CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

March 26, 2025
AGENDA ITEM #9

Discuss and consider approving an agreement with STS360 for access control and video surveillance equipment for toll cabinets and intelligent transportation system cabinets on all Mobility Authority toll facilities

Strategic Plan Relevance:	Stewardship, Safety
Department:	Information Technology
Contact:	Cory Bluhm, Assistant Director of IT
Associated Costs:	Not to Exceed $2,384,705.88 including contingency
Funding Source:	Multiple Sources
Action Requested:	Approve an agreement with STS360 for access control and video surveillance equipment for toll cabinets and intelligent transportation system cabinets on all Mobility Authority toll facilities

Project Background / Description: The Central Texas Regional Mobility Authority signed an agreement with Quarterhill (formerly Electronic Transaction Consultants, LLC) to install toll systems on Mobility Authority roadways in 2022. Currently 290 Toll and 71 Toll have transitioned from Kapsch to Quarterhill with additional implementation in progress for 183A Phase III and 183N.

Historically, roadside cabinets held both Intelligent Transportation System (ITS) and Tolling equipment that was accessible by key to the toll system integrator for maintenance. The Mobility Authority now has two system integrators, as well as a roadway maintenance vendor, that require access to common cabinets working on different roadways. Additionally, the Mobility Authority has a separate ITS contract for ongoing maintenance across all roadways. All providers have KPI/SLA agreements and need the ability to determine when or if someone accessed the cabinet.

In order to secure equipment, allow for specific user-based access to cabinets, and to

future proof cabinets and access for ongoing needs, the Mobility Authority researched options for improving the existing roadside cabinet access and locking systems.

Previous Actions & Brief History of the Program/Project: The Mobility Authority worked with AtkinsRéalis and STS360 to document the full system layout of cabinets, toll equipment buildings and options available for access control and video surveillance equipment.

STS360 has proposed a turnkey security integration system that includes installation, configuration, training, and servicing for all Mobility Authority toll cabinets and select ITS cabinets.

The security integration system includes:

- Electronic locks capable of providing both remote access control and Bluetooth or key card access to each door for ITS and toll cabinets
- Remote key card permissions that ensure access to specific cabinets
- In-cabinet cameras that provide video verification of users accessing all toll cabinets
- Cabinet door status alerts and cabinet door access logs

Current Action: The Mobility Authority requested and received quotes from STS360 for access control and video surveillance equipment for the specific tolling and ITS cabinets. Quotes were received specific to each roadway inclusive of materials, installation, and warranty for the equipment to perform access control and video surveillance.

Funding for each quote will be provided from project specific funds or from the General Operating budget as noted below. The purchase can be completed under Texas DIR Contract DIR-CPO-4770.

Quote Number	Location	Fund	Tolling Cabinets	ITS Cabinets	Price
STS360.STS360STS002984.v1.8	183A Ph III	2020E Project	8	15	$ 379,398.69
STS360.STS360STS002985.v1.5	290E	2018 Sr Project	12	19	$ 437,092.71
STS360.STS360STS003108.v1.5	183A	2013 Sub DSR	14	0	$ 160,473.82
STS360.STS360STS003109.v1.3	183S	2015B Project	3	34	$ 210,051.15
STS360.STS360STS002986.v1.5	183N	2021B Project	14	0	$ 560,797.23
STS360.STS360STS002983.v1.10	TIMC/FOB	2025 Capital	0	0	$ 195,181.21
STS360.STS360STS003111.v1.3	MoPac	2025 MoPac Capital	5	4	$ 156,023.20
STS360.STS360STS003113.v1.2	71	2025 Capital	2	0	$ 41,518.61
STS360.STS360STS003114.v1.2	45SW	2025 Capital	1	0	$ 27,377.81
Quote Total					$ 2,167,914.43
Contingency of 10%					$ 216,791.45
Grand Total					$ 2,384,705.88

Financing: Multiple Sources

Action Requested/Staff Recommendation: Staff recommends approving an agreement with STS360 for access control and video surveillance equipment for toll cabinets and ITS cabinets on Mobility Authority toll facilities.

Backup provided: Draft Resolution

GENERAL MEETING OF THE BOARD OF DIRECTORS
OF THE
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

RESOLUTION NO. 25-0XX

APPROVING AN AGREEMENT WITH STS360 FOR ACCESS CONTROL AND VIDEO SURVEILLANCE EQUIPMENT FOR TOLL CABINETS AND INTELLIGENT TRANSPORTATION SYSTEM CABINETS ON ALL MOBILITY AUTHORITY TOLL FACILITIES

WHEREAS, the Central Texas Regional Mobility Authority (Mobility Authority) information technology and toll systems staff have determined that new access control and video surveillance equipment is required on all Mobility Authority toll facilities to provide multiple vendors access to toll system and intelligent transportation system (ITS) roadside cabinets; and

WHEREAS, the desired access control and video surveillance equipment is offered by Sigma Surveillance Inc. D/B/A STS360 (STS360) along with installation, configuration, training and servicing through Texas Department of Information Resources (DIR) Contract No. DIR-CPO-4770; and

WHEREAS, the Executive Director has obtained pricing and negotiated a scope of work with STS360 for access control and video surveillance equipment, for toll cabinets and ITS cabinets on all Mobility Authority facilities and related services which is attached hereto as Exhibit A; and

WHEREAS, pursuant to Texas Government Code Section 2054.0565 and Mobility Authority Policy Code Section 401.008, the Mobility Authority may use the DIR cooperative contract with STS360 for the access control and video surveillance equipment and related services without the need to seek competitive bids; and

WHEREAS, the Executive Director recommends approving the acquisition of access control and video surveillance equipment for toll cabinets and ITS cabinets on all Mobility Authority facilities and related services in an amount not to exceed $2,384,705.88 from STS360 through their DIR cooperative contract.

NOW THEREFORE BE IT RESOLVED the Executive Director is hereby authorized to enter into an agreement with STS360 for access control and video surveillance equipment for toll cabinets and intelligent transportation system cabinets on all Mobility Authority toll facilities and related services in an amount not to exceed $2,384,705.88 through their cooperative contract with the Texas Department of Information Resources.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 26th day of March 2025.

Submitted and reviewed by:

_____

James M. Bass
Executive Director

Approved:

_____

Robert W. Jenkins, Jr.
Chairman, Board of Directors

Exhibit A

STS360 SECURITY TECHNOLOGY SOLUTIONS

TURNKEY SECURITY INTEGRATION

ADVANCED END-TO-END SECURITY SOLUTIONS

We have prepared a quote for you

Tim Center - Access Control and Video Surveillance Solution for Toll Cabinets

Quote # STS360STS002983
Version 1

Prepared for:

Central TX Regional Mobility Authority

Cory Bluhm
cbluhm@ctrma.org

FIRM PROFILE

GENERAL COMPANY INFORMATION

Company Name: Sigma Surveillance, Inc. DBA STS360

Principal Place of Business: 14229 Proton Rd, Dallas, Texas, 75244

Main Phone: (972) 392-3635 **Fax Number:** (866) 223-8167

STS360 Contact: Chandler Rawlings

Contact Office Phone: (972) 300-1082 **Contact Cell Phone:** (940) - 366 -5831

Contact Email Address: Chandler@sts360.com **Contact Title: Executive Account Manager**

Secondary STS360 Contact: John Hoffman

Contact Office Phone: (469) 212-6022 **Contact Cell Phone:** (469) 212-6022

Contact Email Address: John@sts360.com **Contact Title: Executive Vice President**

Field Technical Support Center Locations: Dallas, Texas - Carrollton, Texas - Houston, Texas - Austin, Texas - Alice, Texas - Corpus Christi, Texas - Wichita Falls, TX - Fort-Worth, Texas - El Paso, Texas

STS360's PRINCIPALS:

Bobby Khullar, President / CEO **Email:** bobby@sts360.com

John Hoffman, Executive Vice President **Email:** john@sts360.com

Years in Information Technology: 20 **Years in Security Business:** 20

Type of Ownership: Privately held **State of Incorporation:** Texas

Type of Incorporation: S Corporation **Year Founded:** 2005

Number of Employees: 30+ STS360 Employees 100+ subcontractor employees

Vendor ID Number: 20-2542335 **HUB Vendor?** Yes Cert: 1202542335600

Bonding Capacity: $25 million per project / Aggregate $25 million

AUTHORIZED NEGOTIATOR: John Paul Hoffman, Executive Vice President

FIRM PROFILE

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

VENDOR QUALIFICATIONS

STS360 has been designing, installing, and supporting network-based security systems for over fifteen (20) years, and intends to demonstrate to The Central TX Regional Mobility Authority Purchasing representatives that during this time we have garnered significant experience and qualifications that make us an outstanding candidate for consideration of award. STS360 has been installing and supporting large Video Surveillance, Access Control, Intrusion and Audio visual installations for State Agencies, Counties, Cities, Towns, and Schools for years.

STS360 was founded as an IT Systems consultant and integrator in 2000. We found ourselves naturally moving core services to security solutions due our customers' increasing demands for network-based security. Since we were already proficient in networks and IT Systems, the transition was natural and STS360 became a leader in providing IP solutions well before they became commonplace solutions. We tailored innovative security solutions to solve our clients' security needs and provide high ROIs through loss prevention, improved operational oversight, liability mitigation, reduced investigation times and safer, more secure environments.

STS360 is highly qualified and experienced in the services we perform and product lines we offer. STS360 is very careful to approach technology with a few key prejudices. (1) it must be expandable, meaning that the end user should not be limited in their ability to expand their security system in the future should they desire to, whether because of technology limitations or cost limitations; (2) the products must be proven to be of the highest of quality available in the market for that type of product. Our customers deserve a strong solid solution with a long-term lifecycle and support, and we will not promote a product we do not believe will be the best return on investment for our customers At STS360 our experience proves invaluable to the longevity of our partnerships with our clients and supported systems.

STS360 invests in our success by investing in our employees' growth. We certify all STS360 technicians on the various products that we sell and support. STS360's operational procedures also mandate a minimum of 8 hours of training per month for all of our senior and field technicians as a part of their job duties, because there's always room to learn and improve. These monthly trainings can range from manufacturer factory certification training and network certification, to online tests on industry codes & hands-on trainings in our technology lab at STS360 headquarters. STS360 also invests in our subcontractor's education and frequently brings them into our training program to insure they are meeting our high standards.

Considering the sensitive and, unfortunately, critical nature of the service we provide, STS360 has been successful in fostering long-term customer relationships because of our stellar performance and support. We have installed and continue to support tens of thousands of devices for our customers because they trust us to provide the same unparalleled support year after year.

STS360 excels in being flexible, exercising creativity, and providing unwavering attention to detail to customize unique Security Technology Solutions to achieve our clients' diverse needs. We can do this because we have the talent of a large company with the maneuverability and competitiveness of a small one. With a team of technically savvy systems engineers, field service technicians, support staff, account managers and project managers instead of solely technical, contractual and sales expertise, STS360 can honestly say that we truly rise to any challenge a client puts forth to us.

ADDITIONAL QUALIFICATIONS:

HUB CERTIFIED BUSINESS: 1202542335600
NCTRCA, MBE, SBE

As a Certified HUB, we are proactive in HUB outreach and attend/exhibit as such in conferences statewide. We participate in the DIR Conference's HUB Networking Event and build relationships with Minority owned businesses across the State of Texas that are pursuing the

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

status while promoting its benefit to those subcontractors utilized that are not yet certified. We approach every project with a goal of assisting our community.

HIGH BONDING CAPACITY

Lastly, we believe that our strength in our bonding capacity speaks volumes to our qualifications and financial stability. When you work with STS360 you can guarantee that you are working with a solid company who will always be there for you. STS360 has been bonding projects for over 15 years. We have a bonding aggregate capacity of $25million, up to $25million for a single project, and have had active bonds upwards of $25million at any given time. We have successfully completed all the bonded projects and continue to have our bonding capacity increased year after year when Philadelphia Insurance does their yearly audits.

i-PRO PREFERRED PARTNER

STS360 received and maintains the Premier "i-PRO Preferred Partner" designation for outstanding understanding of the product, solutions, and expertise in integration. This prestigious status provides STS360 the ability to offer forensic software and analytics unavailable outside of 15 dealers nationally. Additionally, it provides STS360 with extra resources to improve competitive advantages when proposing i-PRO Solution as well as Operating Inventory Priority.

SAFETY AND COMPLIANCE – SINCE 2005

- OSHA COMPLIANCE – **100%**
- OSHA INVESTIGATIONS - **0**
- Employee Injuries – **0** Since Business Inception
- Subcontractor Injuries – **0** Since Business Inception
- Average MOD Factor – **0.93**

MANAGEMENT STRUCTURE

Bobby Khullar - CEO, President, Owner

Bobby had a successful career in Federal contracts and IT. Seeing the increased need for IP Security Products, Bobby built STS360 from the ground up in 2005. With keen knowledge of IT and government contracts, and the firm dedication of his carefully assembled team, he rapidly grew STS360 by leading with IP technologies in a time when analog technology still dominated the market. For 18 years, STS360 continues to be a leader in the security public sector market with Bobby at its helm.
bobby@sts360.com

John Paul Hoffman – Executive Vice President

John Paul Hoffman, a security industry veteran of 20 years, worked through the ranks to Executive Vice President where he assists in managing STS360 while actively running his sales team. He maintains the Texas Security Integrator market by cultivating relationships among Texas State Agencies, Counties, Cities, Towns, School Districts, and manufacturers. John is well known for his availability and willingness to consult on the industry. Heavily certified in security technology, versed in installation requirements, and customer devoted, his clientele confidently rely on his guidance.
john@sts360.com Cell: (972) 300-1082

Jose Garza – CTO

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Jose Garza has been in the IT sector for over 25 years, working in both Private and Public Sectors. As CTO, he is responsible for maintaining the level of quality of IT Services provided by STS360 as well as ensure STS360 is operating at the latest industry standards. As COO, Jose overseas the Company's Service and Project Teams. Jose Garza is 3-time Cisco Certified Network Professional (CCNP) in routing and switching. Jose Garza is also holds Microsoft, CompTIA, and HP Certifications. He has also worked to provide Cybersecurity Solutions assessments to the Public and Private Sectors.

Jose Avina - Field Operations Manager

Over a decade of experience has Jose Avina managing the physical implementations of STS360 Projects. A Certified Level 3 Alarm and Fire Auditor, Jose joined STS360 to run the company's onsite operations initially with the Safe City Program. Jose has risen to manage several team schedules and he quality controls installations of his team leads and technicians. Setting the bar of standards for field execution of cabling, mounting, and proper field etiquette, his patience, integrity, and respect have earned him a reputation for excellence by end users and employees alike.
avina@sts360.com

Kartavya Mahadevia – Senior Technical Project Manager and Engineer

With over 20 years of experience in Information technology and project management, he has been with STS360 since 2005. Kart is a Microsoft Certified System Engineer and has certifications from various leading security manufacturers. Kart's expertise is in various Video Management, Access Control, Intrusion, Wireless, Server, Storage and Networking System technologies. He is an integral part of System Design to System Deployment and System Support and he manages several teams. Kart has earned many accolades from our customers and will serve as the front man for technical troubleshooting, system configuration, and training.
kart@sts360.com

CERTIFICATIONS

Video Management Systems

Verkada	Video Insight
OnSSI	Exacqvision
Milestone	Salient
Axis	Wisenet WAVE

Access Control Systems

MonitorCast	Continental Access
Open Options	SALTO Systems
Isonas	RS2

Camera Certifications

Panasonic/Arbitrator	Illustra
Axis	Advidia
Hanwha	FLIR

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Sony	Hikvision
Bosch	Mobotix
Honeywell	Interlogix
Arecont	GeoVision

PROJECT MANAGEMENT

STS360 knows the only way a project will be successful is if all key components come together and are well organized and managed both before and throughout the entirety of the implementation. The key components of a project are Scope, Schedule (time), Budget (cost) and of course, Quality. At STS360 our project managers focus on these key elements and are supported by a solid team of professionals working to exceed expectations.

A project always starts with **Scope**; do the customer and STS360 clearly understand and agree upon the scope of work and products to be installed? This does not simply refer to what is proposed and awarded, this is more granular and begins as soon as the contract is awarded. The STS360 design team will work with the Central TX Regional Mobility Authority stakeholders to tour facilities, refine any unique design needs for each location and environment, and present a final design and scope for each location to the Central TX Regional Mobility Authority Stakeholders. Once the design is agreed upon, the project manager will work with the Executive Stakeholders and the STS360 Project Coordinator to schedule a project kickoff meeting for all involved parties including all CTRMA support team stakeholders, CTRMA IT Department, STS360 project team members, STS360 Executive Oversight, and any subcontractor representatives. Prior to this meeting the STS360 project manager will review pre-project documentation with the Executive Stakeholders, including but not limited to system rights and configuration settings, final drawings & diagrams, phase payment schedules and milestones, and communication plan with assigned roles and responsibilities. Any revisions will be completed prior to the kickoff meeting. We propose the project kickoff meeting be held on site and the installation schedule, security procedures / risk mitigation, and communication plan be addressed. After the formal kickoff meeting, we propose to have each site walked before any equipment is placed or installed to seek approval for any penetrations, equipment placements or special considerations. Also, this allows the local representative whether that be the IT Manager or CTRMA Engineer or whomever the agency assigns, to become familiarized with the scope, schedule and team that will be working with on their territory.

The next key component of course is managing **Budget (Cost)**. STS360 does not believe in going in low and change ordering our customers' after award to gain our profit. What we propose is what you pay. The only time you will see STS360 asking you for a revision to a purchase order is if the customer asks us to add additional components to the scope. If something was missed in our proposal STS360 takes liability for any impact to our profitability that causes. If our costs increase on equipment or labor STS360 takes liability for the impact to our profitability. Return on investment is an important factor that we must consider when designing a project, especially when budgets are tight and recurring fees just add to the overall cost but provide little value over the life of the final product itself. With that in mind, STS360 the products we have chosen are from market leaders in their respective technologies was specifically designed for use in enterprise scenarios with an eye to quality and long-term ROI.

Thirdly we have **Schedule (Time)**. On projects time, can have a way of running away from you if not managed properly, and we know our clients' time and their need to have a functional system as quickly as possible is paramount. As part of our project plan, we have proposed these projects be completed in multiple phases to ensure an expeditious completion to all aspects of the scope of work. We will consider each install a "phase" and while some of these phases may run concurrently as they are able to be managed separately to make best use of resources. We are dedicated to a smoothly run project. To delay each significant milestone, punch lists, 3rd party testing & documentation acceptance until the end of the project when ALL locations are completed, will create a bottleneck at the end of the project and prolong a successful completion. Therefore, we will attend to each installation location as a separate "phase." STS360 will also train local and administrative staff after each facility is installed instead of just waiting until the end. We will also conduct a final training with any parties that need to attend or want to be refreshed, in a central location for a min 4 hours if required.

Lastly but not least you cannot talk about a project plan without discussing **Quality**. Quality control checks and balances must be a

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

continuous part of a project, not left to the end of a project. Leaving quality control to the end of a project leads to extensive punch lists, delayed documentation completion, throwing off the schedule & most importantly will make the agency question our qualifications. Before any product even reaches the site for installation it will be bench tested in our lab in Dallas to ensure it is functional. It will then be burned in for a period of no less than 24hrs, in a simulation exactly to scope for this project, to ensure the functionality is working correctly. Then all hardware will be pre-configured with IP addresses provided by the agency and labeled by location, IP address and the system documentation started before it ever leaves our facility. Each site will be assigned a job supervisor and enough crew members to complete the job on time or earlier. Senior Technicians and /or Project Manager will be visiting each facility at a minimum of 2 days per week if not more to manage the supervisors progress, do spot quality checks, ensure that the workspaces are being kept clean and safe, and to retrieve documentation. If the senior technician or the project manager find any discrepancies, they are immediate addressed and fixed by the appropriate party. Our Project Coordinator continually does audits on the work product coming from the field, e.g. Is the project team on schedule? What staff is onsite and what did they do that day? Did they show up on time and leave on time? Are there additional materials or equipment needed to be sent out and when does it need to be delivered? Are the system documentation and drawings being updated and added to our secured CRM, so we always have the most up to date information? Is the system documentation correct and formatted clearly? At the end of the project phase and upon our own internal review of quality, STS360 will notify the agency that we are ready for a final system test and punch list walk through assessment with the assigned stakeholder. Any discrepancies found are noted and corrections made immediately. The likelihood of a significant punch list, however, is slim due to our dedication to quality throughout the installation.

To conclude this section, it is important that we note that not only will we comply with the documentation that is requested by the agency, STS360 also provides an extensive amount of data that is searchable and updated throughout the warranty period as equipment is replaced. This includes but is not limited to any serial numbered device showing the following information:

- Part Number
- Description
- Serial Number
- Mac Address
- Ip Address
- Campus / Facility
- Camera Name
- Camera Installation Location
- Camera Mount Type
- Indoor / Outdoor Designation
- Associated IDF / MDF
- Associated Rack
- Associated Patch Panel Ports
- Associated Network Switch Name
- Associated Network Switch Ports
- Associated Power Source (If Applicable)
- Camera Settings
- Live and Recording Settings
- Live Server Path
- Archive Path
- Mfg. Warranty
- And Other Related Settings

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(972) 392-3635

STATEMENT OF WORK - Toll Cabinets

STS360 is pleased to offer the below statement of work for Central TX Regional Mobility Authority

STS360 will be responsible for providing a Turnkey Quote and Build out for the requested Access control and video Surveillance solution for the toll cabinets. This Proposal is for all back end equipment for the solution including programming install and training for the Tim Center.

STS360 has proposed a solution including installation, operation and services for the complete system as requested.
STS360 will be responsible for installing, configuring and servicing the following, including but not limited to:

Installing a back end (servers/Software/Programming) for the access control and video surveillance system to each 141 toll cabinets.

Total Roadways and Final Counts:

		1-Door Cabinet		2-Door Cabinet		4 - Door Cabinet		Total	
Roadway	Deployment	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total No. of Cabinets	Total No. of Doors
183A	Tolling	5	5	3	6	2	8	10	19
183A Ph III	Tolling	0	0	0	0	10	40	10	40
183A Ph III	ITS	4	4	11	22	0	0	15	26
183 Toll	Tolling	0	0	13	26	1	4	14	30
290 Toll	Tolling	3	3	1	2	8	32	12	37
290 Toll	ITS	0	0	19	38	0	0	19	38
Mopac	Tolling	0	0	1	2	4	16	5	18
Mopac	ITS	0	0	4	8	0	0	4	8
SH 71	Tolling	0	0	1	2	1	4	2	6
45SW	Tolling	0	0	0	0	1	4	1	4
183N	Tolling	0	0	0	0	3	12	3	12
183N	ITS	0	0	46	92	0	0	46	92
Total:								**141**	**330**

1. Project Planning and Site Assessment

- **Site Survey**: Inspect the installation site to assess physical space, power requirements,and any structural considerations.
- **Space Evaluation**: Measure the space and confirm adequate clearance and accessibility for installation.
- **Project Planning**: Outline the full project timeline, including milestones for delivery, installation, and testing.

2. Design and Engineering

STATEMENT OF WORK - Toll Cabinets

- **Power / Data Layout**: Design the data distribution to ensure uniform power delivery and stable data connections to each Server.

3. Servers (AI Servers, VI Servers, and Access Control Server)

- **System Configuration**: Set up the video and access control systems and settings. (Will Train CTRMA)
- **Content Management System (VMS)**: Install or configure the VMS for managing and scheduling displayed content.
- **Video Calibration**: Adjust brightness, contrast, and color uniformity across panels to ensure consistent image quality.

4. Software Configuration

- **Input Source Configuration**: Configure video inputs and outputs from the media player, streaming sources, or other AV equipment.
- **Control System Programming**: Set up software for user-friendly control, such as switching inputs, scheduling, and adjusting settings. Will also work with CTRMA to set up AI analytics and system rules for the access control and video management software.

5. Training and Handover

- **Training**: Train users on system controls, content management, and basic troubleshooting.
- **Documentation**: Provide comprehensive documentation covering system setup, maintenance, and troubleshooting.
- **Maintenance Schedule**: Outline a recommended schedule for cleaning, maintenance, and inspection.

6. Post-Installation Support

- **Warranty and Support**: Provide warranty details and contact information for ongoing support.
- **Remote Monitoring (if applicable)**: Set up remote monitoring for diagnosing and addressing issues.
- **Onsite Troubleshooting**: Offer support options for addressing hardware or software issues post-installation.

Bill of materials:

- Servers 1 for access control, two active guard server for split number of cameras – 3 VI servers 3 way split
- Cable: CAT6 and Access Control Cable
- 10 XT Slim Line Key Bundle G3S Key - Charger - USB Cable (Blue tooth Keys) with software and programming.

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
NVR-R-2-84TB-V5	i-PRO	i-PRO SR3E, 2x XEON SILVER 12C/24T CPU, 64GB RAM, WINDOWS SERVER 2022 STD ON 2x 480GB M.2 SSD (RAID 1) - STORAGE: 7x 12TB ENTERPRISE HDD (84TB TOTAL, 72TB USABLE AFTER RAID 5), 2x PSU, 2x 1GB RJ-45, 2x 10GB SPF+. UNIT INCLUDES KEYBOARD, MOUSE, RAILS. NO O	2	$37,500.00	28.01%	$26,996.81	$53,993.62

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
NVR-R-1-12TB-V5	i-PRO	i-PRO SR1, 1x 4C/4T CPU, 32GB RAM, WINDOWS 11 PRO INSTALLED ON 1x 480GB M.2 SSD - STORAGE: 1x 12TB ENTERPRISE HDD (NO RAID), 2 x 1GB RJ-45, UNIT INCLUDES KEYBOARD, MOUSE. NO RAILS, NO OPTICAL DRIVE. VI ENTERPRISE SERVER ACTIVATION PRE-CONFIGURED IN HOUSE,	1	$7,817.61	27.97%	$5,631.05	$5,631.05
AGS-R-2-H-60TB	i-PRO	i-PRO MEDIUM RESOURCE AG SERVER 2x XEON SILVER 12C/24T CPU, 64GB RAM, WINDOWS SERVER 2022 INSTALLED ON 2 x 256GB M.2 SSD (RAID1) - STORAGE: 3 x 8TB ENTERPRISE HDD (24TB TOTAL, 16TB USABLE AFTER RAID5), 2 x PSU, 2 x 1GBPS LOM, 2 x 10GBPS SFP+ NIC, SQL STAN	2	$28,977.27	26.11%	$21,412.68	$42,825.36
SW-500301-2	Medeco	XT Web Manager	1	$1,192.00	16.25%	$998.30	$998.30
94-0307	Medeco	XT Slim Line Key Bundle G3S Key - Charger - USB Cable	10	$247.00	16.25%	$206.86	$2,068.60
EA-100109 NEXGEN XT	Medeco	USB Programming StationUses EA-200058 Cable	1	$390.00	16.32%	$326.36	$326.36
EA-200058 NEXGEN XT	Medeco	USB 2.0 Cable [A To B Micro]	1	$38.10	16.35%	$31.87	$31.87
MID-SUB-T103	HID	HID® Mobile Identity User License - 3 Year - Min 20 Required	100	$20.00	46.20%	$10.76	$1,076.00
MISC	STS360	Misc. Accessories and Consumables	1	$8,000.00	50.00%	$4,000.00	$4,000.00
TPM	STS360	Technical Management and System Programming	1	$127,500.00	50.00%	$63,750.00	$63,750.00
LABOR	STS360	Project Implementation and Installation	1	$13,097.70	50.00%	$6,548.85	$6,548.85
WAR0001	STS360	1 Year Onsite Parts and Labor Warranty	1	$27,862.40	50.00%	$13,931.20	$13,931.20

Subtotal: **$195,181.21**

Tim Center - Access Control and Video Surveillance Solution for Toll Cabinets

Prepared by:

STS360

Chandler Rawlings
940-366-5831
Fax (866) 223-8167
Chandler@sts360.com

Prepared for:

Central TX Regional Mobility Authority

3300 N IH-35 Suite 300
Austin, TX 78705
Cory Bluhm
(979) 220-2551
cbluhm@ctrma.org

Quote Information:

Quote #: STS360STS002983

Version: 1
Delivery Date: 02/04/2025
Expiration Date: 02/23/2025

Quote Summary

Description	Amount
DIR-CPO-4770	$195,181.21
Total:	**$195,181.21**

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors. Net 30-Day Payment standard.

STS360

Signature: _____

Name: Chandler Rawlings

Title: Sales Representative

Date: 02/04/2025

Central TX Regional Mobility Authority

Signature: _____

Name: Cory Bluhm

Date: _____

STS360 PROPOSED PAYMENT SCHEDULE

CTRMA - Toll Cabinets	BILLING PHASE			
MILESTONE	**Invoice 1**	**Invoice 2**	**Final Invoice**	**TOTAL**
1. Hardware	$ 106,951.16			$ 106,951.16
2. Per Roadway Completion		$ 79,407.05		$ 79,407.05
3. Final Sign Off and Completion (10%)			$ 8,823.00	$ 8,823.00
Totals Per Billing Phase	$ 106,951.16	$ 79,407.05	$ 8,823.00	**$ 195,181.21**

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

SERVICE LEVEL AGREEMENT

STS360 has provided a 1-year full hardware and labor onsite warranty for all STS360 supplied and installed components. STS360 warranties and guarantees all products, material, labor and work done for the Customer on this project. All new hardware and installation will be covered under the 1-year onsite warranty. All warranty replacement, installation, integration, maintenance, and required testing will be provided at no cost to The Customer within this 1-year period. STS360 is offering a 24/7 toll free service support line, 4-hour engineer on phone response and 48 hour onsite response.

I. SUMMARY

MISSION STATEMENT

STS360, or CONTRACTOR, will provide the Customer, hereby and here on referenced to as the OWNER, the establishment of procedures in which to successfully fulfill Surveillance and Security Systems maintenance services via improvement of existing support processes, scheduling of implementations, and expedient fulfillment.

SERVICES OVERVIEW

STS360 will provide a comprehensive 1-Year Onsite hardware and labor warranty in conjunction with this project. STS360 warranties and guarantees all products, material, labor, and work done for the Customer under this project. All warranty replacement, installation, integration, maintenance, and required testing will be provided within this 1-Year period unless outside of the terms specified below. STS360 is offering a 24/7 technical support toll free number for service. STS360 guarantees a 2-hour engineer on phone response for phone troubleshooting and a 48-hour onsite response for all warranty service or per the terms of the contract. STS360 has included dedicated service technicians for this project as part of this proposal. This will greatly reduce the response and service times. STS360 will stock spares (see scope for list).

DESCRIPTION OF SERVICES

Beginning upon final acceptance of project, STS360 will provide to OWNER the following services (collectively, the "Services"):

1. STS360 will provide 1-Year onsite labor warranty on all provided hardware and labor and integration services are warranted through STS360 from the date of final acceptance. It will not include the cost of parts and labor for OWNER not adhering to the standard terms or outside of specified terms and conditions of this contract. Parts installed by STS360 will be serviced according to their existing manufacturer's warranty; components not provided or installed by STS360 and outside the terms of Manufacturer warranty and subject to Purchase Order. Service calls will be billed when these incidents are approved by both parties. (this only refers to the need for new components not originally procured or installed by STS as apart of the original scope/project to fix an issue)
The proposed and accepted response terms of this warranty contract are:

LEVEL 1 SUPPORT:

- A Toll-free number to reach a live Technical Service Representative 24x7x365.
- A Return call from on-call Systems Engineer / Technician within 4 Hours for remote or phone support.

LEVEL 2 SUPPORT:

- Additional Troubleshooting is needed; technician is dispatched onsite within 48 hours to resolve the problem.
- Optimization, Maintenance and Quality Checks performed when techs are onsite

LEVEL 3 SUPPORT:

- Problem is understood and diagnosed, equipment / materials needed to repair / resolve the issue on hand, technician is dispatched onsite within 48 hours from level 2 dispatch
- All Level 3 services to be 100% closed and resolved within a maximum of 72 hours (does not apply to Force Majeure incidents or when manufacturer lead times are delayed).
- Optimization, Maintenance and Quality Checks performed when techs are onsite

2. All hardware, software, material and other warranties past this 1-Year contract term, and not renewed in an additional warranty contract year through STS360, will be the sole responsibility of the OWNER to contact the manufacturer directly to obtain replacement, repair or technical support.

ACCESS TO DATA AND COMPUTERS

On request, OWNER agrees to provide Contractor with evidence of a programming error, if the Contractor is unable to replicate the issues reported in a work order. Recipient further agrees to provide Contractor with access to OWNER computers, servers, networks, view stations, cameras and sufficient computer time to enable Contractor to duplicate the problem, determine that it results from a warrantable cause and, after corrective action or replacement has taken place, and determine that the problem has been alleviated. STS360 also requires that OWNER allow access to stored data, upon notification, and the ability to remove data that is causing conflicts and/or inhibiting the ability to repair system to its full functionality.

MODIFICATIONS EXCLUDED

Contractor shall not be obligated to provide support services pursuant to this Contract with respect to any modifications of the Software, configurations of the systems, new applications, additional hardware outside of scope, operating systems, and other adjustments made for any reason during the service contract by OWNER or to any computer program incorporating all or any part of this system.

COSTS AND EXPENSES

If terms in this contract for warranty / maintenance and services are determined to not be met by owner, when technician is on site, all work on the service will be put on hold until a purchase order is issued for the work needed to be performed to correct the issue. Parts and service labor will be covered by STS360 for any failure that is proven to be a failure in material or workmanship under normal use during the applicable warranty period. This coverage is limited to parts and labor. The warranty for replacement parts is limited to direct replacement. STS will not bill for a service call within the term of this SLA.

TERM PERIOD

This Contract will remain in effect for a period of (12) Months or (1)-Years from the date of final acceptance. This SLA can be extended year to year or multiple years after the 1 year term is up.
SLA renewal quotes will be generated before the expiration of of current term.

CONFIDENTIALITY

STS, and its employees, agents, or representatives will not at any time or in any manner, either directly or indirectly, use for the personal benefit of STS, or divulge, disclose, or communicate in any manner, any information that is proprietary to Owner. STS360 and its employees, agents, and representatives will protect such information and treat it as strictly confidential. This provision will continue to be effective after the termination of this Contract.

GENERAL WARRANTY

STS360 shall provide its services and meet its obligations under this Contract in a timely and workmanlike manner, using knowledge and recommendations for performing the services which meet generally acceptable standards in STS's community and region, and will provide a standard of care equal to, or superior to, care provided by Contractors similar to STS360 on similar projects. Contractor shall not be liable for any delay in performance directly or indirectly resulting from acts of Owner, its agents, employees, or subcontractors.

HARDWARE SUPPORT STS360 warrants to the original purchaser (PURCHASER) that each product of its manufacture (PRODUCT) is covered by this warranty from the date of delivery if properly installed, serviced, and operated under normal conditions. Any part or parts there of replaced during the base warranty period assumes the remainder of that warranty period or the parts warranty period, whichever is greater. The warranty coverage for the PRODUCT is continual from the original date of purchase and does not restart upon the replacement of any part or complete unit. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA. Parts and service labor will be covered by STS360 for any failure that is under normal use during the applicable warranty period. This coverage is limited to parts and labor. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA.
The warranty for replacement parts is limited to direct replacement.

STS360 reserves the right to repair or replace any part, component, or assembly at its option. STS360 may request defective parts be returned for examination before the issuance of credit. Any item that is replaced under warranty becomes property of STS360. ***PROCESS FLOW*** OWNER experiences issue with Security Equipment. (While all this information is not mandatory, STS will need details in regard to the issue in order to rectify the issue. STS will have all system documentation, STS will just need general information of the issue)

1. OWNER submits a request to STS360 24/7 TSG (technical support group) describing the following:
   - **a.** OWNER / Department / Site Name
   - **b.** Point of Contact (OWNER PoC) Information and Title
   - **c.** Pertinent Information relating to service request
   - **d.** If available, Device IP Number / Camera Number / Reader Number
   - **e.** Device Location
   - **f.** Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules site visit with provided PoC.
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist and schedules visit.
4. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
5. STS360 Security Specialist evaluates location, troubleshoots issue.
   - **a. Troubleshooting fixes Issue** – STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   - **b. Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component.
     - **i. IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
     - **ii. IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
     - **iii. IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
       a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (see Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (see Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist to return and resolve issue.
9. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.
11. STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket status, notes, and uploads final acceptance sign-off document.

12. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.

SOFTWARE SUPPORT

STS will need general information of the issue.

PROCESS FLOW

OWNER experiences issue with Security Software.

1. OWNER submits a request to STS360 TSG (technical support group) describing the following:
   g. OWNER / Department / Site Name
   h. Point of Contact (OWNER PoC) Information and Title
   i. Pertinent Information relating to service request
   j. If available, Device IP Number / Camera Number
   k. Device Location
   l. Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules Security Specialist/Engineer Remote-In/Onsite Session with provided PoC (SEE Statement of Work/Access to Data and Computer).
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist/Engineer and schedules Remote-In/Onsite Session internally.
4. STS360 Security Specialist/Engineer calls OWNER PoC to inform of Remote-In/Onsite Session.
5. STS360 Security Specialist/Engineer evaluates system status, troubleshoots issue.
   a. **Troubleshooting fixes Issue** – STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   b. **Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component (SEE Asset Management/LifeCycle Maintenance).
      i. **IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
      ii. **IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
      iii. **IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
         a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (SEE Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (SEE Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist/Engineer to return and resolve issue.
9. STS360 Security Specialist/Engineer calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist/Engineer replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.

11. STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket status, notes, and uploads final acceptance sign-off document.
12. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.

III. PARTY COMMUNICATIONS

PLACING A WORK ORDER REQUEST

Call Toll Free: (866) 506-7446

Email: technicalsupport@sts360.com

Our Technical Support Group (TSG) is there for you 24x7x365 and is just a phone call away. A live person will answer immediately, do some basic troubleshooting, and generate a work order while the OWNER is on the phone with TSG representative. If they are unable to assist you to a successful fix of the issue, they will immediately reassign the work order to, and contact the appropriate Level 2 support personnel who will be in contact within 2 hours or less to help resolve the issue, direct you to submit an RMA, and/ or dispatch an on-site technician. STS360 requests the party submitting the work order have some of the following information ready when calling the TSG, because the more information provided, the better we can assist in resolving the issue more expeditiously.

STS360 will request the following information in order to expedite service.

- OWNER / Site Name
- Your Contact Information and Title
- Sales Invoice / Work Order / Or Purchase Order Number (if available)
- Pertinent Information relating to your service request
- Device IP Number / Camera Number
- Device Location
- Description of issue / concern

OWNER POINT OF CONTACT

1. OWNER agrees to provide STS360 a Project Manager as the Primary Point of Contact
2. OWNER's Primary POC will be responsible for resolving financial or business issues outstanding and assist in facilitating final acceptances.
3. OWNER agrees to provide all STS360 necessary system documentation for access to existing systems
4. OWNER agrees to provide logins or access to any Ticketing or ERP system used by the OWNER at no charge to STS360.
5. OWNER agrees to provide assistance in coordination of departmental resources necessary for successful fulfillment.

IV. ASSUMPTIONS AND EXCEPTIONS

Services or Work Product will be deemed acceptable to OWNER if it conforms in all material respects with Services described in this project or Bill of Materials. STS360 will have full responsibility for the deliverables and the tasks listed in each project or Bill of Materials.

OWNER will complete a review of each submitted deliverable within five workdays from the date of delivery. OWNER feedback which indicates revisions to a deliverable are required will be addressed and re-submitted by STS360 within five workdays unless approval (in writing) for a different length of time is obtained from the OWNER or designate.

OWNER will either accept or reject STS360's Services or Work Product within a reasonable number of days from performance. For this Project, Services or Work Product will be accepted or rejected within 5 days from delivery completion date. Failure to provide acceptance or rejection within 5 days will be considered acceptance of the deliverable. If OWNER gives notice of rejection, then STS360 will have an additional five days, within which to cure any deficiencies identified in writing by OWNER.

STS360 reserves the right to accept or reject OWNER requested tasks that may result in STS360's incurring of legal liability beyond the scope of STS360's offered Services. STS360 is required to respond with reason for objection and propose an alternative solution when available.

V. CHANGE REQUESTS

CHANGE REQUEST PROCESS

STS360 works very efficiently to provide quality estimates from the start of an evaluation. However, if an agreed upon Scope of Work has a mutually agreed change or addition to agreed SOW, STS360 will propose a resolution in the form of a Change Order that, if verified, accepted and signed by OWNER, will be prioritized in schedule and performed by STS360.

Next Page – See a Change Order Form Sample

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

CHANGE ORDER FORM SAMPLE

OWNER NAME:
OWNER ADDRESS:
PROJECT #:
PROJECT NAME:
PROJECT LOCATION:

STS360 PROJECT MANAGER:
OWNER APPROVER:

DATE CHANGE ORDER SUBMITTED:
CHANGE ORDER REFERENCE NUMBER:

STS360 submits this change order for the above referenced project. This change order is deemed (billable / non billable / price decrease) to the OWNER of this project. This change order is subject to the terms and conditions of the original contract. This change will not in any way impact the original scope outside of the indicated changes below. This change order will not impact warranty, and will be included in final project warranty if accepted. The purpose of this change order request is to agree that changes to the scope are requested and to seek approval by the OWNER of this project. A Purchase Order or signed agreement at the bottom of this page will be required to fulfill this change order for the above referenced project. See attached revised Scope of Work and Pricing Revision (if billable / price decrease.)

Change Item	Change Description	Product Description	Part Number	Qty
1				
2				
3				

Above is Sample, please revise as per the scope of each change order (add or delete change items as needed as well. Any scope, warranty and/or price changes must be included in detail in appendixes to be attached and identified above. Please customize each section as needed. Please delete these notes before submitting)

OWNER: _____ CONTRACTOR: STS360 _____

Approved by: _____ Approval Received by: _____

Date of Approval: _____ Date Received: _____

Name: _____ Name: _____

Title: _____ Title: _____

Department: _____ Department: _____

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

TERMS AND CONDITIONS

STS360 complies with the related Terms and Conditions put forth on the Texas Department of Information Resources website. For services rendered by STS360, compliance under this Statement of Work is met by current DIR or Buyboard Contract being utilized or its successive renewal by STS360 with the State of Texas Department of Information Resources.

STANDARD MAINTENANCE AND SERVICE TERMS AND CONDITIONS

1. This is a warranty and not an insurance policy. This warranty does not take the place of the client's general liability insurance.
2. All warranties exclude remedy for damage or defect caused by abuse, tampering, vandalism, improper or insufficient maintenance, improper operation.
3. The client is responsible for any damage to any improvement, fixture or property not constructed, installed or included in maintenance contract scope by STS360 that may cause the need for repair to the STS360 installed equipment, materials, hardware, etc. (e.g. – damaged ceiling is leaking onto network equipment, STS360 should not be liable to fix the ceiling leak as well as the STS360 equipment).
4. The client will be required prior to repair of unwarranted issue to hold STS360 free of any liability from the cause of the original problem
5. Warranty does not include drainage deficiencies at the job location / location of equipment / material (e.g. – drainage is damaged on facility and run-off of rain water overwhelms drainage and therefore begins draining directly on our equipment where there'd been no point of drainage prior during project installation).
6. Warranty does not include any landscaping issues that cause loss of effectiveness of security after project acceptance (e.g. – Client decides to forego cutting back trees or plants new trees or bushes that grow in front of camera placements, diminishing intended Field of View)
7. Warranty does not include any defects or deficiency caused by materials, design, construction, or work supplied by other than the STS360 outside of the contract scope
8. Warranty does not include changes, alterations or additions made to the installation by anyone other than those performed under obligations of this warranty;
9. Warranty does not include deficiency or defects caused or made worse by the Client's, employees, patrons, or any other party than STS360 during the service contract.
10. Warranty does not cover any deficiencies or defects in workmanship, materials or structural portions normally covered by another warranty or insurance policy whether or not paid by such warranty or insurance policy (e.g. – Client employee repairs something in the electrical room, and because of poor workmanship causes pipes to burst damaging significant portions of our system and the facility / structure and owners insurance doesn't cover it, STS360 should not be liable for the cost to cover damaged equipment caused by workmanship or structural problems on the facilities)
11. Warranty does not cover deficiency or defects resulting from accidents, riot, civil commotion, terror attacks, war, or Acts of God; including but not limited to fire, explosion, smoke, water escape, windstorm, mudslide, erosion, hail, lightning, hurricanes, tsunamis, falling trees, aircraft, vehicles, flood, earthquakes, sink holes, underground springs, volcanic eruptions, saturated soils or change in the level of the under-ground water table.
12. Warranty does not cover any contamination caused or created by natural or man-made chemicals, compounds, or substances used by the client or breakdown or adverse effects of chemicals, compounds, or substances used.

13. Warranty does not cover pest damage including but not limited to termites, rodents, cockroaches and ants
14. Warranty does not cover any damage caused by water intrusion, including but not limited to roof leaks, window sealants, plumbing
15. Warranty does not cover heat damage, damage caused from dust build up, dampness or condensation due to clients' failure to maintain adequate ventilation.
16. Warranty does not cover any loss, damages or other condition which is not a deficiency or defect of the systems functionality.
17. Warranty does not cover consequential damage: Any property damage or bodily injury which follows as a result of structural damage, or other defects covered under this warranty including defects in workmanship that was not originally installed by STS360 (e.g. – something occurs in relation to structural or poor workmanship from the client or other contractor, causing our equipment to malfunction and cause bodily or property damage, such as a camera coming loose and falling on a person or property.)
18. Warranty does not cover any loss or physically inflicted damage which is not a construction deficiency or defect, including but not limited to chips, scratches, and dents in materials, fixtures, appliances, or other types of equipment
19. Warranty does not cover failure by the client to give notice to the Contractor regarding deficiencies or defects within a reasonable time or as specified in the clients' warranty contract;
20. Warranty does not cover negligence and/or improper maintenance, or improper operation of items warranted under this warranty
21. Warranty does not cover failure of the clients or any client or third-party representative to comply with the warranty requirements of manufacturers of hardware, software, equipment, materials, or fixtures
22. Warranty does not cover any loss or damage which the client(s) have not taken reasonable timely actions to minimize;
23. Warranty does not cover any dispute received by Contractor later than 30 days after the applicable Warranty Expiration Date for claimed items of deficiency or defect;
24. Warranty does not cover any alleged deficiency or defect for which there is no evidence of deficiency or defects at the time of the claims investigation; or which has been repaired prior to a claim
25. Warranty does not cover any condition which does not result in actual physical or functional damage to the warranted equipment, materials, hardware, software, materials or fixtures.
26. Billable costs may occur if STS360 Technicians are denied entry to facility and/or when appointments are not cancelled within 24 hours of arrival. Should it be no fault of the client in the event of an unforeseen circumstance (act of God, serious incident / crime, or other unforeseen circumstance), and STS360 will excuse the charge but requests to be contacted as soon as possible to cancel the appointment.
27. STS360 cannot be held liable for unresponsiveness to work orders that are not reported and/or escalated through the proper chain of communication by OWNER in this warranty agreement.

i-PRO
The Power of Truth

RACK NVR | SR3E | NVR-R-2 (84TB-160TB)

MODEL	TOTAL STORAGE	USABLE STORAGE	RAM	PROCESSOR	POWER SUPPLY
NVR-R-2-84TB-V5	84TB (7 x 12TB)	72TB	64GB	DUAL	DUAL
NVR-R-2-112TB-V5	112TB (7 x 16TB)	96TB	64GB	DUAL	DUAL
NVR-R-2-160TB-V5	160TB (8 x 20TB)	140TB	64GB	DUAL	DUAL

- To meet total storage, individual HDD size and quantity may be subject to change.
- Total usable storage is calculated based on advertised HDD size, not OS recognition.
- Usable storage size may vary slightly.
- Performance for multi-monitor use depends on camera codec, resolution, FPS and network.
- Special order items should allow 14+ business days for delivery.

PRELOADED NETWORK VIDEO RECORDER – RACK SERVER

- VI Software Installed
- VI Enterprise Server Activation Included
- Includes Maintenance and current version of Video Insight updates
- Fully Configured and Tested
- "Plug & Play" NVR is Ready for Out-Of-The-Box Deployment
- Recommended Use Case | 300-600Mbs Recording Rate Performance | 1Gbs Network
- Recommended Use Case | 600-1000Mbs Recording Rate Performance | 10Gbs Network
- 5-Year Next Business Day On-site Service (After Remote Diagnosis by i-PRO Support Team)

SERVER SPECIFICATIONS

PROCESSOR
2 x Xeon Silver 12-Core / 24-Thread

MEMORY
64GB

I/O SLOTS
Up to 8 x Gen3 Slots

OPTICAL DRIVE
No

RAID CONTROLLER
H755

IDRAC
iDRAC9 Express

EMBEDDED NIC
2 x 1GB BASE-T & 2 x 10GB SFP+

POWER SUPPLY
2 x 1100W Power Supply Hot-Swap

SECURITY
On-board Encryption | TPM | 2.0

OPERATING SYSTEM
Windows Server 2022 Standard

ACCESSORIES
Keyboard and Mouse

GRAPHICS CARD
Intel Onboard Graphics

VIDEO OUTPUT
VGA

WEIGHT
63 lbs

DIMENSIONS
2U Rack Mount:
(H)1.69", (W)18.9", (D)23.58"
(Dimensions Do Not Account for Bezel)

HDD BAYS
Up to 12 x 3.5" Enterprise Drives
(Storage RAID 5)
OS on 2 x M.2 High Speed SSD Drives
(RAID 1)

WARRANTY
5-Year Next Business Day
On-site Service (After Remote Diagnosis by i-PRO Support Team)

MONITOR
Not Included

RAILS
Rails Included | 4 Post

- Rear drives: If unit supported, are special order and will require extra configuration time.
- Server warranty will not cover issues resulting from third-party parts.
- Hardware meets NDAA standards.

i-pro.com/us/en/surveillance/products/nvrs

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RACK NVR | SR1 | NVR-R-1-12TB

MODEL	TOTAL STORAGE	USABLE STORAGE	RAM	PROCESSOR	POWER SUPPLY
NVR-R-1-12TB-V5	12TB (1 x 12TB)	12TB	32GB	SINGLE	SINGLE

- To meet total storage, individual HDD size and quantity may be subject to change.
- Total usable storage is calculated based on advertised HDD size, not OS recognition.
- Usable storage size may vary slightly.
- Special order items should allow 14+ business days for delivery.

PRELOADED NETWORK VIDEO RECORDER – RACK SERVER

- VI Software Installed
- VI Enterprise Server Activation Included
- Unlimited Software Updates for the Video Insight Edition Installed
- Fully Configured and Tested
- "Plug & Play" NVR is Ready for Out-Of-The-Box Deployment
- Recommended Use Case | 150-300Mbs Recording Rate Performance | 1Gbs Network
- 5-Year Next Business Day On-site Service (After Remote Diagnosis by i-PRO Support Team)
- 1-Year VI HM+ Activation Included (Meant for use on secondary machine)

SERVER SPECIFICATIONS

PROCESSOR
1 x Xeon 4-Core / 4-Thread

MEMORY
32GB

I/O SLOTS
Up to 2 x Gen3 Slots

OPTICAL DRIVE
No

RAID CONTROLLER
No

IDRAC
iDRAC9 Express

EMBEDDED NIC
2 x 1GB BASE-T

POWER SUPPLY
1 x 450W Power Supply

SECURITY
On-board Encryption | TPM 2.0

OPERATING SYSTEM
Windows 11 PRO

ACCESSORIES
Keyboard and Mouse

GRAPHICS CARD
Intel Onboard Graphics

VIDEO OUTPUT
VGA

WEIGHT
29 lbs

DIMENSIONS
1U Rack Mount: (H)1.69", (W)18.9", (D)23.58"

HDD BAYS
Up to 4 x 3.5" Enterprise Drives
OS on 1 x M.2 High Speed SSD Drives

WARRANTY
5-Year Next Business Day
On-site Service (After Remote Diagnosis by i-PRO Support Team

MONITOR
Not Included

RAILS
Rails Included | 4 Post

- Rear drives: If unit supported, are special order and will require extra configuration time.
- Server warranty will not cover issues resulting from third-party parts.
- Hardware meets NDAA standards.

i-pro.com/us/en/surveillance/products/nvrs

i-PRO
The Power of Truth

RACK SERVER | AGS-R-2-H-60TB

MODEL	TOTAL STORAGE	USABLE STORAGE	RAM	PROCESSOR	POWER SUPPLY
AGS-R-2-H-60TB	60 (16 x 3.84TB SSD)	56TB	128GB	DUAL	DUAL

- To meet total storage, individual HDD size and quantity may be subject to change.
- Total usable storage is calculated based on advertised HDD size, not OS recognition.
- Usable storage size may vary slightly.
- Special order items should allow 14+ business days for delivery.

ACTIVE GUARD – RACK SERVER

- Active Guard Server Software Installed
- Fully Configured and Tested
- "Plug & Play" Ready Out-Of-The-Box Deployment
- Recommended Use Case | High Resource AGS applications
- (Confirm with Sales Engineering on AG Deployment & Design.)
- 5-Year Next Business Day On-site Service (After Remote Diagnosis by i-PRO Support Team)
- OS Installed on 2 x M.2 SSD Drives
- SQL Standard
- All SSD Storage

SERVER SPECIFICATIONS

PROCESSOR
2 x Xeon Silver 12-Core / 24-Thread

MEMORY
128GB

I/O SLOTS
Up to 8 x Gen4 Slots

OPTICAL DRIVE
No

RAID CONTROLLER
H755

IDRAC
iDRAC9 Express

EMBEDDED NIC
2 x 1GB Base-T & 2 x 10GB SFP+

POWER SUPPLY
2 x 1100W Power Supply Hot-Swap

SECURITY
On-board Encryption | TPM | 2.0

OPERATING SYSTEM
Windows Server 2022 Standard

SQL
Microsoft SQL Standard

ACCESSORIES
Keyboard and Mouse

GRAPHICS CARD
Intel Onboard Graphics

VIDEO OUTPUT
VGA

WEIGHT
63 lbs

DIMENSIONS
1U: (H)3.41", (W)18.98", (D)28.4"

HDD BAYS
Up to 28 x 2.5" SSD Enterprise Drives (Storage RAID 5)
OS on 2 x M.2 High Speed SSD Drives (RAID 1)

WARRANTY
5-Year Next Business Day On-site Service (After Remote Diagnosis by i-PRO Support Team)

MONITOR
Not Included

RAILS
Rails Included | 4 Post

- Rear drives: If unit supported, are special order and will require extra configuration time.
- Server warranty will not cover issues resulting from third-party parts.
- Hardware meets NDAA standards.

i-PRO Active Guard

i-PRO
The Power of Truth

MonitorCast Bundle MC-4d-BDL-A

The MC-4D-Bundle is an i-PRO 4 door predesigned bundle that includes 1 MC-LP1502 two door controller and 1 MC-MR52-S3B two door sub-controller, with 4 door licenses. It also includes 4 of the HID MC-40NKS Signo Reader. These readers are contactless smartcard readers – multi technology, mobile ready wall switch mounted. This i-PRO bundle is housed in a 4 door Altronix Trove1M1MC, which provides power for the Mercury Panels, as well as the locks. It will also include LINQ2 for network monitoring within the MC software.

Software	4 - Door License Included With Purchase
MC-LP1502	1- Mercury 2 Door Intelligent Controller
MC-MR52-S3B	1- Mercury 2 Door Sub-controller
MC-40NKS	4- HID Signo Standard sized reader
MC-T1MK1F4SQMC	1- Altronix/i-PRO Access and Power Integration Kit – Trove1M1MC with eFlow4NB, VR6, ACM4, PDS8, LINQ2
Power Supply Dimensions	(18.00"H x 14.5"W x 4.62"D)

Expansion Bundle	Number of Doors	MC-MR52-S3B (Sub-Controller)	MC-40NKS (Readers)	Altronix Power Supply
MC-4D-BDL-Exp-A	4	2	4	MC-T1MK1F4SQMC
MC-8D-BDL-Exp-A	8	4	8	MC-T2MK7F8QMC
MC-16D-BDL-Exp-A	16	8	16	MC-T2MK77F16QMC

- Bundles DO NOT include credentials, contacts, locks, or sensors and DO NOT come pre-assembled.
- All the expansion bundles utilize the MC-MR52S3B which uses RS485 to connect to the MC-LP1502 controller. Each MC-LP1502 controller can manage up to 64 openings, so an additional MC-LP1502 controller is required for every 64 openings that are used for an access control solution.

Learn More
i-pro.com

i-PRO
The Power of Truth

MonitorCast Bundle MC-8d-BDL-A

The MC-8D-Bundle is an i-PRO 8 door predesigned bundle that includes 1 MC-LP1502 two door controller and 3 MC-MR52-S3B two door sub-controller, with 8 door licenses. It also includes 8 of the HID 40NKS Signo Reader. These readers are contactless smartcard readers – multi technology, mobile ready wall switch mounted. This i-PRO bundle is housed in a 8 door Altronix Trove2M2MC, which provides power for the Mercury Panels, as well as the locks. It will also include the LINQ2 for network monitoring within the MC software.

Software	8 - Door License Included With Purchase
MC-LP1502	1- Mercury 2 Door Intelligent Controller
MC-MR52-S3B	3- Mercury 2 Door Sub-controller
MC-40NKS	8- HID Signo Standard sized reader
MC-T2MK7F8QMC	1- 8-Door Altronix/i-PRO Access and Power Integration Kit – Trove2M2MC with EFLOW104NB, ACM8, VR6, PDS8, LINQ2
Power Supply Dimensions	27.25"W x 21.75"L x 6.5"H (692.15 mm W x 546.1 mm L x 165.1 mm H).

Expansion Bundle	Number of Doors	MC-MR52-S3B (Sub-Controller)	MC-40NKS (Readers)	Altronix Power Supply
MC-4D-BDL-Exp-A	4	2	4	MC-T1MK1F4SQMC
MC-8D-BDL-Exp-A	8	4	8	MC-T2MK7F8QMC
MC-16D-BDL-Exp-A	16	8	16	MC-T2MK77F16QMC

- Bundles DO NOT include credentials, contacts, locks, or sensors and DO NOT come pre-assembled.
- All the expansion bundles utilize the MC-MR52S3B which uses RS485 to connect to the MC-LP1502 controller. Each MC-LP1502 controller can manage up to 64 openings, so an additional MC-LP1502 controller is required for every 64 openings that are used for an access control solution.

Learn More
i-pro.com

i-PRO
The Power of Truth

MonitorCast Bundle MC-16d-BDL-A

The MC-16D-Bundle is an i-PRO 16 door predesigned bundle that includes 1 MC-LP1502 two door controller and 7 MC-MR52-S3B two door sub-controller, with 16 door licenses. It also includes 16 of the HID 40NKS Signo Reader. These readers are contactless smartcard readers – multi technology, mobile ready wall switch mounted. This i-PRO bundle is housed in a 16 door Altronix Trove2M2MC, which provides power for the Mercury Panels, as well as the locks. It will also include the LINQ2 for network monitoring within the MC software.

Software	16 - Door License Included With Purchase
MC-LP1502	1- Mercury 2 Door Intelligent Controller
MC-MR52-S3B	7- Mercury 2 Door Sub-controller
MC-40NKS	16- HID Signo Standard sized reader
MC-T2MK77F16QMC	1- 16-Door Altronix/i-PRO Access and Power Integration Kit – Trove2M2MC with 2-eFlow104NB, 2-ACM8, VR6, PDS8, RSB2, LINQ2
Power Supply Dimensions	27.25"W x 21.75"L x 6.5"H (692.15 mm W x 546.1 mm L x 165.1 mm H)

Expansion Bundle	Number of Doors	MC-MR52-S3B (Sub-Controller)	MC-40NKS (Readers)	Altronix Power Supply
MC-4D-BDL-Exp-A	4	2	4	MC-T1MK1F4SQMC
MC-8D-BDL-Exp-A	8	4	8	MC-T2MK7F8QMC
MC-16D-BDL-Exp-A	16	8	16	MC-T2MK77F16QMC

- Bundles DO NOT include credentials, contacts, locks, or sensors and DO NOT come pre-assembled.
- All the expansion bundles utilize the MC-MR52S3B which uses RS485 to connect to the MC-LP1502 controller. Each MC-LP1502 controller can manage up to 64 openings, so an additional MC-LP1502 controller is required for every 64 openings that are used for an access control solution.

Learn More
i-pro.com

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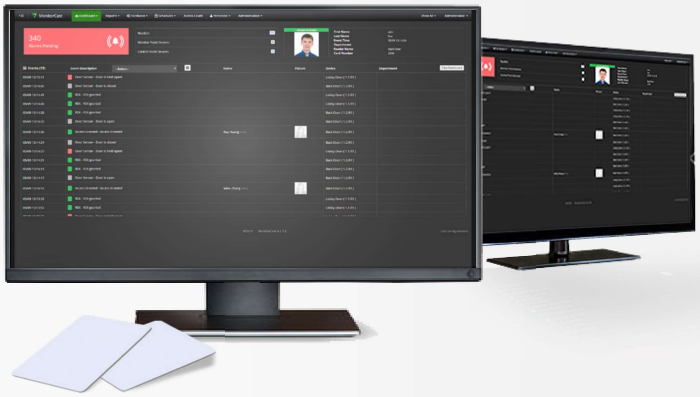
The Power of Truth

MonitorCast

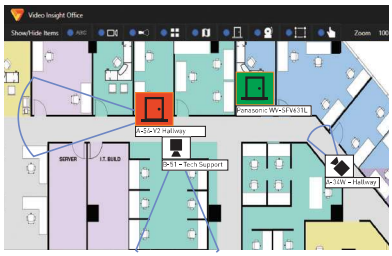
ACCESS CONTROL BY i-PRO

Powered by Mercury

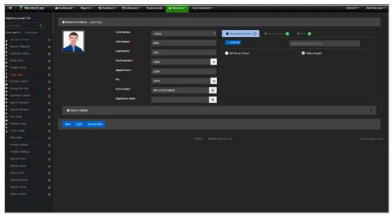


Video surveillance is just one of the components needed to achieve a secure environment. Another main element of any safety roadmap should be an access control system that enables its users to quickly and efficiently set schedules, manage users, produce reports, and lock down the entire site in the event of an emergency. MonitorCast 4 is an enterprise-grade access control application that comes integrated with Video Insight 7 to provide a seamless, unified security solution that allows security officials to increase readiness and quickly respond to incidents.

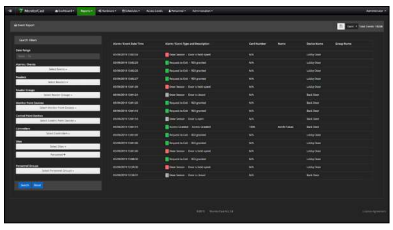
- Easy to use, browser-based management with extremely scalable client connections
- Door licenses are bundled when Mercury controllers are purchased from i-PRO
- No re-occurring fees or client license fees
- Fully integrated into Video Insight video management software
- Access the platform from web or mobile clients to secure your facility from anywhere



Simple Dashboard Display.
Door Alarm on the Facility Map



Easy User Import & Creation



Customizable System Reports

CONTACT US

i-pro.com/us/en/surveillance/contact-us

ACCESS CONTROL TECHNOLOGY PARTNERS

ALLEGION	Providing an electronic solution to mechanical locks.	
Altronix®	Power and data transmission solutions for professional security, surveillance, access control.	
HID	Power and data transmission solutions for professional security, surveillance, access control.	
LifeSafety Power®	ProWire solutions are ready-to-install to simplify and standardize access installations across the enterprise.	
MERCURY SECURITY	The controller platform supplier of choice for true open architecture-based deployments.	
SCHLAGE	Comprehensive electronic access control solutions, Schlage provides protection at critical moments.	
	Enterprise video management software (VMS) with new plug-in architecture that provides enhanced scalability and improved feature sets	

i-PRO
The Power of Truth

MonitorCast 4

Video surveillance is just one of the components needed to achieve a secure environment. Another main element of any safety roadmap should be an access control system that enables its users to quickly and efficiently set schedules, manage users, produce reports, and lock down the entire site in the event of an emergency. MonitorCast 4 is an enterprise-grade access control application that comes integrated with Video Insight 7 to provide a seamless, unified security solution that allows security officials to increase readiness and quickly respond to incidents.

KEY FEATURES

Multi-Site Support

- Perfect for large multi-location facilities such as, government buildings, school districts, office branch locations, and even sporting arenas.
- Provides the ability to partition controllers between multiple primary and secondary sites.
- Each site contains independent controllable hardware, cardholders, and schedules all managed in one central console.

Built-in Rules Manager

- Reader/door rules
- I/O triggers
- Access denied/granted
- Reader override
- Keypad duress and output triggers
- Email notifications
- Keypad intrusion
- Monitor point audio alerts
- First card unlock
- Personnel roles

Scheduling Support

- Easily add or modify all schedule types
- Custom holiday scheduling a year in advance
- Advanced scheduling for special days or events
- Snow day to override all door schedules

Panic Buttons

- Proactively protect any facility with panic buttons. These programmed input devices can easily lock down a facility and override all door schedules.

Active Directory and CSV Import Utilities

- Unify your IT infrastructure by centralizing your configuration and personnel management database.
- By using active directory, system administrators can import individual personnel or groups efficiently.
- Active directory & CSV import include emails, names and phone numbers.
- Import personnel photo from local path.
- Personnel activation date/deactivation date.
- Active directory synchronization

Database Trimmer

- Provides the ability to limit the time frame of records kept within MonitorCast's database.
- Provides greater stability and usability to the platform.
- Helps DB admins and fellow users reduce the size of unwanted/expired information being stored in the database.

Card Access Management and Easy Enrollment

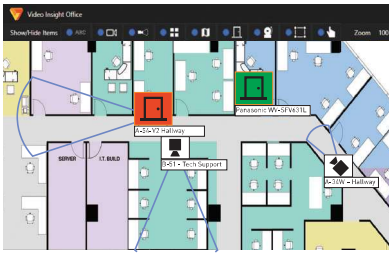
- Assign cards directly from the dashboard.
- Provides the ability to granularly assign individual card types to controllers, no matter if you are using 26bit card or another format entirely.
- Easily enroll a reader's configuration.
- Simply assign a card with a quick scan which opens the personnel enrollment page linked to card's number.

Card Format Discovery Support

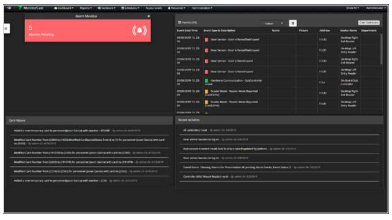
- With a simple scan of any card MonitorCast 4 can provide exact card format information. Info such as card facility code assignment or card enrollment status.
- Allows for easy formatting, assignment, and retrieval of lost or stolen cards.

Customizable Reports

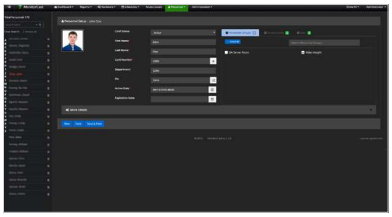
- Automated email reports.
- MonitorCast 4 empowers its users with an array of customizable reports which are exportable directly from its UI.
- File formats for reports: PDF & XLS (Via VI MonitorPlus).
- Reader access reports (provide data on access to specific door name, & access level).
- User and card history
- Time & attendance
- Personnel area
- Other Integrators
- Schlage NDE/LE wireless lock support
- Schlage AD400/AD300
- Altronix LINQ integration
- ASSA Abloy Aperio line



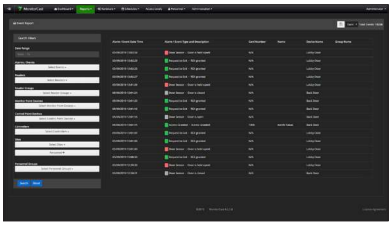
Simple Dashboard Displays Door Alarms on the Facility Map. Plot out your alarms visually using Map Based Alarms, providing real-time door alarms using the VI Monitor client access control map interface.



Custom Dashboard



Easy User Import & Creation



Customizable System Reports

MERCURY HARDWARE

MonitorCast 4 is designed to support genuine Mercury hardware, making it easy to utilize most boards from existing installations without any modifications.

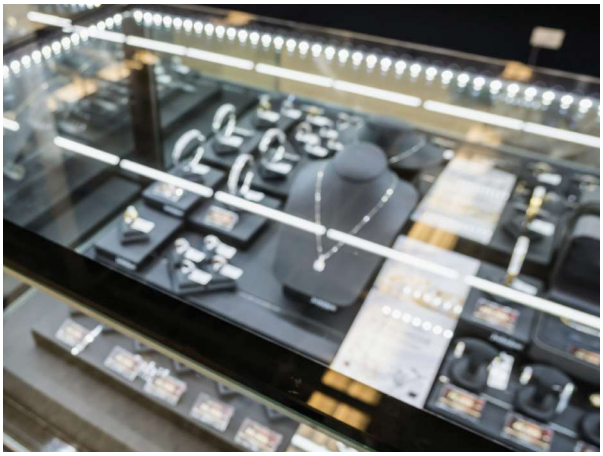
CONTROLLER	TYPE	PRIMARY POWER	READERS	INPUTS	OUTPUTS	ADDITIONAL FEATURES
MERCURY-LP4502	Intelligent Controller	12-24VDC +/- 10%, 150mA Max	2	8 Standard Inputs	4 Relays: Form C, 5A 30Vdc	Scalable up to 64 doors
MERCURY-LP2500	Intelligent Controller	12-24VDC +/- 10%, 150mA Max	0	0 Inputs	0 Relays	Scalable up to 64 doors
MERCURY-LP1501	Intelligent Controller	PoE @ 12.95W or 12Vdc	2	2 Standard Inputs	2 Relays: Form C, 2A @ 30Vdc	Scalable up to 17 doors
MERCURY-LP1502	Intelligent Controller	12-24VDC +/- 10%, 150mA Max	2	8 Standard Inputs	4 Relays: Form C, 5A 30Vdc	Scalable up to 64 doors
MERCURY-MR50-S3	Sub-Controller	12-24VDC +/- 10%, 150mA Max	1	2 Standard Inputs	1 Relay: 5A 30Vdc	Requires 485 Communication
MERCURY-MR62e	Sub-Controller	PoE @ 12.95W or 12Vdc	4	6 Standard Inputs	4 Relays: Form C, 2A @ 30Vdc	Network Communication
MERCURY-MR52-S3	Sub-Controller	12-24VDC +/- 10%, 150mA Max	2	8 Standard Inputs	6 Relays: Form C, 5A 30Vdc	Requires 485 Communication
MERCURY-MR16i-S3	Sub-Controller	12-24VDC +/- 10%, 150mA Max	0	16 Standard Inputs	2 Relays: Form C, 5A 28Vdc	Requires 485 Communication
MERCURY-MR16o-S3	Sub-Controller	12-24VDC +/- 10%, 150mA Max	0	0 Inputs	16 Relays: Form C, 5A 28Vdc	Requires 485 Communication

Licensing: The application is licensed on a "per door" basis and a numeric license is required and specifies the number of doors allowed to run on each MonitorCast 4 installation. In addition, licenses are specific to the server and hardware used on a single box. If needed, additional doors can be added a la carte.

Medeco XT

Intelligent Key Ecosystem: Smart Solutions for Every Opening

Experience a safer and more open world



Smart Solutions for Real Issues

Eliminate Costly Rekeying

The XT system eliminates the expense of physically rekeying locks and replacing keys. All rekeying is done electronically through the programming of the keys.

Providing Accountability to Sensitive Information

Audit records can identify which employees have access to sensitive information, such as employee documents, healthcare records or student transcripts.

Grant After-Hours and Temporary Access

Electronic scheduling gives you the flexibility to control access around the clock, including providing temporary access. Both cylinder and key retain records of when all accesses occur.

Control Inventory Loss

With audit records in both the lock and the key, you can easily identify which employees have accessed storage areas for greater inventory control.

Achieving Physical Security Regulatory Compliance

XT offers an easy-to-deploy access control solution to address physical security compliance requirements in many industries. Ideal for providing access control in remote locations that utilize padlocks as part of the overall infrastructure.

Manage Employee Turnover

Electronic rekeying and remote-access programming lets you respond immediately to personnel changes, even if keys are not returned.

Simplify Key Control

Simplify key control by assigning employees a single Intelligent Key that gives them access to all the locks they need to open.

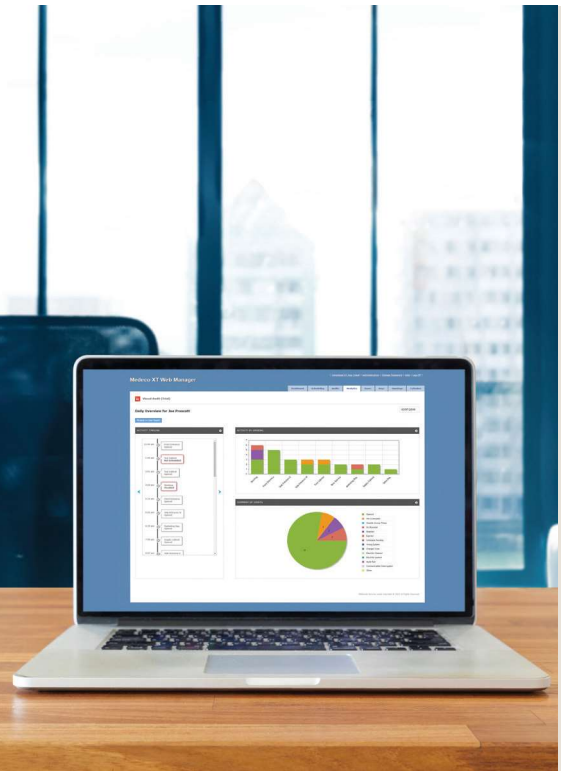
Respond to Missing Keys

With electronic scheduling and rekeying, you can respond immediately when keys go missing.

Prevent Copied Keys

XT Intelligent Keys cannot be copied like traditional mechanical keys.

Key System Security Managed Anywhere in the World, Through the Cloud



Web-based software ensures that a facility's database is always accessible, secure and up-to-date.

The XT system can be managed from anywhere there is internet access using powerful web-based software.

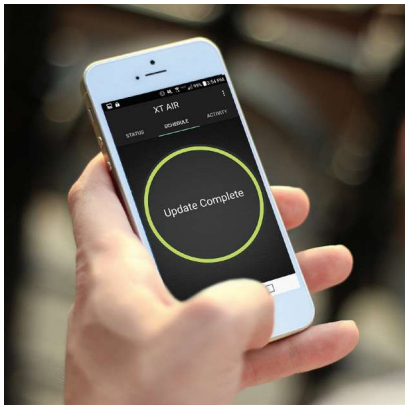
Features include:

- Data analytics provide a visual audit of suspicious activity
- Program keys to control who has access to what and when access is allowed
- Pull time/date-stamped audits from keys and cylinders and generate reports
- Create and quickly change key access rights and schedules
- Program keys to expire at a specific time and date and no longer operate until revalidated; this enhances key control and reduces risks if key is lost or stolen
- Access profiles and cylinder groups speed programming for larger installations
- Integration with other EAC systems is available
- Eliminates the cost and maintenance of on-site servers and support, such as anti-virus software, patches, updates, backup and HVAC/cooling

Access control in the Cloud

Cloud services have become an integral part of our daily activities, such as smart phone usage, file sharing and media storage. And, just as they have changed our personal lives, cloud services are also changing the way we do business. From IT and marketing resources to collaboration and HR services, there are tools available for businesses of every size and industry.

Now we can leverage the power of secure cloud-based subscription services to change the way that we manage access control. Intelligent Key Systems use this innovative technology to deliver flexible, cost-effective solutions that increase security, accountability and compliance on every opening.



Update keys on the go

With the XT Air App, users can quickly and easily update keys via their smartphone. The Bluetooth wireless connection sends key audit data automatically to the web-based software, through the Cloud.

Intelligent Key Systems —

Access control for openings that might otherwise be considered cost prohibitive or impossible to secure.

Locks

- Hundreds of cylinder formats are available including SFIC, cam locks, padlocks, and unique locking solutions
- Quick, simple installation: replaces existing mechanical cylinder.
- No power or wiring required
- Stores up to 2,000 audit events

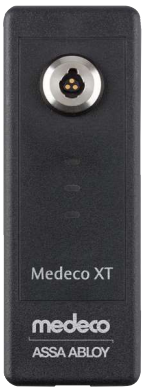
Intelligent Keys

- Lightweight and rechargeable
- Power is in the key
- Water-resistant design
- Stores up to 16,000 cylinders
- Stores up to 10,000 rolling audit events
- Customizable activation and expiration periods
- Available with Bluetooth for wireless updates via smartphone

Programming Devices — Bringing Your Key System Online

XT programming devices are used to program keys and update access rights locally and remotely.

XT Air App
Allows XT keys to be programmed anywhere using a smartphone.



Mobile Programming Device
Allows XT Keys to be programmed remotely via Bluetooth when connected to an Android Mobile device running the XT Go App (iOS not available).

Desktop Programmer
Program and/or charge a single XT key using a standard micro-USB connection.

Identification & Programming Device (IPD)
Remotely programs XT key updates, key revalidation, key firmware updates and audits.

Multi-Key Programmer/Charger
Programs and charges up to 9 keys at a time, ensuring they are always updated and ready for use.

Key Management

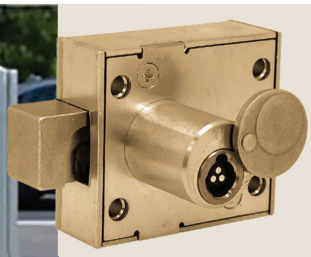
Intelligent Key Cabinet (IKC)
The IKC is an electronically-controlled key management solution that can secure, distribute and audit the use of XT keys, mechanical keys, or other assets. Only authorized users can gain access to the cabinet. As an essential addition to any XT Intelligent Key System, it secures keys and keeps them charged and ready for use. The IKC can improve employee efficiency and increase accountability which translates into a more secure facility with lower operating costs. IKC can be combined with the IPD (Identification and Programming Device) for a full XT managed solution.

Unique Solutions and Specialty Products

Guard Tour Reader
The Guard Tour Reader is a simple, yet powerful, user tracking solution that can be added to any XT Intelligent Key System. The reader mounts easily to any interior or exterior wall, door, or other flat surface, where tracking movement or activity is important. A record of activity is available for audit or reporting at any time.

Access Interface Module (AIM)
AIM allows an XT key to trigger actions in other systems. Users can unlock doors with electric strikes or maglocks, initiate video cameras and bring attention to unauthorized events by triggering access control or alarm panels.

Dual-Tech Cylinder
Combination of a mechanical cylinder for rapid entry in the case of emergency, and XT electronic cylinder for every-day access with audit and scheduling capability.



Traffic Cabinet Lock
Traffic Systems are vulnerable to tampering and vandalism. The XT Traffic Cabinet lock is a direct replacement for outdated and insecure mechanical locks.

Safe Lock
The XT Safe Lock is a direct replacement for physical security devices that utilize standard mechanical dial combination locks or digital keypad locks.

The Intelligent Solution for Controlled Access and Accountability

XT is a powerful Intelligent Key System that uses innovative technology to deliver a flexible, cost-effective solution for access control and accountability on every opening. The XT system installs quickly and easily without the need for wiring, a power supply, or changes to existing door hardware. Cloud-based hosting services ensure that a facility's database is always secure, always accessible and always up-to-date.

XT Provides:

Controlled Access
Keys are electronically programmed to open only specific locks during a designated schedule.

Accountability
Audit information recorded in both the lock and key shows a time- and date-stamped record of every event, including authorized accesses and unauthorized attempts.

Electronic Rekeying
Respond quickly to security threats, lost or stolen keys or personnel changes without the added cost of changing your locks and keys.

Easy Installation
XT keys provide all power to the cylinder, eliminating the need for any hard wiring or power supply. Simply remove the existing mechanical cylinder and install the Medeco XT cylinder.

Cloud-Based Management
Online access to all programming, analytics and full audit reports are offered with the convenience of cloud-based software.

Solutions for Every Application
XT cylinders are available to fit nearly any application or hardware type for enhanced security and accountability.

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

MEDECO U.S.: 3625 Alleghany Drive
Salem, Virginia 24153
Customer Service:
1-877-633-3261

MEDECO Canada: 160 Four Valley Drive
Vaughan, Ontario L4K 4T9
Customer Service:
1-888-633-3264

Founded in 1968 and based in Salem, Va., Medeco is a market leader in mechanical and electronic locks and locking systems for security, safety and control. The company's customer base includes wholesale and retail security providers; original equipment manufacturers; and institutional, commercial, industrial and residential end users.

LT-922141-10 REV5

Get In Touch

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info@sts360.com

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STS360 SECURITY TECHNOLOGY SOLUTIONS

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ADVANCED END-TO-END SECURITY SOLUTIONS

We have prepared a quote for you

183A Ph III - Access Control and Video Surveillance Solution for Toll Cabinets

Quote # STS360STS002984
Version 1

Prepared for:

Central TX Regional Mobility Authority

Cory Bluhm Bluhm
cbluhm@ctrma.org

FIRM PROFILE

GENERAL COMPANY INFORMATION

Company Name: Sigma Surveillance, Inc. DBA STS360

Principal Place of Business: 14229 Proton Rd, Dallas, Texas, 75244

Main Phone: (972) 392-3635 **Fax Number:** (866) 223-8167

STS360 Contact: Chandler Rawlings

Contact Office Phone: (972) 300-1082 **Contact Cell Phone:** (940) - 366 -5831

Contact Email Address: Chandler@sts360.com **Contact Title: Executive Account Manager**

Secondary STS360 Contact: John Hoffman

Contact Office Phone: (469) 212-6022 **Contact Cell Phone:** (469) 212-6022

Contact Email Address: John@sts360.com **Contact Title: Executive Vice President**

Field Technical Support Center Locations: Dallas, Texas - Carrollton, Texas - Houston, Texas - Austin, Texas - Alice, Texas - Corpus Christi, Texas - Wichita Falls, TX - Fort-Worth, Texas - El Paso, Texas

STS360's PRINCIPALS:

Bobby Khullar, President / CEO **Email:** bobby@sts360.com

John Hoffman, Executive Vice President **Email:** john@sts360.com

Years in Information Technology: 20 **Years in Security Business:** 20

Type of Ownership: Privately held **State of Incorporation:** Texas

Type of Incorporation: S Corporation **Year Founded:** 2005

Number of Employees: 30+ STS360 Employees 100+ subcontractor employees

Vendor ID Number: 20-2542335 **HUB Vendor?** Yes Cert: 1202542335600

Bonding Capacity: $25 million per project / Aggregate $25 million

AUTHORIZED NEGOTIATOR: John Paul Hoffman, Executive Vice President

FIRM PROFILE

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

VENDOR QUALIFICATIONS

STS360 has been designing, installing, and supporting network-based security systems for over fifteen (20) years, and intends to demonstrate to The Central TX Regional Mobility Authority Purchasing representatives that during this time we have garnered significant experience and qualifications that make us an outstanding candidate for consideration of award. STS360 has been installing and supporting large Video Surveillance, Access Control, Intrusion and Audio visual installations for State Agencies, Counties, Cities, Towns, and Schools for years.

STS360 was founded as an IT Systems consultant and integrator in 2000. We found ourselves naturally moving core services to security solutions due our customers' increasing demands for network-based security. Since we were already proficient in networks and IT Systems, the transition was natural and STS360 became a leader in providing IP solutions well before they became commonplace solutions. We tailored innovative security solutions to solve our clients' security needs and provide high ROIs through loss prevention, improved operational oversight, liability mitigation, reduced investigation times and safer, more secure environments.

STS360 is highly qualified and experienced in the services we perform and product lines we offer. STS360 is very careful to approach technology with a few key prejudices. (1) it must be expandable, meaning that the end user should not be limited in their ability to expand their security system in the future should they desire to, whether because of technology limitations or cost limitations; (2) the products must be proven to be of the highest of quality available in the market for that type of product. Our customers deserve a strong solid solution with a long-term lifecycle and support, and we will not promote a product we do not believe will be the best return on investment for our customers At STS360 our experience proves invaluable to the longevity of our partnerships with our clients and supported systems.

STS360 invests in our success by investing in our employees' growth. We certify all STS360 technicians on the various products that we sell and support. STS360's operational procedures also mandate a minimum of 8 hours of training per month for all of our senior and field technicians as a part of their job duties, because there's always room to learn and improve. These monthly trainings can range from manufacturer factory certification training and network certification, to online tests on industry codes & hands-on trainings in our technology lab at STS360 headquarters. STS360 also invests in our subcontractor's education and frequently brings them into our training program to insure they are meeting our high standards.

Considering the sensitive and, unfortunately, critical nature of the service we provide, STS360 has been successful in fostering long-term customer relationships because of our stellar performance and support. We have installed and continue to support tens of thousands of devices for our customers because they trust us to provide the same unparalleled support year after year.

STS360 excels in being flexible, exercising creativity, and providing unwavering attention to detail to customize unique Security Technology Solutions to achieve our clients' diverse needs. We can do this because we have the talent of a large company with the maneuverability and competitiveness of a small one. With a team of technically savvy systems engineers, field service technicians, support staff, account managers and project managers instead of solely technical, contractual and sales expertise, STS360 can honestly say that we truly rise to any challenge a client puts forth to us.

ADDITIONAL QUALIFICATIONS:

HUB CERTIFIED BUSINESS: 1202542335600
NCTRCA, MBE, SBE

As a Certified HUB, we are proactive in HUB outreach and attend/exhibit as such in conferences statewide. We participate in the DIR Conference's HUB Networking Event and build relationships with Minority owned businesses across the State of Texas that are pursuing the

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

status while promoting its benefit to those subcontractors utilized that are not yet certified. We approach every project with a goal of assisting our community.

HIGH BONDING CAPACITY

Lastly, we believe that our strength in our bonding capacity speaks volumes to our qualifications and financial stability. When you work with STS360 you can guarantee that you are working with a solid company who will always be there for you. STS360 has been bonding projects for over 15 years. We have a bonding aggregate capacity of $25million, up to $25million for a single project, and have had active bonds upwards of $25million at any given time. We have successfully completed all the bonded projects and continue to have our bonding capacity increased year after year when Philadelphia Insurance does their yearly audits.

i-PRO PREFERRED PARTNER

STS360 received and maintains the Premier "i-PRO Preferred Partner" designation for outstanding understanding of the product, solutions, and expertise in integration. This prestigious status provides STS360 the ability to offer forensic software and analytics unavailable outside of 15 dealers nationally. Additionally, it provides STS360 with extra resources to improve competitive advantages when proposing i-PRO Solution as well as Operating Inventory Priority.

SAFETY AND COMPLIANCE – SINCE 2005

- OSHA COMPLIANCE – **100%**
- OSHA INVESTIGATIONS - **0**
- Employee Injuries – **0** Since Business Inception
- Subcontractor Injuries – **0** Since Business Inception
- Average MOD Factor – **0.93**

MANAGEMENT STRUCTURE

Bobby Khullar - CEO, President, Owner

Bobby had a successful career in Federal contracts and IT. Seeing the increased need for IP Security Products, Bobby built STS360 from the ground up in 2005. With keen knowledge of IT and government contracts, and the firm dedication of his carefully assembled team, he rapidly grew STS360 by leading with IP technologies in a time when analog technology still dominated the market. For 18 years, STS360 continues to be a leader in the security public sector market with Bobby at its helm.
bobby@sts360.com

John Paul Hoffman – Executive Vice President

John Paul Hoffman, a security industry veteran of 20 years, worked through the ranks to Executive Vice President where he assists in managing STS360 while actively running his sales team. He maintains the Texas Security Integrator market by cultivating relationships among Texas State Agencies, Counties, Cities, Towns, School Districts, and manufacturers. John is well known for his availability and willingness to consult on the industry. Heavily certified in security technology, versed in installation requirements, and customer devoted, his clientele confidently rely on his guidance.
john@sts360.com Cell: (972) 300-1082

Jose Garza – CTO

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Jose Garza has been in the IT sector for over 25 years, working in both Private and Public Sectors. As CTO, he is responsible for maintaining the level of quality of IT Services provided by STS360 as well as ensure STS360 is operating at the latest industry standards. As COO, Jose overseas the Company's Service and Project Teams. Jose Garza is 3-time Cisco Certified Network Professional (CCNP) in routing and switching. Jose Garza is also holds Microsoft, CompTIA, and HP Certifications. He has also worked to provide Cybersecurity Solutions assessments to the Public and Private Sectors.

Jose Avina - Field Operations Manager

Over a decade of experience has Jose Avina managing the physical implementations of STS360 Projects. A Certified Level 3 Alarm and Fire Auditor, Jose joined STS360 to run the company's onsite operations initially with the Safe City Program. Jose has risen to manage several team schedules and he quality controls installations of his team leads and technicians. Setting the bar of standards for field execution of cabling, mounting, and proper field etiquette, his patience, integrity, and respect have earned him a reputation for excellence by end users and employees alike.
avina@sts360.com

Kartavya Mahadevia – Senior Technical Project Manager and Engineer

With over 20 years of experience in Information technology and project management, he has been with STS360 since 2005. Kart is a Microsoft Certified System Engineer and has certifications from various leading security manufacturers. Kart's expertise is in various Video Management, Access Control, Intrusion, Wireless, Server, Storage and Networking System technologies. He is an integral part of System Design to System Deployment and System Support and he manages several teams. Kart has earned many accolades from our customers and will serve as the front man for technical troubleshooting, system configuration, and training.
kart@sts360.com

CERTIFICATIONS

Video Management Systems

Verkada	Video Insight
OnSSI	Exacqvision
Milestone	Salient
Axis	Wisenet WAVE

Access Control Systems

MonitorCast	Continental Access
Open Options	SALTO Systems
Isonas	RS2

Camera Certifications

Panasonic/Arbitrator	Illustra
Axis	Advidia
Hanwha	FLIR

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Sony	Hikvision
Bosch	Mobotix
Honeywell	Interlogix
Arecont	GeoVision

PROJECT MANAGEMENT

STS360 knows the only way a project will be successful is if all key components come together and are well organized and managed both before and throughout the entirety of the implementation. The key components of a project are Scope, Schedule (time), Budget (cost) and of course, Quality. At STS360 our project managers focus on these key elements and are supported by a solid team of professionals working to exceed expectations.

A project always starts with **Scope**; do the customer and STS360 clearly understand and agree upon the scope of work and products to be installed? This does not simply refer to what is proposed and awarded, this is more granular and begins as soon as the contract is awarded. The STS360 design team will work with the Central TX Regional Mobility Authority stakeholders to tour facilities, refine any unique design needs for each location and environment, and present a final design and scope for each location to the Central TX Regional Mobility Authority Stakeholders. Once the design is agreed upon, the project manager will work with the Executive Stakeholders and the STS360 Project Coordinator to schedule a project kickoff meeting for all involved parties including all CTRMA support team stakeholders, CTRMA IT Department, STS360 project team members, STS360 Executive Oversight, and any subcontractor representatives. Prior to this meeting the STS360 project manager will review pre-project documentation with the Executive Stakeholders, including but not limited to system rights and configuration settings, final drawings & diagrams, phase payment schedules and milestones, and communication plan with assigned roles and responsibilities. Any revisions will be completed prior to the kickoff meeting. We propose the project kickoff meeting be held on site and the installation schedule, security procedures / risk mitigation, and communication plan be addressed. After the formal kickoff meeting, we propose to have each site walked before any equipment is placed or installed to seek approval for any penetrations, equipment placements or special considerations. Also, this allows the local representative whether that be the IT Manager or CTRMA Engineer or whomever the agency assigns, to become familiarized with the scope, schedule and team that will be working with on their territory.

The next key component of course is managing **Budget (Cost)**. STS360 does not believe in going in low and change ordering our customers' after award to gain our profit. What we propose is what you pay. The only time you will see STS360 asking you for a revision to a purchase order is if the customer asks us to add additional components to the scope. If something was missed in our proposal STS360 takes liability for any impact to our profitability that causes. If our costs increase on equipment or labor STS360 takes liability for the impact to our profitability. Return on investment is an important factor that we must consider when designing a project, especially when budgets are tight and recurring fees just add to the overall cost but provide little value over the life of the final product itself. With that in mind, STS360 the products we have chosen are from market leaders in their respective technologies was specifically designed for use in enterprise scenarios with an eye to quality and long-term ROI.

Thirdly we have **Schedule (Time)**. On projects time, can have a way of running away from you if not managed properly, and we know our clients' time and their need to have a functional system as quickly as possible is paramount. As part of our project plan, we have proposed these projects be completed in multiple phases to ensure an expeditious completion to all aspects of the scope of work. We will consider each install a "phase" and while some of these phases may run concurrently as they are able to be managed separately to make best use of resources. We are dedicated to a smoothly run project. To delay each significant milestone, punch lists, 3rd party testing & documentation acceptance until the end of the project when ALL locations are completed, will create a bottleneck at the end of the project and prolong a successful completion. Therefore, we will attend to each installation location as a separate "phase." STS360 will also train local and administrative staff after each facility is installed instead of just waiting until the end. We will also conduct a final training with any parties that need to attend or want to be refreshed, in a central location for a min 4 hours if required.

Lastly but not least you cannot talk about a project plan without discussing **Quality**. Quality control checks and balances must be a

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

continuous part of a project, not left to the end of a project. Leaving quality control to the end of a project leads to extensive punch lists, delayed documentation completion, throwing off the schedule & most importantly will make the agency question our qualifications. Before any product even reaches the site for installation it will be bench tested in our lab in Dallas to ensure it is functional. It will then be burned in for a period of no less than 24hrs, in a simulation exactly to scope for this project, to ensure the functionality is working correctly. Then all hardware will be pre-configured with IP addresses provided by the agency and labeled by location, IP address and the system documentation started before it ever leaves our facility. Each site will be assigned a job supervisor and enough crew members to complete the job on time or earlier. Senior Technicians and /or Project Manager will be visiting each facility at a minimum of 2 days per week if not more to manage the supervisors progress, do spot quality checks, ensure that the workspaces are being kept clean and safe, and to retrieve documentation. If the senior technician or the project manager find any discrepancies, they are immediate addressed and fixed by the appropriate party. Our Project Coordinator continually does audits on the work product coming from the field, e.g. Is the project team on schedule? What staff is onsite and what did they do that day? Did they show up on time and leave on time? Are there additional materials or equipment needed to be sent out and when does it need to be delivered? Are the system documentation and drawings being updated and added to our secured CRM, so we always have the most up to date information? Is the system documentation correct and formatted clearly? At the end of the project phase and upon our own internal review of quality, STS360 will notify the agency that we are ready for a final system test and punch list walk through assessment with the assigned stakeholder. Any discrepancies found are noted and corrections made immediately. The likelihood of a significant punch list, however, is slim due to our dedication to quality throughout the installation.

To conclude this section, it is important that we note that not only will we comply with the documentation that is requested by the agency, STS360 also provides an extensive amount of data that is searchable and updated throughout the warranty period as equipment is replaced. This includes but is not limited to any serial numbered device showing the following information:

- Part Number
- Description
- Serial Number
- Mac Address
- Ip Address
- Campus / Facility
- Camera Name
- Camera Installation Location
- Camera Mount Type
- Indoor / Outdoor Designation
- Associated IDF / MDF
- Associated Rack
- Associated Patch Panel Ports
- Associated Network Switch Name
- Associated Network Switch Ports
- Associated Power Source (If Applicable)
- Camera Settings
- Live and Recording Settings
- Live Server Path
- Archive Path
- Mfg. Warranty
- And Other Related Settings

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(972) 392-3635

STATEMENT OF WORK - Toll Cabinets

STS360 is pleased to offer the below statement of work for Central TX Regional Mobility Authority

STS360 will be responsible for providing a Turnkey Quote and Build out for Roadway 183A Ph3 requested Access control and video Surveillance solution for the toll cabinets.

STS360 has proposed a solution including installation, operation and services for the complete system as requested.
STS360 will be responsible for installing, configuring and servicing the following, including but not limited to:

Installing a access control and video surveillance system to each 141 toll cabinets.

Total Roadways and Final Counts:

		1-Door Cabinet		2-Door Cabinet		4 - Door Cabinet		Total	
Roadway	Deployment	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total Cabinets	Total No. of Doors
183A	Tolling	5	5	3	6	2	8	10	19
183A Ph III	Tolling	0	0	0	0	10	40	10	40
183A Ph III	ITS	4	4	11	22	0	0	15	26
183 Toll	Tolling	0	0	13	26	1	4	14	30
290 Toll	Tolling	3	3	1	2	8	32	12	37
290 Toll	ITS	0	0	19	38	0	0	19	38
Mopac	Tolling	0	0	1	2	4	16	5	18
Mopac	ITS	0	0	4	8	0	0	4	8
SH 71	Tolling	0	0	1	2	1	4	2	6
45SW	Tolling	0	0	0	0	1	4	1	4
183N	Tolling	0	0	0	0	3	12	3	12
183N	ITS	0	0	46	92	0	0	46	92
Total:								**141**	**330**

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STATEMENT OF WORK - Toll Cabinets

Total Number Of Cabinets for 183A Ph3:

Roadway	Deployment	1-Door Cabinet		2-Door Cabinet		4 - Door Cabinet		Total	
		No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total No. of Cabinets	Total No. of Doors
183A Ph III	Tolling	0	0	0	0	10	40	10	40
183A Ph III	ITS	4	4	11	22	0	0	15	26

40 = Cameras
66 = Doors Total

Lp1502 = 25

Mr52 = 10

1. Project Planning and Site Assessment

- **Site Survey**: Inspect the installation site to assess physical space, power requirements,and any structural considerations.
- **Space Evaluation**: Measure the space and confirm adequate clearance and accessibility for installation.
- **Project Planning**: Outline the full project timeline, including milestones for delivery, installation, and testing.

2. Design and Engineering

- **Power / Data Layout**: Design the data distribution to ensure uniform power delivery and stable data connections to each Server.

3. Servers (AI Servers, VI Servers, and Access Control Server)

- **System Configuration**: Set up the video and access control systems and settings. (Will Train CTRMA)
- **Content Management System (VMS)**: Install or configure the VMS for managing and scheduling displayed content.
- **Video Calibration**: Adjust brightness, contrast, and color uniformity across panels to ensure consistent image quality.

4. Software Configuration

- **Input Source Configuration**: Configure video inputs and outputs from the media player, streaming sources, or other AV equipment.
- **Control System Programming**: Set up software for user-friendly control, such as switching inputs, scheduling, and adjusting settings. Will also work with CTRMA to set up AI analytics and system rules for the access control and video management software.

5. Training and Handover

- **Training**: Train users on system controls, content management, and basic troubleshooting.
- **Documentation**: Provide comprehensive documentation covering system setup, maintenance, and troubleshooting.
- **Maintenance Schedule**: Outline a recommended schedule for cleaning, maintenance, and inspection.

6. Post-Installation Support

- **Warranty and Support**: Provide warranty details and contact information for ongoing support.
- **Remote Monitoring (if applicable)**: Set up remote monitoring for diagnosing and addressing issues.
- **Onsite Troubleshooting**: Offer support options for addressing hardware or software issues post-installation.

STATEMENT OF WORK - Toll Cabinets

Bill of materials:

- HES locks
- Type 2 Brackets – Custom CTRMA Cabinet brackets
- Latchbolt Throw: 1/2" Lock Type: Cylindrical Lock Wired - Wiegand for ILP Toll walk in buildings.
- Door/cabinet contacts
- Access control boards (MC-LP1502) and (MC-MR52-S3B)
- Video Surveillance Cameras (i-PRO)
- blue tooth Readers – one per door – with 100 BT licenses 3y

- Cable: CAT6 and Access Control Cable
- Patch cords 3ft
- LSP Rack mounted enclosure 300 - (Gemni unified rack mounted system)

This Quote is for a one trip and turnkey install for all 25 cabinets. Any Cabinet that is not ready for install once STS team has been deployed and requires additional trips is subject to a change order for each additional trip. This also applies to any cabinets that are faulty and in need of repair that causes a delay prior to the arrival of STS for deployment once deployed.

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
MC-LP1502	I-Pro	Intelligent Controller (2 Rdrs, 8 Inputs, 4 Outputs)	25	$2,279.94	26.85%	$1,667.85	$41,696.25
MC-MR52-S3B	i-PRO	Reader Interface Module - Series 3B (2 Rdrs, 8 Inputs, 6 Outputs)	10	$1,043.40	26.85%	$763.28	$7,632.80
WV-S32302-F2L1	i-PRO	2MP INDOOR VANDAL DOME CAMERA WITH AI ENGINE, H.265/H.264/MJPEG, 2.4MM FIXED LENS, IR LED, BUILT-IN MICROPHONE, IP66, IK10, FIPS 140-2 LEVEL 3 COMPLIANT, 5 YEAR WARRANTY, VIDEO INSIGHT 7.9.X OR HIGHER, BLACK COLOR	40	$512.81	28.31%	$367.64	$14,705.60
630REL-XT1130	HES	RUGGEDIZED ELEC MAG DEADLOCK CABINET LOCK	66	$1,299.00	44.93%	$715.38	$47,215.08
STS-Cust-DH	STS360	Type 2 Brackets - Custom	66	$125.00	50.00%	$62.50	$4,125.00

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
RGM75B-M8PNZ	Lifesaftey power	RGM75B-M8PNZ is a dual voltage, power supply-battery charger system. The unit is configured in a painted, steel, locking enclosure with tamper switch and integral battery space, and provides 2 FPO power supplies, each of which can be set for 12 or 24V. A	25	$1,801.00	28.16%	$1,293.83	$32,345.75
20NKS-00-000000	HID	SIGNO 20,BLK/SLVR,PIG,CRD PFL STD,MA RDY,FMT:ASP10022,WIEG,32-B MSB,EM:32-B,LED:RED,FLSH:GRN,BZR,SRF:ON,IPM:OFF,VEL:OFF,TAP	66	$412.58	42.22%	$238.38	$15,733.08
31951099	Honeywell	18-4+22(2+4+6)1S CMP PROFN 1M	3	$1,099.00	17.38%	$907.97	$2,723.91
77-240-2B	Superior Essex	4x23 CAT 6 CMP Blue 1,000ft Box	3	$499.00	30.04%	$349.08	$1,047.24
1076D-M	Edwards Signaling	Flush Brown Door Position Switch (contact) DPDT	66	$88.00	41.25%	$51.70	$3,412.20
N238-001-BL	Tripplite	Cat6/Cat5e 110 Style Punch Down Keystone Jack - Blue, TAA	40	$7.10	53.66%	$3.29	$131.60
N201-003-BL	Tripplite	Cat6 Gigabit Snagless Molded (UTP) Ethernet Cable (RJ45 M/M), PoE, Blue, 3 ft. (0.91 m)	40	$6.62	53.78%	$3.06	$122.40
MISC	STS360	Misc. Accessories and Consumables	1	$32,900.00	50.00%	$16,450.00	$16,450.00
TPM	STS360	Technical Management and System Programming	1	$57,230.00	50.00%	$28,615.00	$28,615.00
LABOR	STS360	Project Implementation and Installation	1	$271,205.55	50.00%	$135,602.78	$135,602.78
WAR0001	STS360	1 Year Onsite Parts and Labor Warranty	1	$55,680.00	50.00%	$27,840.00	$27,840.00

Subtotal: **$379,398.69**

183A Ph III - Access Control and Video Surveillance Solution for Toll Cabinets

Prepared by:

STS360

Chandler Rawlings
940-366-5831
Fax (866) 223-8167
Chandler@sts360.com

Prepared for:

Central TX Regional Mobility Authority

3300 N IH-35 Suite 300
Austin, TX 78705
Cory Bluhm Bluhm
(979) 220-2551
cbluhm@ctrma.org

Quote Information:

Quote #: STS360STS002984

Version: 1
Delivery Date: 02/04/2025
Expiration Date: 02/23/2025

Quote Summary

Description	Amount
DIR-CPO-4770	$379,398.69
Total:	**$379,398.69**

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors. Net 30-Day Payment standard.

STS360

Signature: _____

Name: Chandler Rawlings

Title: Sales Representative

Date: 02/04/2025

Central TX Regional Mobility Authority

Signature: _____

Name: Cory Bluhm Bluhm

Date: _____

STS360 PROPOSED PAYMENT SCHEDULE

CTRMA - Toll Cabinets	BILLING PHASE			
MILESTONE	**Invoice 1**	**Invoice 2**	**Final Invoice**	**TOTAL**
1. Hardware	$ 170,890.91			$ 170,890.91
2. Per Roadway Completion		$ 187,657.00		$ 187,657.00
3. Final Sign Off and Completion (10%)			$ 20,850.78	$ 20,850.78
Totals Per Billing Phase	$ 170,890.91	$ 187,657.00	$ 20,850.78	**$ 379,398.69**

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SERVICE LEVEL AGREEMENT

STS360 has provided a 1-year full hardware and labor onsite warranty for all STS360 supplied and installed components. STS360 warranties and guarantees all products, material, labor and work done for the Customer on this project. All new hardware and installation will be covered under the 1-year onsite warranty. All warranty replacement, installation, integration, maintenance, and required testing will be provided at no cost to The Customer within this 1-year period. STS360 is offering a 24/7 toll free service support line, 4-hour engineer on phone response and 48 hour onsite response.

I. SUMMARY

MISSION STATEMENT

STS360, or CONTRACTOR, will provide the Customer, hereby and here on referenced to as the OWNER, the establishment of procedures in which to successfully fulfill Surveillance and Security Systems maintenance services via improvement of existing support processes, scheduling of implementations, and expedient fulfillment.

SERVICES OVERVIEW

STS360 will provide a comprehensive 1-Year Onsite hardware and labor warranty in conjunction with this project. STS360 warranties and guarantees all products, material, labor, and work done for the Customer under this project. All warranty replacement, installation, integration, maintenance, and required testing will be provided within this 1-Year period unless outside of the terms specified below. STS360 is offering a 24/7 technical support toll free number for service. STS360 guarantees a 2-hour engineer on phone response for phone troubleshooting and a 48-hour onsite response for all warranty service or per the terms of the contract. STS360 has included dedicated service technicians for this project as part of this proposal. This will greatly reduce the response and service times. STS360 will stock spares (see scope for list).

DESCRIPTION OF SERVICES

Beginning upon final acceptance of project, STS360 will provide to OWNER the following services (collectively, the "Services"):

1. STS360 will provide 1-Year onsite labor warranty on all provided hardware and labor and integration services are warranted through STS360 from the date of final acceptance. It will not include the cost of parts and labor for OWNER not adhering to the standard terms or outside of specified terms and conditions of this contract. Parts installed by STS360 will be serviced according to their existing manufacturer's warranty; components not provided or installed by STS360 and outside the terms of Manufacturer warranty and subject to Purchase Order. Service calls will be billed when these incidents are approved by both parties. (this only refers to the need for new components not originally procured or installed by STS as apart of the original scope/project to fix an issue)
The proposed and accepted response terms of this warranty contract are:

LEVEL 1 SUPPORT:

- A Toll-free number to reach a live Technical Service Representative 24x7x365.
- A Return call from on-call Systems Engineer / Technician within 4 Hours for remote or phone support.

LEVEL 2 SUPPORT:

- Additional Troubleshooting is needed; technician is dispatched onsite within 48 hours to resolve the problem.
- Optimization, Maintenance and Quality Checks performed when techs are onsite

LEVEL 3 SUPPORT:

- Problem is understood and diagnosed, equipment / materials needed to repair / resolve the issue on hand, technician is dispatched onsite within 48 hours from level 2 dispatch
- All Level 3 services to be 100% closed and resolved within a maximum of 72 hours (does not apply to Force Majeure incidents or when manufacturer lead times are delayed).
- Optimization, Maintenance and Quality Checks performed when techs are onsite

2. All hardware, software, material and other warranties past this 1-Year contract term, and not renewed in an additional warranty contract year through STS360, will be the sole responsibility of the OWNER to contact the manufacturer directly to obtain replacement, repair or technical support.

ACCESS TO DATA AND COMPUTERS

On request, OWNER agrees to provide Contractor with evidence of a programming error, if the Contractor is unable to replicate the issues reported in a work order. Recipient further agrees to provide Contractor with access to OWNER computers, servers, networks, view stations, cameras and sufficient computer time to enable Contractor to duplicate the problem, determine that it results from a warrantable cause and, after corrective action or replacement has taken place, and determine that the problem has been alleviated. STS360 also requires that OWNER allow access to stored data, upon notification, and the ability to remove data that is causing conflicts and/or inhibiting the ability to repair system to its full functionality.

MODIFICATIONS EXCLUDED

Contractor shall not be obligated to provide support services pursuant to this Contract with respect to any modifications of the Software, configurations of the systems, new applications, additional hardware outside of scope, operating systems, and other adjustments made for any reason during the service contract by OWNER or to any computer program incorporating all or any part of this system.

COSTS AND EXPENSES

If terms in this contract for warranty / maintenance and services are determined to not be met by owner, when technician is on site, all work on the service will be put on hold until a purchase order is issued for the work needed to be performed to correct the issue. Parts and service labor will be covered by STS360 for any failure that is proven to be a failure in material or workmanship under normal use during the applicable warranty period. This coverage is limited to parts and labor. The warranty for replacement parts is limited to direct replacement. STS will not bill for a service call within the term of this SLA.

TERM PERIOD

This Contract will remain in effect for a period of (12) Months or (1)-Years from the date of final acceptance. This SLA can be extended year to year or multiple years after the 1 year term is up.
SLA renewal quotes will be generated before the expiration of of current term.

CONFIDENTIALITY

STS, and its employees, agents, or representatives will not at any time or in any manner, either directly or indirectly, use for the personal benefit of STS, or divulge, disclose, or communicate in any manner, any information that is proprietary to Owner. STS360 and its employees, agents, and representatives will protect such information and treat it as strictly confidential. This provision will continue to be effective after the termination of this Contract.

GENERAL WARRANTY

STS360 shall provide its services and meet its obligations under this Contract in a timely and workmanlike manner, using knowledge and recommendations for performing the services which meet generally acceptable standards in STS's community and region, and will provide a standard of care equal to, or superior to, care provided by Contractors similar to STS360 on similar projects. Contractor shall not be liable for any delay in performance directly or indirectly resulting from acts of Owner, its agents, employees, or subcontractors.

HARDWARE SUPPORT STS360 warrants to the original purchaser (PURCHASER) that each product of its manufacture (PRODUCT) is covered by this warranty from the date of delivery if properly installed, serviced, and operated under normal conditions. Any part or parts there of replaced during the base warranty period assumes the remainder of that warranty period or the parts warranty period, whichever is greater. The warranty coverage for the PRODUCT is continual from the original date of purchase and does not restart upon the replacement of any part or complete unit. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA. Parts and service labor will be covered by STS360 for any failure that is under normal use during the applicable warranty period. This coverage is limited to parts and labor. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA.
The warranty for replacement parts is limited to direct replacement.

STS360 reserves the right to repair or replace any part, component, or assembly at its option. STS360 may request defective parts be returned for examination before the issuance of credit. Any item that is replaced under warranty becomes property of STS360. ***PROCESS FLOW*** OWNER experiences issue with Security Equipment. (While all this information is not mandatory, STS will need details in regard to the issue in order to rectify the issue. STS will have all system documentation, STS will just need general information of the issue)

1. OWNER submits a request to STS360 24/7 TSG (technical support group) describing the following:
   - **a.** OWNER / Department / Site Name
   - **b.** Point of Contact (OWNER PoC) Information and Title
   - **c.** Pertinent Information relating to service request
   - **d.** If available, Device IP Number / Camera Number / Reader Number
   - **e.** Device Location
   - **f.** Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules site visit with provided PoC.
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist and schedules visit.
4. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
5. STS360 Security Specialist evaluates location, troubleshoots issue.
   - **a. Troubleshooting fixes Issue** – STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   - **b. Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component.
     - **i. IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
     - **ii. IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
     - **iii. IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
       a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (see Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (see Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist to return and resolve issue.
9. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.
11. STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket status, notes, and uploads final acceptance sign-off document.

12. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.

SOFTWARE SUPPORT

STS will need general information of the issue.

PROCESS FLOW

OWNER experiences issue with Security Software.

1. OWNER submits a request to STS360 TSG (technical support group) describing the following:
   g. OWNER / Department / Site Name
   h. Point of Contact (OWNER PoC) Information and Title
   i. Pertinent Information relating to service request
   j. If available, Device IP Number / Camera Number
   k. Device Location
   l. Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules Security Specialist/Engineer Remote-In/Onsite Session with provided PoC (SEE Statement of Work/Access to Data and Computer).
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist/Engineer and schedules Remote-In/Onsite Session internally.
4. STS360 Security Specialist/Engineer calls OWNER PoC to inform of Remote-In/Onsite Session.
5. STS360 Security Specialist/Engineer evaluates system status, troubleshoots issue.
   a. **Troubleshooting fixes Issue** – STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   b. **Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component (SEE Asset Management/LifeCycle Maintenance).
      i. **IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
      ii. **IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
      iii. **IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
         a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (SEE Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (SEE Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist/Engineer to return and resolve issue.
9. STS360 Security Specialist/Engineer calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist/Engineer replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.

11. STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket status, notes, and uploads final acceptance sign-off document.
12. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.

III. PARTY COMMUNICATIONS

PLACING A WORK ORDER REQUEST

Call Toll Free: (866) 506-7446

Email: technicalsupport@sts360.com

Our Technical Support Group (TSG) is there for you 24x7x365 and is just a phone call away. A live person will answer immediately, do some basic troubleshooting, and generate a work order while the OWNER is on the phone with TSG representative. If they are unable to assist you to a successful fix of the issue, they will immediately reassign the work order to, and contact the appropriate Level 2 support personnel who will be in contact within 2 hours or less to help resolve the issue, direct you to submit an RMA, and/ or dispatch an on-site technician. STS360 requests the party submitting the work order have some of the following information ready when calling the TSG, because the more information provided, the better we can assist in resolving the issue more expeditiously.

STS360 will request the following information in order to expedite service.

- OWNER / Site Name
- Your Contact Information and Title
- Sales Invoice / Work Order / Or Purchase Order Number (if available)
- Pertinent Information relating to your service request
- Device IP Number / Camera Number
- Device Location
- Description of issue / concern

OWNER POINT OF CONTACT

1. OWNER agrees to provide STS360 a Project Manager as the Primary Point of Contact
2. OWNER's Primary POC will be responsible for resolving financial or business issues outstanding and assist in facilitating final acceptances.
3. OWNER agrees to provide all STS360 necessary system documentation for access to existing systems
4. OWNER agrees to provide logins or access to any Ticketing or ERP system used by the OWNER at no charge to STS360.
5. OWNER agrees to provide assistance in coordination of departmental resources necessary for successful fulfillment.

IV. ASSUMPTIONS AND EXCEPTIONS

Services or Work Product will be deemed acceptable to OWNER if it conforms in all material respects with Services described in this project or Bill of Materials. STS360 will have full responsibility for the deliverables and the tasks listed in each project or Bill of Materials.

OWNER will complete a review of each submitted deliverable within five workdays from the date of delivery. OWNER feedback which indicates revisions to a deliverable are required will be addressed and re-submitted by STS360 within five workdays unless approval (in writing) for a different length of time is obtained from the OWNER or designate.

OWNER will either accept or reject STS360's Services or Work Product within a reasonable number of days from performance. For this Project, Services or Work Product will be accepted or rejected within 5 days from delivery completion date. Failure to provide acceptance or rejection within 5 days will be considered acceptance of the deliverable. If OWNER gives notice of rejection, then STS360 will have an additional five days, within which to cure any deficiencies identified in writing by OWNER.

STS360 reserves the right to accept or reject OWNER requested tasks that may result in STS360's incurring of legal liability beyond the scope of STS360's offered Services. STS360 is required to respond with reason for objection and propose an alternative solution when available.

V. CHANGE REQUESTS

CHANGE REQUEST PROCESS

STS360 works very efficiently to provide quality estimates from the start of an evaluation. However, if an agreed upon Scope of Work has a mutually agreed change or addition to agreed SOW, STS360 will propose a resolution in the form of a Change Order that, if verified, accepted and signed by OWNER, will be prioritized in schedule and performed by STS360.

Next Page – See a Change Order Form Sample

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

CHANGE ORDER FORM SAMPLE

OWNER NAME:
OWNER ADDRESS:
PROJECT #:
PROJECT NAME:
PROJECT LOCATION:

STS360 PROJECT MANAGER:
OWNER APPROVER:

DATE CHANGE ORDER SUBMITTED:
CHANGE ORDER REFERENCE NUMBER:

STS360 submits this change order for the above referenced project. This change order is deemed (billable / non billable / price decrease) to the OWNER of this project. This change order is subject to the terms and conditions of the original contract. This change will not in any way impact the original scope outside of the indicated changes below. This change order will not impact warranty, and will be included in final project warranty if accepted. The purpose of this change order request is to agree that changes to the scope are requested and to seek approval by the OWNER of this project. A Purchase Order or signed agreement at the bottom of this page will be required to fulfill this change order for the above referenced project. See attached revised Scope of Work and Pricing Revision (if billable / price decrease.)

Change Item	Change Description	Product Description	Part Number	Qty
1				
2				
3				

Above is Sample, please revise as per the scope of each change order (add or delete change items as needed as well. Any scope, warranty and/or price changes must be included in detail in appendixes to be attached and identified above. Please customize each section as needed. Please delete these notes before submitting)

OWNER: _____ CONTRACTOR: STS360 _____

Approved by: _____ Approval Received by: _____

Date of Approval: _____ Date Received: _____

Name: _____ Name: _____

Title: _____ Title: _____

Department: _____ Department: _____

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

TERMS AND CONDITIONS

STS360 complies with the related Terms and Conditions put forth on the Texas Department of Information Resources website. For services rendered by STS360, compliance under this Statement of Work is met by current DIR or Buyboard Contract being utilized or its successive renewal by STS360 with the State of Texas Department of Information Resources.

STANDARD MAINTENANCE AND SERVICE TERMS AND CONDITIONS

1. This is a warranty and not an insurance policy. This warranty does not take the place of the client's general liability insurance.
2. All warranties exclude remedy for damage or defect caused by abuse, tampering, vandalism, improper or insufficient maintenance, improper operation.
3. The client is responsible for any damage to any improvement, fixture or property not constructed, installed or included in maintenance contract scope by STS360 that may cause the need for repair to the STS360 installed equipment, materials, hardware, etc. (e.g. – damaged ceiling is leaking onto network equipment, STS360 should not be liable to fix the ceiling leak as well as the STS360 equipment).
4. The client will be required prior to repair of unwarranted issue to hold STS360 free of any liability from the cause of the original problem
5. Warranty does not include drainage deficiencies at the job location / location of equipment / material (e.g. – drainage is damaged on facility and run-off of rain water overwhelms drainage and therefore begins draining directly on our equipment where there'd been no point of drainage prior during project installation).
6. Warranty does not include any landscaping issues that cause loss of effectiveness of security after project acceptance (e.g. – Client decides to forego cutting back trees or plants new trees or bushes that grow in front of camera placements, diminishing intended Field of View)
7. Warranty does not include any defects or deficiency caused by materials, design, construction, or work supplied by other than the STS360 outside of the contract scope
8. Warranty does not include changes, alterations or additions made to the installation by anyone other than those performed under obligations of this warranty;
9. Warranty does not include deficiency or defects caused or made worse by the Client's, employees, patrons, or any other party than STS360 during the service contract.
10. Warranty does not cover any deficiencies or defects in workmanship, materials or structural portions normally covered by another warranty or insurance policy whether or not paid by such warranty or insurance policy (e.g. – Client employee repairs something in the electrical room, and because of poor workmanship causes pipes to burst damaging significant portions of our system and the facility / structure and owners insurance doesn't cover it, STS360 should not be liable for the cost to cover damaged equipment caused by workmanship or structural problems on the facilities)
11. Warranty does not cover deficiency or defects resulting from accidents, riot, civil commotion, terror attacks, war, or Acts of God; including but not limited to fire, explosion, smoke, water escape, windstorm, mudslide, erosion, hail, lightning, hurricanes, tsunamis, falling trees, aircraft, vehicles, flood, earthquakes, sink holes, underground springs, volcanic eruptions, saturated soils or change in the level of the under-ground water table.
12. Warranty does not cover any contamination caused or created by natural or man-made chemicals, compounds, or substances used by the client or breakdown or adverse effects of chemicals, compounds, or substances used.

13. Warranty does not cover pest damage including but not limited to termites, rodents, cockroaches and ants
14. Warranty does not cover any damage caused by water intrusion, including but not limited to roof leaks, window sealants, plumbing
15. Warranty does not cover heat damage, damage caused from dust build up, dampness or condensation due to clients' failure to maintain adequate ventilation.
16. Warranty does not cover any loss, damages or other condition which is not a deficiency or defect of the systems functionality.
17. Warranty does not cover consequential damage: Any property damage or bodily injury which follows as a result of structural damage, or other defects covered under this warranty including defects in workmanship that was not originally installed by STS360 (e.g. – something occurs in relation to structural or poor workmanship from the client or other contractor, causing our equipment to malfunction and cause bodily or property damage, such as a camera coming loose and falling on a person or property.)
18. Warranty does not cover any loss or physically inflicted damage which is not a construction deficiency or defect, including but not limited to chips, scratches, and dents in materials, fixtures, appliances, or other types of equipment
19. Warranty does not cover failure by the client to give notice to the Contractor regarding deficiencies or defects within a reasonable time or as specified in the clients' warranty contract;
20. Warranty does not cover negligence and/or improper maintenance, or improper operation of items warranted under this warranty
21. Warranty does not cover failure of the clients or any client or third-party representative to comply with the warranty requirements of manufacturers of hardware, software, equipment, materials, or fixtures
22. Warranty does not cover any loss or damage which the client(s) have not taken reasonable timely actions to minimize;
23. Warranty does not cover any dispute received by Contractor later than 30 days after the applicable Warranty Expiration Date for claimed items of deficiency or defect;
24. Warranty does not cover any alleged deficiency or defect for which there is no evidence of deficiency or defects at the time of the claims investigation; or which has been repaired prior to a claim
25. Warranty does not cover any condition which does not result in actual physical or functional damage to the warranted equipment, materials, hardware, software, materials or fixtures.
26. Billable costs may occur if STS360 Technicians are denied entry to facility and/or when appointments are not cancelled within 24 hours of arrival. Should it be no fault of the client in the event of an unforeseen circumstance (act of God, serious incident / crime, or other unforeseen circumstance), and STS360 will excuse the charge but requests to be contacted as soon as possible to cancel the appointment.
27. STS360 cannot be held liable for unresponsiveness to work orders that are not reported and/or escalated through the proper chain of communication by OWNER in this warranty agreement.

HID Mobile BLE is an app-based solution that uses Bluetooth Low Energy to transmit secure credentials to the reader.

The end customer submits contact info to set up an HID Origo web portal using the link below. They will get an email that gives them an ORG ID and MOBKEY. This is what is needed to order credentials. The MOBKEY should be loaded into a mobile-capable reader. This can be done before an order to come preloaded, or after receipt.

- Here is a YouTube video that shows the process to Onboard and have a technician put the end user's mobile key onto a Mobile Reader: https://www.youtube.com/watch?v=cLVjAGt7a2s
- All Signo have the functionality innately and SE readers could have been ordered that way or may have the potential of an upgrade using an upgrade kit – we can work together to confirm that potential).

https://portal.origo.hidglobal.com/selfonboarding/

After registering you will get the EUORG ID and MOBKEY required for ordering mobile credentials

Customers order subscription-based "seat" licenses in 1 or 3-year plans. Customers can add additional licenses at a prorated cost within that subscription period. This is available for a customer with a rollout plan that is not immediate for all users. We can help with the specifics of the cost for add-ons if they advance in that fashion.

- MOQ for any plan or add-on is 20. You can do anything 20 and above, but it must reach 20.
- When ordering you will give part detail as well as End User Name, ORG ID and MOBKEY (established in onboarding) and a format that you will be using for the licenses
    - The format must be a tracked format that allows for Next Number Up issuance. We can make a 26-bit H10301 a TRK-H10301 tracked license. Every future order would need the ORG ID and TRK-H10301 number.
    - There is no charge currently for CORP 1000 on mobile license orders
- It is good to understand that a mobile credential and a physical credential will register as the same user if the format information is the same.
    - The issuance and revocation features of the Origo portal allow a user to churn through as many credentials as are needed as long as they do not go past the licenses available – each re-issuance will grab a new number in the "pot" of credentials.

Subscription Licenses:

Item Number	Description	Min Order Qty
MID-SUB-T100	**1-YEAR** USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	**3-YEAR** USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Add-Ons (only used if the customer is adding additional licenses in the above subscription periods):

Item Number	Description	Min Order Qty
MID-SUB-T100-ADD	ADD-ON USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	3-YEAR USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Many of our OEM head-end partners do have integrations into HID Origo. These integrations may make it possible to issue and revoke credentials from the head-end software. The hooks into HID Origo may make it not necessary to manage out of the portal. This would help to not have to manage the two systems in what we call a swivel chair approach. Swivel chair approach = issuing a credential, swiveling over to the access software, entering the user, and the opposite if you are removing a user. The Head End OEM Partner owns this integration, the set-up procedures and functionality as well as the detail of pricing or inclusion in versions of their software.

Extra info:
Short Video Tutorial of the portal:
https://www.youtube.com/watch?v=Zslg66u5qM0&list=PLaI1sYdMpc6qrAwlJHGd1xql3eWv0wnbf&index=10

HID Video Showing mobile and Twist and Go for longer range access:
https://youtu.be/ztkngP5jfjI

HID Mobile Access -Getting Started
https://www.youtube.com/watch?v=F906cOELCwg

HID Mobile Access FAQ
https://doc.origo.hidglobal.com/faq/portal/HID_Mobile_Access_FAQ.pdf

Demo of Reader Manager and how it is used:
https://www.youtube.com/watch?v=bQsQqqvqDPU&feature=youtu.be

PHYSICAL ACCESS SOLUTIONS

multiCLASS SE® Readers

multiCLASS SE readers include Open Supervised Device Protocol (OSDP), a new Security Industry Association (SIA) standard that together with Secure Channel Protocol (SCP) provides secure communications and central management.

HIGHLY ADAPTABLE AND SECURE HIGH FREQUENCY ACCESS CONTROL SOLUTION

- **Powerfully Secure** – Provides layered security beyond the card media for added protection to identity data using SIOs.
- **Adaptable** – Interoperable with a growing range of technologies and form factors including mobile devices utilizing Seos™.
- **Interoperable** – Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.
- **Streamlined Migration** – Simultaneous support for 125 kHz HID Prox®, AWID and EM4102 for seamless migration; field programmable for secure upgrades and extended lifecycle.

HID Global's iCLASS SE® platform goes beyond the traditional smart card model to offer a secure, standards-based and flexible platform that has become the new benchmark for highly adaptable, interoperable and secure access control solutions.

multiCLASS SE® readers simplify migration from legacy technologies with support 125 kHz for HID Prox, Indala, AWID and EM4102, and provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent readers also support iCLASS® Seos™ and iCLASS SE credential platforms, as well as standard iCLASS, MIFARE and MIFARE DESFire EV1 with custom data models and other leading technologies.

Additionally, multiCLASS SE readers support mobile devices utilizing Seos, enabling a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

As part of HID Global's iCLASS SE platform that is based on the Secure Identity Object™ (SIO®) data model and Trusted Identity Platform® (TIP™), the powerfully secure multiCLASS SE readers offer advanced features such as layered security beyond the card media and tamper-proof protection of keys/cryptographic operations using EAL5+ secure element hardware.

POWERFULLY SECURE:
- Multi-Layered Security – Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- EAL5+ Certified Secure Element Hardware – Provides tamper-proof protection of keys/cryptographic operations.
- SIO Data Binding – Inhibits data cloning by binding an object to a specific credential.
- Secured communications using OSDP with Secure Channel Protocol.

HIGHLY ADAPTABLE:
- Mobile device support using card emulation – Enables HID access control.
- SIO Portability – Provides technology independence and portability to other smart card technologies.
- Upgradeable Hardware Connection – Allows all Wiegand-based communication readers to expand communication capabilities to OSDP, Hi-O and other bidirectional protocols.
- Field Programmable Readers – Provides secure upgrades for migration and extended lifecycle.
- Customization and management from a central location – Enables organization to make changes and manage all attached OSDP readers over RS485 wiring.
- Simultaneous support for 125kHz HID Prox, AWID and EM4102.
- Allows for support of future technologies.

SUSTAINABILITY AND MANAGEMENT:
- Intelligent Power Management (IPM) – Reduces reader power consumption by as much as 75% compared to standard operating mode.
- Recycled Content – Contributes toward building LEED credits.

INTEROPERABLE:
- SIO Media Mapping – Simplifies deployment of third-party objects to multiple types of credentials.
- Industry standard communications using OSDP.
- Custom programming support to read custom data models on MIFARE and MIFARE DESFire EV1 credentials.

SPECIFICATIONS

	RP10	RP15	RP40	RPK40
Base Part Number	900P 900L	910P 910L	920P 920L	921P 921L
Typical Read Range[1]	**13.56 MHz Single Technology ID-1 Cards – SIO Model Data**			
	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2: 1.2" (3 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2 1.2" (3 cm)	iCLASS Seos: 1.2" (3 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.7" (12 cm) MIFARE DESFire EV1/EV2: 2.0" (5 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.3" (11 cm) MIFARE DESFire EV1/EV2 1.6" (4 cm)
	13.56 MHz Single Technology Tags/Fobs[5] – SIO Data Model			
	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 2.4" (6 cm) MIFARE Classic: 2.0" (5 cm)	iCLASS: 2.8" (7 cm) MIFARE Classic: 1.6" (4 cm)
	125 kHz Single Technology ID-1 Cards			
	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 3.1" (8 cm)
	125 KHz Single Technology Tags/Fobs			
	HID Prox: 1.6" (4 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 1.6" (4 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.4" (6 cm)
Mounting	Ideally suited for mullion-mounted door installations or any flat surface		Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Mounting Spacer	To be used when mounting on metallic surfaces, refer to How To Order Guide for part numbers			
Color	Black			
Keypad	No			Yes (4x3)
Dimensions	1.9" x 4.1" x 0.9" 4.8 cm x 10.3 cm x 2.3 cm	1.9" x 6.0" x 0.9" 4.8 cm x 15.3 cm x 2.3 cm	3.3" x 4.8" x 1.0" 8.4 cm x 12.2 cm x 2.4 cm	3.3" x 4.8" x 1.1" 8.5 cm x 12.2 cm x 2.8 cm
Product Weight (Pigtail)	4.0oz (114g)	5.2oz (149g)	7.8oz (222g)	9.1oz (258g)
Product Weight (Terminal Strip)	3.0oz (85g)	4.3oz (124g)	7.6oz (216g)	8.0oz (228g)
Operating Voltage Range	5-16 VDC, Linear supply recommended			
Current Draw - Standard Power Mode[2] (mA)	75	75	85	95
Current Draw - Intelligent Power Management (IPM) Mode[2] (mA)	40	40	50	70
Peak Current Draw - Standard Power or IPM Mode[2] (mA)	200	200	200	200
NSC[3] Power Consumption - Standard Power Mode (W @ 16VDC)	1.2	1.2	1.4	1.5
NSC[3] Power Consumption - w/ IPM (W @ 16VDC)	0.6	0.6	0.8	1.1
Operating Temperature	-31º to 150º F (-35º to 65º C)			
Storage Temperature	-67º to 185º F (-55º to 85º C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Environmental Rating	Indoor/Outdoor IP55; IP65 if installed with optional gasket (IP65GSKT)			
Transmit Frequency	13.56 MHz & 125 kHz			
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO®) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic (On by Default) - standard iCLASS Access Control Application (order with Standard interpreter) -ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN - MIFARE Classic and MIFARE DESFire EV1 custom data models - FeliCa™[4] CSN, CEPAS[4] CSN or CAN - MIFARE DESFire EV2 via EV1 backward compatibility			
125 kHz Card Compatibility	HID Prox[4], AWID[4], Indala, EM4102[4]			
Communications	Optional OSDP with SCP over RS485[4] Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use Shielded cable for best results			
Panel Connection	Pigtail or Terminal Strip			
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea)[4], NCC (Taiwan)[4], iDA (Singapore)[4], RoHS			
Cryto Processor Hardware Common Criteria Rating	EAL5+			
Patents	US7180403, US7439862, US7124943, US5952935, US6058481, US6337619			
Housing Material	UL94 Polycarbonate			
Manufactured with % of recycled content (Pigtail)	10.5%	11.0%	10.5%	10.9%
Manufactured with % of recycled content (Terminal Strip)	10.5%	11.0%	11.0%	12.3%
UL Ref Number	RP10E	RP15E	RP40E	RPK40E
Warranty	Limited Lifetime			

[1] *Read range listed is statistical mean rounded to nearest whole centimeter. HID Global testing occurs in open air. Some environmental conditions, including metallic mounting surface, can significantly degrade read range and performance; plastic or ferrite spacers are recommended to improve performance on metallic mounting surfaces.*

[2] *Measured in accordance with UL294 standards; See Installation Guide for Details.*

[3] *NSC = Normal Standby Current; See Installation Guide for Details.*

[4] *Not available on 9xxL part numbers.*

[5] *Supported Tags/Fobs - iCLASS, and MIFARE Classic*

hidglobal.com

North America: +1 512 776 9000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

2019-12-17-hid-multiclass-se-readers-ds-en PLT-00303

GEMINI™

Overview

The RGM75 Series is a 75W integrated 2U rackmount power system that incorporates system power, lock power and Mercury controllers.

RGM enclosures provide mounting for two Mercury controllers and multiple LifeSafety Power FlexPower® devices in an access control system capable of controlling four doors as a standalone or multiple doors when interconnected. LSP power modules are provided based on RGM model number and Mercury controllers are provided by the integrator based on the job requirements.

Available options include single (12 or 24V DC) or dual voltage operation (12 and 24V DC), power distribution and control, individual output protection by either fuses or class 2 power limiting, buffered lock control, and remote reporting and test. Each LSP output is protected against electrical surges caused by lightning or transients on the external wiring (SurgeShield™) and each LSP control output is individually selectable for available DC voltages, either failsafe or failsecure operation with fire alarm interface.

Optional network reporting capabilities include: operational fault status; power supply output; battery charging voltage; battery charging current; and fire alarm input status. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving or reducing the cost of on-site servicing.

The unit is intended for mounting within a standard four post EIA 19 inch electronics rack with a maximum depth of 36 inches.

MERCURY SECURITY

RGM 75 B - C8 M8 N Z / E

- GEMINI™ RACKMOUNT for MERCURY
- POWER (75 WATTS)
- 12V SECONDARY VOLTAGE
- DISTRIBUTION OUTPUTS
  - C4 - 4 controlled
  - C8 - 8 controlled
  - D8 - 8 auxiliary
  - M8 - 8 managed *Fused*
  - C4P - 4 controlled
  - C8P - 8 controlled
  - D8P - 8 auxiliary
  - M8P - 8 managed *Class II Power limited*
- NETWORK
- WIRE MGMT
- *For 230VAC Input*

c UL us CE RoHS compliant

Rackmount Features

- Integrated access system with lock and system power distribution
- Compartmentalized architecture for maximum reliability
- Rack drawer slide assembly simplifies controller wiring and maintenance
- Comprehensive wire management with tie down points and articulating bracket
- 120 or 230V AC user selectable input supports data center electrical systems

Configuration Options

- Single voltage or 12 and 24VDC dual voltage options cover all access functions
- Power distribution for either direct (D8) buffered (C8) or managed (M8)
- Individual output selection for failsafe, failsecure, lock voltage and fire alarm interface
- High capacity battery charge capability
- Automotive fuses for ease of service and replaceability
- Easy door expansion with multiple Gemini drawers
- Available companion battery housing for rackmount use (part number RBE)

Network Monitoring

- Monitor/alert power supply, battery operation and faults
- Remote test battery run time, low battery and time to service alert
- Monitor/power cycle individual outputs (M8N model)
- Monitor alert external room temperature

Fire Alarm Interface

- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed
- Voltage or Polarity Reversal Activation

Comprehensive fault detection and reporting

- May be connected into access controller or used standalone
- Form C contact transfer for AC Loss or brownout
- Form C contact transfer for abnormal system operation

Agency Listings

- UL, CUL, CE Access Control

Lifetime Warranty

Ordering

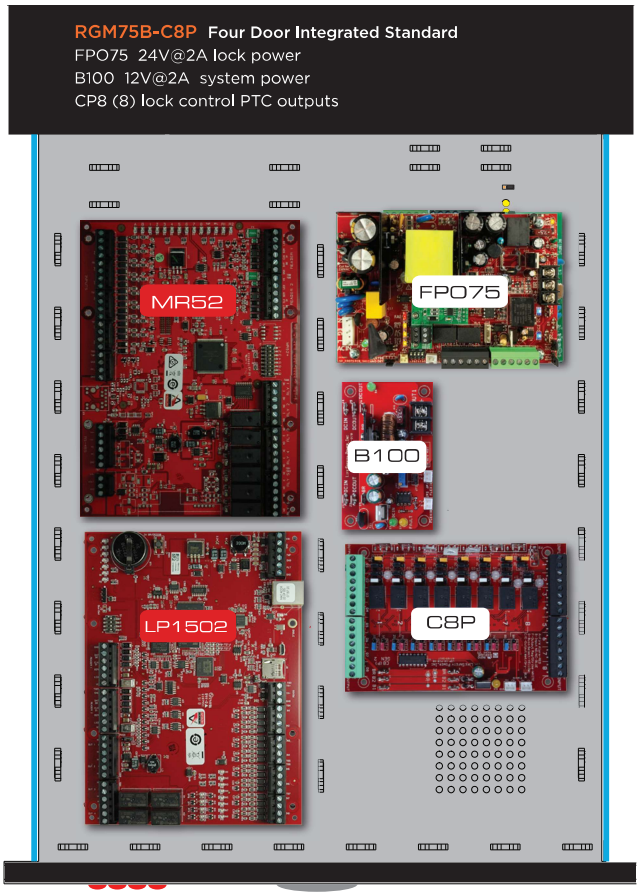
Model No.	Network	Voltage	Current	Internal Distribution: Bulk	Auxiliary	Control	Managed
RGM75-D8PZ		12V or 24V	6A/12V or 3A/24V	2	8		
RGM75-D8PNZ	Yes			2	8		
RGM75-C4PZ				2		4	
RGM75-CPZ				2		8	
RGM75-M8PNZ	Yes			2			8
RGM75B-D8PZ		12V and 24V	2A/12V and 2A/24V	2	8		
RGM75B-C4D8PZ				2	8	4	
RGM75B-C4D8PNZ	Yes			2	8	4	
RGM75B-C8PZ				2		8	
RGM75B-C8D8PZ					8	8	
RGM75B-M8PNZ	Yes			2			8

Single voltage - factory set to 12VDC
Dual voltage - outputs can be individually set for 12V or 24VDC
Networking - monitors power supply, battery set and relay control outputs
For CE 230VAC option, add " / E" suffix to model number, i.e RGM75-D8PZ / E

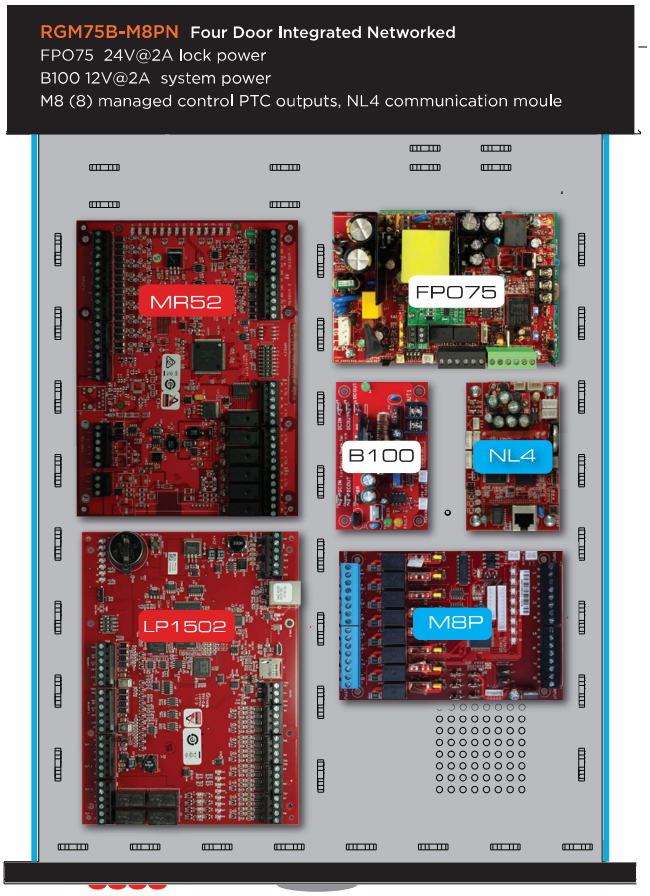
Specifications

Input Power	Input 120/230 VAC 50/60 Hz | 83 Watts Thermal overload protection / Short circuit protection
Output Power	RGM75 75 Watts: 6 amps at 12 VDC or 3 amps at 24 VDC *(factory default setting is 12VDC)* RGM75B 75 Watts: 2 amps at 12 VDC and 2 amps at 24 VDC *(factory set to 24VDC and 12VDC)* *(allows 1A per Mercury board, 0.50A per lock. If Mercury board draws less, lock power is more)*
Internal Power Distribution	D8/D8P eight auxiliary outputs: D8 fused at 3A/ea, D8P Class II Power limited at 2.5A/ea C4/C4P four control outputs: C4 fused at 3A/ea, C4P Class II Power limited at 2.5A/ea M8/M8P eight managed outputs: M8 fused at 3A/ea, M8P Class II Power limited at 2.5A/ea – *Individually selectable outputs on dual voltage systems*
Supervision	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts) System Fault, AC Fault, Ground Fault, Reverse Battery
External Indicators	AC on master on/off switch | Front Panel Mercury Status LEDs
Battery Charging	Maximum charge current 1.0 amp | Maximum battery capacity 40Ah Independent built-in charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Regulatory Compliance	CE, UL294 6th Edition, UL603, UL1076, ULC S318, ULC S319 (can mix and match Mercury and LSP modules togethr in any combination)
Access Panel Mounting	Two slots for LP1502, LP2500, MR52
BTU Rating	RGM75, RGM75B 33BTU/Hr
Physical Dimensions	2U rack mount (19.00"W x 3.50"H x 20.50"D) | Weight 24 lbs. | Z bracket wire management articulating arm

Drawer layout example of 4 door dual voltage



Drawer layout example of 4 door dual voltage managed system



INTERNAL POWER DISTRIBUTION options

D8 - DISTRIBUTED POWER TO Mercury

Eight individually protected power outputs
- *D8P Class 2 power limited at 2.5A per output*
- *D8 Fused at 3A per output*

Visual Indicators
- *DC Presence: Green LED per output*

Removable terminals
- *Accepts #12 to #24 AWG*

C4 - CONTROL OUTPUTS FOR LOCKS

4 access control trip inputs

4 individually protected lock control outputs
- *C4P Class 2 power limited at 2.5A per output*
- *C4 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

M8 - MANAGED OUTPUTS FOR LOCKS & Mercury

8 access control trip inputs
8 individually protected managed control outputs
- *M8P Class 2 power limited at 2.5A per output*
- *M8 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*
- *Activation or deactivation through software*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*
- *AC loss over ride for egress lock control*
- *Trigger points based on voltage or current values to send an alert via email or SNMP*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

FAULT DETECTION AND REPORTING

DETECTED FAULT CONDITIONS (ALL MODELS)

AC Power
- *AC loss, AC low, Master AC power switch*

DC Power and System
- *Abnormal or loss of power supply operation*
- *Over current, over temperature condition*
- *DC output high, low*
- *Battery Presence, Earth Ground (user optional)*
- *Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)*

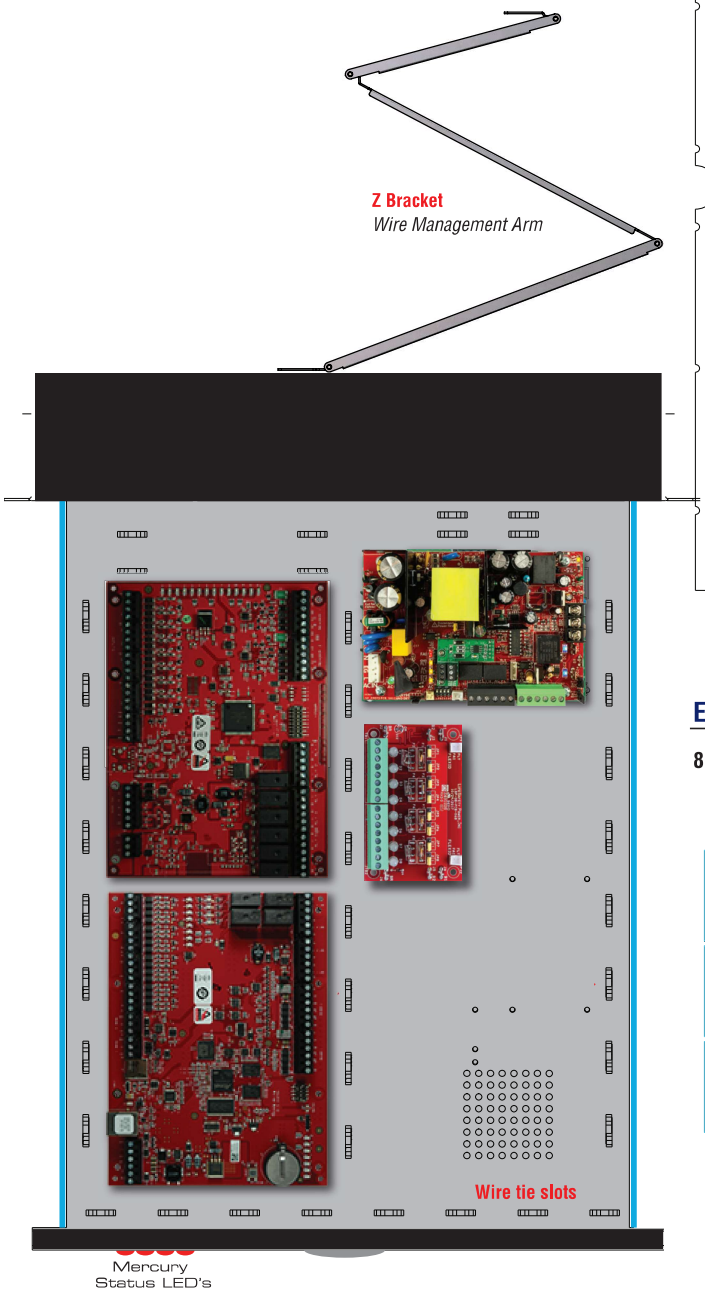
WIRE MANAGEMENT

Wire tie points

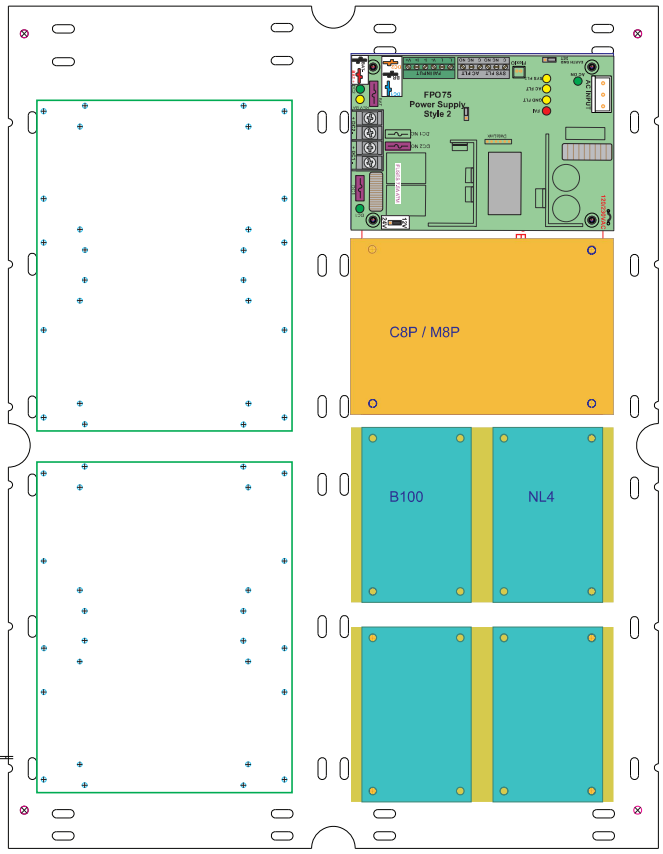
- *Drawer tie down points for access wiring*
- *Back chassis tie down points secures wire bundle*

Articulating arm

- *Z bracket with tie wrap points secures access wiring into drawer*



BACKPLATE CONFIGURATION OPTIONS



EXPANSION | BATTERY BACK-UP

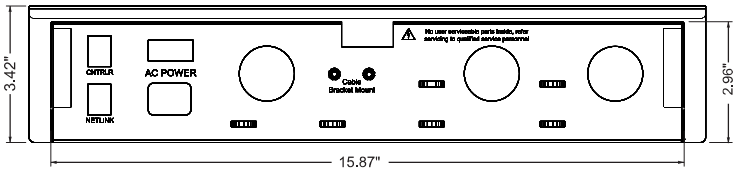
8 Doors

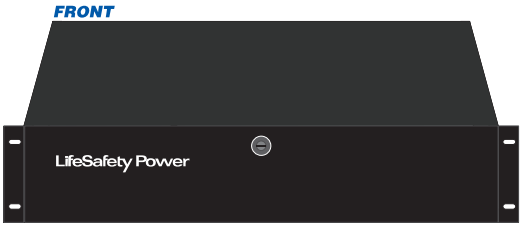
- *Stack multiple Gemini rack mounts for higher door counts*
- *Add RBE battery enclosure for battery back up*

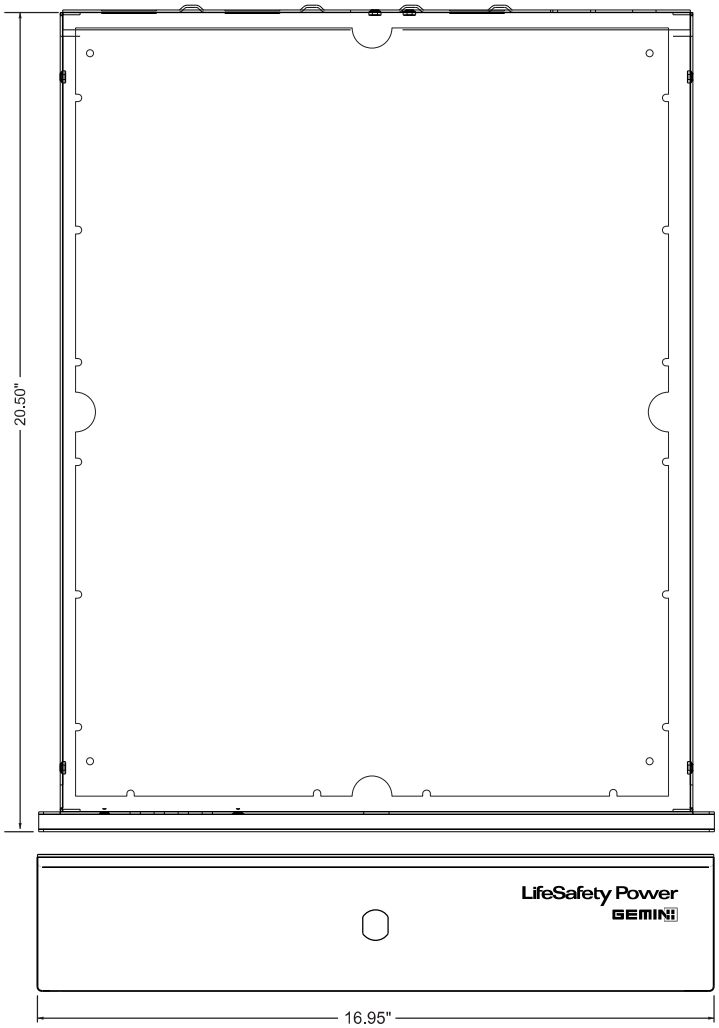
8 Doors w/battery back up

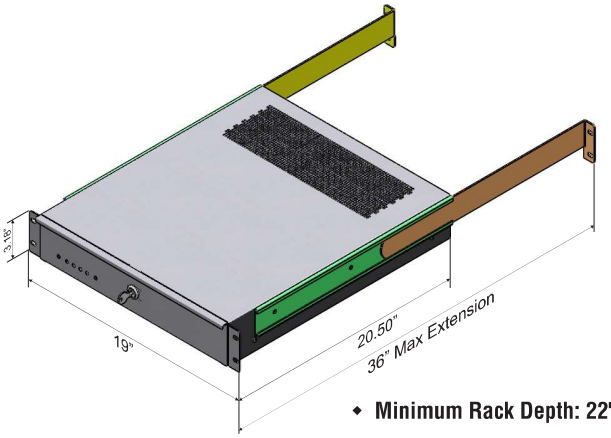
Mechanical

2U rack mount 19.00"W x 3.50"H x 20.50"D
Weight 27 lbs.

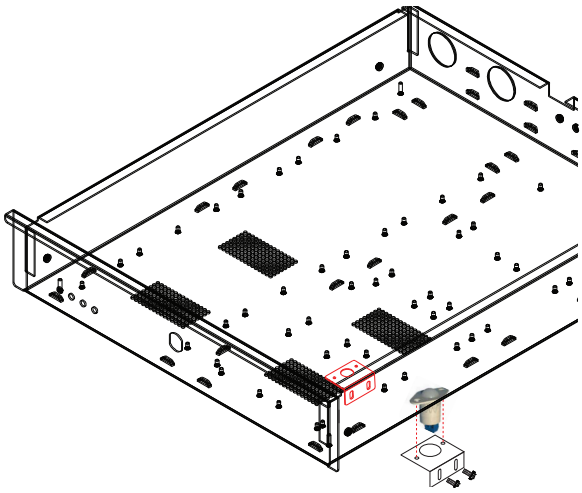








- **Minimum Rack Depth: 22"**



Included Tamper Switch

lifesafetypower.com

(888) 577-2898
info1@lifesafetypower.com

Specifications subject to change without notice.

P01-722A 07/22

LifeSafety Power
10027 S 51st Street, Suite 102
Phoenix, AZ 85044 USA

WV-S32302-F2L1

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All-in-one Compact dome camera with AI engine and IR-LED

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- Wide angle of view (Horizontal 132°)
- Built-in IR-LED (21m/69ft)
- Built-in microphone
- IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant

i-PRO

SPECIFICATIONS

Camera	
Image Sensor	Approx.1/2.8 type CMOS image sensor
Scanning Area	5.57 mm (H) × 3.13 mm (V) {7/32 inches (H) × 1/8 inches (V)}
Minimum Illumination	Color : 0.02 lx (30IRE, F2.1, 1/30s, AGC:11)* 0.03 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0019 lx (50IRE, F2.1, 16/30s, AGC:11)* BW : 0 lx (50IRE, F2.1, 1/30s, AGC:11, IR LED: On) 0.02 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0013 lx (50IRE, F2.1, 16/30s, AGC:11)* *Converted value
White Balance	ATW1/ ATW2/ AWC
Maximum shutter	60 fps/30 fps/15 fps mode: Max.1/10000s to Max.16/30s 50 fps/25 fps/12.5 fps mode: Max.1/10000s to Max.16/25s
Intelligent Auto	On / Off
Super Dynamic	On / Off, The level can be set in the range of 0 to 31. *1
Dynamic Range	144 dB max. (Super Dynamic: On, Level: 31)
Adaptive Black Stretch	The level can be set in the range of 0 to 255.
Back Light Compensation/ High Light Compensation	BLC/ HLC/ Off, The level can be set in the range of 0 to 31. (only when Super Dynamic/ Intelligent Auto: Off)
Fog Compensation	On/ Off, The level can be set in the range of 0 to 8. (only when Intelligent Auto/ Auto contrast adjust: Off)
Maximum Gain (AGC)	The level can be set in the range of 0 to 11.
Color/BW (ICR)	Off/ On(IR Light Off)/ On(IR Light On)/ Auto1(IR Light Off)/ Auto2(IR Light On)/ Auto3(SCC)
IR LED Light	High/ Middle/ Low/ Off Maximum irradiation distance : 21 m {Approx. 69 ft} (30IRE)* , 15 m {Approx. 49 ft} (50IRE) * Converted value
Digital Noise Reduction	The level can be set in the range of 0 to 255.
Video Motion Detection (VMD)	On/ Off, 4 areas available
Scene Change Detection (SCD)	On/ Off, 1 area available
Audio Detection	On/Off
AI Sound Classification	Selectable from Gunshot, Yell, Vehicle horn, Glass break
AI Analytics	AI Video Motion Detection, AI Privacy Guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Non mask Detection (prior to V2.70), AI Occupancy Detection, AI Scene Change Detection For details : https://i-pro.com/products_and_solutions/en/surveillance/products/analytics-software 3rd party applications are also available. https://i-pro.com/products_and_solutions/en/surveillance/solutions/edge-ai-platform/application-list
Privacy Zone	On/ Off, up to 8 zones available
VIQS	On/ Off, up to 8 zones available

Image Rotation	0° (Off)/ 90°/ 180° (Upside-down)/ 270°
Camera Title (OSD)	On/ Off, Up to 40 characters, Up to 2 Lines (alphanumeric characters, marks)

Lens	
Optical zoom	1x
Extra zoom	max 3.0 x (when resolution is 640x360)
Digital (Electronic) zoom	-
Focal length	2.4mm {3/32inches}
Angular Field of View	[16:9 mode] Horizontal: 132° , Vertical: 74° [4:3 mode] Horizontal： 99°, Vertical： 74°
Maximum Aperture Ratio	1 : 2.1
Focus range	0.5 m {19-11/16 inches} ~∞
Aperture range	F2.1

DORI	
Detect (25ppm / 8ppf)	17.1m / 56.1ft
Observe (62.5ppm / 19ppf)	6.8m / 22.4ft
Recognize (125ppm / 38ppf)	3.4m / 11.2ft
Identify (250ppm / 76ppf)	1.7m / 5.6ft

System on Chip (SoC)	
System on Chip (SoC)	Ambarella CV25M

Adjusting Angle	
Adjusting Angle	Horizontal (PAN) angle: -45°to +45° , Vertical (TILT) angle: 0°to +90° Azimuth (YAW) angle: -90°to +90°

Browser GUI	
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser *2	Microsoft Edge, Firefox, Google Chrome

Network	
Network IF	10BASE-T/100BASE-TX, RJ45 connector
Resolution	[16:9 mode(60 fps mode/ 30 fps mode/ 50 fps mode/ 25 fps mode)] 1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode(30 fps mode/ 25 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode/ 12.5 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA *Used by super resolution techniques
H.265/H.264 Transmission Mode / Type *3	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	[GOP(Group of pictures) control] Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced (Fixed GOP 60 seconds with 1 second Key frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control) *Advanced and Frame rate control are only available with H.265. [Smart VIQS] On(High)/On(Low)/Off [Smart P-picture control] On/Off
Audio Compression	G.726 (ADPCM): 32 kbps/16 kbps , G.711: 64 kbps , AAC-LC: 64kbps/96kbps/128kbps *4

Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, LLDP, FTP, SFTP, MQTT IPv4: TCP/IP, UDP/ IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Secure	FIPS 140-2 level 3 (NXP® EdgeLock® SE050F), Device Certificate GlobalSign® pre-installed, HTTPS, User authentication, Digest authentication, Host authentication, IEEE802.1X, System log, Image transmission log, Brute-force protection, Alteration detection, Signed Firmware
SDXC/SDHC/SD Memory Card (Option)	microSDXC memory card: 64 GB,128 GB,256 GB,512 GB microSDHC memory card: 4 GB,8 GB,16 GB,32 GB , microSD memory card: 2 GB
Mobile Terminal Compatibility	iPad / iPhone (iOS 8.0 or later), AndroidTM mobile terminals
ONVIF®Profile	G / M / S / T

Alarm	
Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output

Input/Output	
Monitor Output	-

General	
Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035
Power Source	PoE (IEEE802.3af Compliant)
Power Consumption	PoE DC 48V: 180mA / approx. 8.6W (Class 0 device)
Ambient Operating Temperature	0 °C to +40 °C {32 °F to 104 °F}
Ambient Operating Humidity	10 % to 90 % (no condensation)
Water and Dust Resistance	-
Shock Resistance	IK10 (IEC 62262)
Wind Resistance	-
Dimensions	109 mm (W) x 53 mm (H) x119 mm (D) {4-19/64inches (W) x 2-3/32 inches (H) x 4-11/16 inches (D)}
Mass (approx.)	approx. 455g {1.00 lbs}
Finish	Main body: Aluminum die cast, BLACK / Front panel: PC resin, Clear
Other	Tamper-resistant enclosure *5

NOTES

*1 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
*2 For information on the operation verification of the web browsers, refer to our support website <Control No.: C0132>.
*3 Transmission for 4 streams can be individually set.
*4 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity) .
*5 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver.

Important
– Safety Precautions : Carefully read the Basic Information,Installation Guide and Operating Instructions before using this product.
– i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
– Masses and dimensions are approximate.
– Specifications are subject to change without notice.

OPTIONAL ACCESSORIES

Select a compatible accessory
Accessory Selector (i-pro.com)

WV-QWL500-W
Mount Bracket

WV-QWL500-B
Mount Bracket

WV-QPL500-W
Mount Bracket

WV-QPL500-B
Mount Bracket

WV-QJB502A-W
Mount Bracket

WV-QJB502A-B
Mount Bracket

WV-QJB500-W
Mount Bracket

WV-QJB500-B
Mount Bracket

WV-QCN500-W
Mount Bracket

WV-QCN500-B
Mount Bracket

WV-QCL101-W
Mount Bracket

WV-QCL101-B
Mount Bracket

WV-QAT502-W
Gangbox Adapter

WV-QAT502-G
Gangbox Adapter

WV-SDB256G
i-PRO SD Memory Card

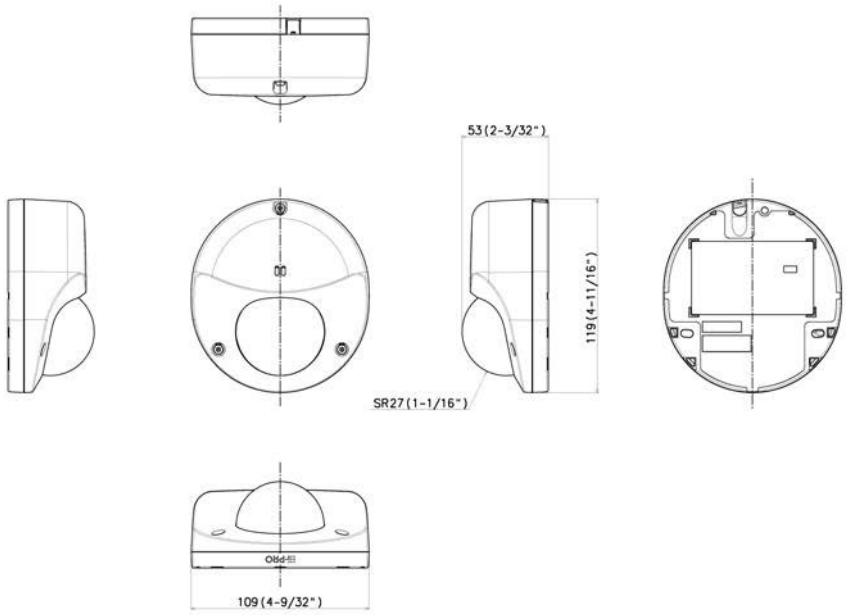
WV-SDB128G
i-PRO SD Memory Card

WV-SDB064G
i-PRO SD Memory Card

WV-SDB032G
i-PRO SD Memory Card

WV-QDC505C
Dome Cover

APPEARANCE



Mass : Approx. 550 g (1.21 lbs)

Unit:mm


WARNING
DO NOT OPERATE SYSTEM WITH
CONFLICT MONITOR DISCONNECTED

Get In Touch

WE ARE HERE TO HELP MAKE
GREAT SECURITY ACCESSIBLE

sts360.com

(972) 392-3635

@sigma-sts-360

info@sts360.com

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ADVANCED END-TO-END SECURITY SOLUTIONS

We have prepared a quote for you

290 Toll - Access Control and Video Surveillance Solution for Toll Cabinets

Quote # STS360STS002985
Version 1

Prepared for:

Central TX Regional Mobility Authority

Cory Bluhm
cbluhm@ctrma.org

FIRM PROFILE

GENERAL COMPANY INFORMATION

Company Name: Sigma Surveillance, Inc. DBA STS360

Principal Place of Business: 14229 Proton Rd, Dallas, Texas, 75244

Main Phone: (972) 392-3635 **Fax Number:** (866) 223-8167

STS360 Contact: Chandler Rawlings

Contact Office Phone: (972) 300-1082 **Contact Cell Phone:** (940) - 366 -5831

Contact Email Address: Chandler@sts360.com **Contact Title: Executive Account Manager**

Secondary STS360 Contact: John Hoffman

Contact Office Phone: (469) 212-6022 **Contact Cell Phone:** (469) 212-6022

Contact Email Address: John@sts360.com **Contact Title: Executive Vice President**

Field Technical Support Center Locations: Dallas, Texas - Carrollton, Texas - Houston, Texas - Austin, Texas - Alice, Texas - Corpus Christi, Texas - Wichita Falls, TX - Fort-Worth, Texas - El Paso, Texas

STS360's PRINCIPALS:

Bobby Khullar, President / CEO **Email:** bobby@sts360.com

John Hoffman, Executive Vice President **Email:** john@sts360.com

Years in Information Technology: 20 **Years in Security Business:** 20

Type of Ownership: Privately held **State of Incorporation:** Texas

Type of Incorporation: S Corporation **Year Founded:** 2005

Number of Employees: 30+ STS360 Employees 100+ subcontractor employees

Vendor ID Number: 20-2542335 **HUB Vendor?** Yes Cert: 1202542335600

Bonding Capacity: $25 million per project / Aggregate $25 million

AUTHORIZED NEGOTIATOR: John Paul Hoffman, Executive Vice President

FIRM PROFILE

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

VENDOR QUALIFICATIONS

STS360 has been designing, installing, and supporting network-based security systems for over fifteen (20) years, and intends to demonstrate to The Central TX Regional Mobility Authority Purchasing representatives that during this time we have garnered significant experience and qualifications that make us an outstanding candidate for consideration of award. STS360 has been installing and supporting large Video Surveillance, Access Control, Intrusion and Audio visual installations for State Agencies, Counties, Cities, Towns, and Schools for years.

STS360 was founded as an IT Systems consultant and integrator in 2000. We found ourselves naturally moving core services to security solutions due our customers' increasing demands for network-based security. Since we were already proficient in networks and IT Systems, the transition was natural and STS360 became a leader in providing IP solutions well before they became commonplace solutions. We tailored innovative security solutions to solve our clients' security needs and provide high ROIs through loss prevention, improved operational oversight, liability mitigation, reduced investigation times and safer, more secure environments.

STS360 is highly qualified and experienced in the services we perform and product lines we offer. STS360 is very careful to approach technology with a few key prejudices. (1) it must be expandable, meaning that the end user should not be limited in their ability to expand their security system in the future should they desire to, whether because of technology limitations or cost limitations; (2) the products must be proven to be of the highest of quality available in the market for that type of product. Our customers deserve a strong solid solution with a long-term lifecycle and support, and we will not promote a product we do not believe will be the best return on investment for our customers At STS360 our experience proves invaluable to the longevity of our partnerships with our clients and supported systems.

STS360 invests in our success by investing in our employees' growth. We certify all STS360 technicians on the various products that we sell and support. STS360's operational procedures also mandate a minimum of 8 hours of training per month for all of our senior and field technicians as a part of their job duties, because there's always room to learn and improve. These monthly trainings can range from manufacturer factory certification training and network certification, to online tests on industry codes & hands-on trainings in our technology lab at STS360 headquarters. STS360 also invests in our subcontractor's education and frequently brings them into our training program to insure they are meeting our high standards.

Considering the sensitive and, unfortunately, critical nature of the service we provide, STS360 has been successful in fostering long-term customer relationships because of our stellar performance and support. We have installed and continue to support tens of thousands of devices for our customers because they trust us to provide the same unparalleled support year after year.

STS360 excels in being flexible, exercising creativity, and providing unwavering attention to detail to customize unique Security Technology Solutions to achieve our clients' diverse needs. We can do this because we have the talent of a large company with the maneuverability and competitiveness of a small one. With a team of technically savvy systems engineers, field service technicians, support staff, account managers and project managers instead of solely technical, contractual and sales expertise, STS360 can honestly say that we truly rise to any challenge a client puts forth to us.

ADDITIONAL QUALIFICATIONS:

HUB CERTIFIED BUSINESS: 1202542335600
NCTRCA, MBE, SBE

As a Certified HUB, we are proactive in HUB outreach and attend/exhibit as such in conferences statewide. We participate in the DIR Conference's HUB Networking Event and build relationships with Minority owned businesses across the State of Texas that are pursuing the

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

status while promoting its benefit to those subcontractors utilized that are not yet certified. We approach every project with a goal of assisting our community.

HIGH BONDING CAPACITY

Lastly, we believe that our strength in our bonding capacity speaks volumes to our qualifications and financial stability. When you work with STS360 you can guarantee that you are working with a solid company who will always be there for you. STS360 has been bonding projects for over 15 years. We have a bonding aggregate capacity of $25million, up to $25million for a single project, and have had active bonds upwards of $25million at any given time. We have successfully completed all the bonded projects and continue to have our bonding capacity increased year after year when Philadelphia Insurance does their yearly audits.

i-PRO PREFERRED PARTNER

STS360 received and maintains the Premier "i-PRO Preferred Partner" designation for outstanding understanding of the product, solutions, and expertise in integration. This prestigious status provides STS360 the ability to offer forensic software and analytics unavailable outside of 15 dealers nationally. Additionally, it provides STS360 with extra resources to improve competitive advantages when proposing i-PRO Solution as well as Operating Inventory Priority.

SAFETY AND COMPLIANCE – SINCE 2005

- OSHA COMPLIANCE – **100%**
- OSHA INVESTIGATIONS - **0**
- Employee Injuries – **0** Since Business Inception
- Subcontractor Injuries – **0** Since Business Inception
- Average MOD Factor – **0.93**

MANAGEMENT STRUCTURE

Bobby Khullar - CEO, President, Owner

Bobby had a successful career in Federal contracts and IT. Seeing the increased need for IP Security Products, Bobby built STS360 from the ground up in 2005. With keen knowledge of IT and government contracts, and the firm dedication of his carefully assembled team, he rapidly grew STS360 by leading with IP technologies in a time when analog technology still dominated the market. For 18 years, STS360 continues to be a leader in the security public sector market with Bobby at its helm.
bobby@sts360.com

John Paul Hoffman – Executive Vice President

John Paul Hoffman, a security industry veteran of 20 years, worked through the ranks to Executive Vice President where he assists in managing STS360 while actively running his sales team. He maintains the Texas Security Integrator market by cultivating relationships among Texas State Agencies, Counties, Cities, Towns, School Districts, and manufacturers. John is well known for his availability and willingness to consult on the industry. Heavily certified in security technology, versed in installation requirements, and customer devoted, his clientele confidently rely on his guidance.
john@sts360.com Cell: (972) 300-1082

Jose Garza – CTO

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Jose Garza has been in the IT sector for over 25 years, working in both Private and Public Sectors. As CTO, he is responsible for maintaining the level of quality of IT Services provided by STS360 as well as ensure STS360 is operating at the latest industry standards. As COO, Jose overseas the Company's Service and Project Teams. Jose Garza is 3-time Cisco Certified Network Professional (CCNP) in routing and switching. Jose Garza is also holds Microsoft, CompTIA, and HP Certifications. He has also worked to provide Cybersecurity Solutions assessments to the Public and Private Sectors.

Jose Avina - Field Operations Manager

Over a decade of experience has Jose Avina managing the physical implementations of STS360 Projects. A Certified Level 3 Alarm and Fire Auditor, Jose joined STS360 to run the company's onsite operations initially with the Safe City Program. Jose has risen to manage several team schedules and he quality controls installations of his team leads and technicians. Setting the bar of standards for field execution of cabling, mounting, and proper field etiquette, his patience, integrity, and respect have earned him a reputation for excellence by end users and employees alike.
avina@sts360.com

Kartavya Mahadevia – Senior Technical Project Manager and Engineer

With over 20 years of experience in Information technology and project management, he has been with STS360 since 2005. Kart is a Microsoft Certified System Engineer and has certifications from various leading security manufacturers. Kart's expertise is in various Video Management, Access Control, Intrusion, Wireless, Server, Storage and Networking System technologies. He is an integral part of System Design to System Deployment and System Support and he manages several teams. Kart has earned many accolades from our customers and will serve as the front man for technical troubleshooting, system configuration, and training.
kart@sts360.com

CERTIFICATIONS

Video Management Systems

Verkada	Video Insight
OnSSI	Exacqvision
Milestone	Salient
Axis	Wisenet WAVE

Access Control Systems

MonitorCast	Continental Access
Open Options	SALTO Systems
Isonas	RS2

Camera Certifications

Panasonic/Arbitrator	Illustra
Axis	Advidia
Hanwha	FLIR

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Sony	Hikvision
Bosch	Mobotix
Honeywell	Interlogix
Arecont	GeoVision

PROJECT MANAGEMENT

STS360 knows the only way a project will be successful is if all key components come together and are well organized and managed both before and throughout the entirety of the implementation. The key components of a project are Scope, Schedule (time), Budget (cost) and of course, Quality. At STS360 our project managers focus on these key elements and are supported by a solid team of professionals working to exceed expectations.

A project always starts with **Scope**; do the customer and STS360 clearly understand and agree upon the scope of work and products to be installed? This does not simply refer to what is proposed and awarded, this is more granular and begins as soon as the contract is awarded. The STS360 design team will work with the Central TX Regional Mobility Authority stakeholders to tour facilities, refine any unique design needs for each location and environment, and present a final design and scope for each location to the Central TX Regional Mobility Authority Stakeholders. Once the design is agreed upon, the project manager will work with the Executive Stakeholders and the STS360 Project Coordinator to schedule a project kickoff meeting for all involved parties including all CTRMA support team stakeholders, CTRMA IT Department, STS360 project team members, STS360 Executive Oversight, and any subcontractor representatives. Prior to this meeting the STS360 project manager will review pre-project documentation with the Executive Stakeholders, including but not limited to system rights and configuration settings, final drawings & diagrams, phase payment schedules and milestones, and communication plan with assigned roles and responsibilities. Any revisions will be completed prior to the kickoff meeting. We propose the project kickoff meeting be held on site and the installation schedule, security procedures / risk mitigation, and communication plan be addressed. After the formal kickoff meeting, we propose to have each site walked before any equipment is placed or installed to seek approval for any penetrations, equipment placements or special considerations. Also, this allows the local representative whether that be the IT Manager or CTRMA Engineer or whomever the agency assigns, to become familiarized with the scope, schedule and team that will be working with on their territory.

The next key component of course is managing **Budget (Cost)**. STS360 does not believe in going in low and change ordering our customers' after award to gain our profit. What we propose is what you pay. The only time you will see STS360 asking you for a revision to a purchase order is if the customer asks us to add additional components to the scope. If something was missed in our proposal STS360 takes liability for any impact to our profitability that causes. If our costs increase on equipment or labor STS360 takes liability for the impact to our profitability. Return on investment is an important factor that we must consider when designing a project, especially when budgets are tight and recurring fees just add to the overall cost but provide little value over the life of the final product itself. With that in mind, STS360 the products we have chosen are from market leaders in their respective technologies was specifically designed for use in enterprise scenarios with an eye to quality and long-term ROI.

Thirdly we have **Schedule (Time)**. On projects time, can have a way of running away from you if not managed properly, and we know our clients' time and their need to have a functional system as quickly as possible is paramount. As part of our project plan, we have proposed these projects be completed in multiple phases to ensure an expeditious completion to all aspects of the scope of work. We will consider each install a "phase" and while some of these phases may run concurrently as they are able to be managed separately to make best use of resources. We are dedicated to a smoothly run project. To delay each significant milestone, punch lists, 3rd party testing & documentation acceptance until the end of the project when ALL locations are completed, will create a bottleneck at the end of the project and prolong a successful completion. Therefore, we will attend to each installation location as a separate "phase." STS360 will also train local and administrative staff after each facility is installed instead of just waiting until the end. We will also conduct a final training with any parties that need to attend or want to be refreshed, in a central location for a min 4 hours if required.

Lastly but not least you cannot talk about a project plan without discussing **Quality**. Quality control checks and balances must be a

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

continuous part of a project, not left to the end of a project. Leaving quality control to the end of a project leads to extensive punch lists, delayed documentation completion, throwing off the schedule & most importantly will make the agency question our qualifications. Before any product even reaches the site for installation it will be bench tested in our lab in Dallas to ensure it is functional. It will then be burned in for a period of no less than 24hrs, in a simulation exactly to scope for this project, to ensure the functionality is working correctly. Then all hardware will be pre-configured with IP addresses provided by the agency and labeled by location, IP address and the system documentation started before it ever leaves our facility. Each site will be assigned a job supervisor and enough crew members to complete the job on time or earlier. Senior Technicians and /or Project Manager will be visiting each facility at a minimum of 2 days per week if not more to manage the supervisors progress, do spot quality checks, ensure that the workspaces are being kept clean and safe, and to retrieve documentation. If the senior technician or the project manager find any discrepancies, they are immediate addressed and fixed by the appropriate party. Our Project Coordinator continually does audits on the work product coming from the field, e.g. Is the project team on schedule? What staff is onsite and what did they do that day? Did they show up on time and leave on time? Are there additional materials or equipment needed to be sent out and when does it need to be delivered? Are the system documentation and drawings being updated and added to our secured CRM, so we always have the most up to date information? Is the system documentation correct and formatted clearly? At the end of the project phase and upon our own internal review of quality, STS360 will notify the agency that we are ready for a final system test and punch list walk through assessment with the assigned stakeholder. Any discrepancies found are noted and corrections made immediately. The likelihood of a significant punch list, however, is slim due to our dedication to quality throughout the installation.

To conclude this section, it is important that we note that not only will we comply with the documentation that is requested by the agency, STS360 also provides an extensive amount of data that is searchable and updated throughout the warranty period as equipment is replaced. This includes but is not limited to any serial numbered device showing the following information:

- Part Number
- Description
- Serial Number
- Mac Address
- Ip Address
- Campus / Facility
- Camera Name
- Camera Installation Location
- Camera Mount Type
- Indoor / Outdoor Designation
- Associated IDF / MDF
- Associated Rack
- Associated Patch Panel Ports
- Associated Network Switch Name
- Associated Network Switch Ports
- Associated Power Source (If Applicable)
- Camera Settings
- Live and Recording Settings
- Live Server Path
- Archive Path
- Mfg. Warranty
- And Other Related Settings

14229 Proton Rd
Dallas, Texas 75244
sts360.com
(972) 392-3635

STATEMENT OF WORK - Toll Cabinets

STS360 is pleased to offer the below statement of work for Central TX Regional Mobility Authority

STS360 will be responsible for providing a Turnkey Quote and Build out for Roadway 290 Toll requested Access control and video Surveillance solution for the toll cabinets.

STS360 has proposed a solution including installation, operation and services for the complete system as requested.
STS360 will be responsible for installing, configuring and servicing the following, including but not limited to:

Installing a access control and video surveillance system to each 141 toll cabinets.

Total Roadways and Final Counts:

		1-Door Cabinet		2-Door Cabinet		4 - Door Cabinet		Total	
Roadway	Deployment	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total Cabinets	Total No. of Doors
183A	Tolling	5	5	3	6	2	8	10	19
183A Ph III	Tolling	0	0	0	0	10	40	10	40
183A Ph III	ITS	4	4	11	22	0	0	15	26
183 Toll	Tolling	0	0	13	26	1	4	14	30
290 Toll	Tolling	3	3	1	2	8	32	12	37
290 Toll	ITS	0	0	19	38	0	0	19	38
Mopac	Tolling	0	0	1	2	4	16	5	18
Mopac	ITS	0	0	4	8	0	0	4	8
SH 71	Tolling	0	0	1	2	1	4	2	6
45SW	Tolling	0	0	0	0	1	4	1	4
183N	Tolling	0	0	0	0	3	12	3	12
183N	ITS	0	0	46	92	0	0	46	92
Total:								**141**	**330**

STATEMENT OF WORK - Toll Cabinets

Total Number Of Cabinets for 290 Toll:

Roadway	Deployment	1-Door Cabinet No. of Cabinets	1-Door Cabinet No. of Doors	2-Door Cabinet No. of Cabinets	2-Door Cabinet No. of Doors	4 - Door Cabinet No. of Cabinets	4 - Door Cabinet No. of Doors	Total Total No. of Cabinets	Total Total No. of Doors
290 Toll	Tolling	3	3	1	2	8	32	12	37
290 Toll	ITS	0	0	19	38	0	0	19	38

37 = Cameras
75 = Doors Total

Lp1502 = 31
Mr52 = 8

Project Planning and Site Assessment

- **Site Survey**: Inspect the installation site to assess physical space, power requirements,and any structural considerations.
- **Space Evaluation**: Measure the space and confirm adequate clearance and accessibility for installation.
- **Project Planning**: Outline the full project timeline, including milestones for delivery, installation, and testing.

2. Design and Engineering

- **Power / Data Layout**: Design the data distribution to ensure uniform power delivery and stable data connections to each Server.

3. Servers (AI Servers, VI Servers, and Access Control Server)

- **System Configuration**: Set up the video and access control systems and settings. (Will Train CTRMA)
- **Content Management System (VMS)**: Install or configure the VMS for managing and scheduling displayed content.
- **Video Calibration**: Adjust brightness, contrast, and color uniformity across panels to ensure consistent image quality.

4. Software Configuration

- **Input Source Configuration**: Configure video inputs and outputs from the media player, streaming sources, or other AV equipment.
- **Control System Programming**: Set up software for user-friendly control, such as switching inputs, scheduling, and adjusting settings. Will also work with CTRMA to set up AI analytics and system rules for the access control and video management software.

5. Training and Handover

- **Training**: Train users on system controls, content management, and basic troubleshooting.
- **Documentation**: Provide comprehensive documentation covering system setup, maintenance, and troubleshooting.
- **Maintenance Schedule**: Outline a recommended schedule for cleaning, maintenance, and inspection.

6. Post-Installation Support

- **Warranty and Support**: Provide warranty details and contact information for ongoing support.
- **Remote Monitoring (if applicable)**: Set up remote monitoring for diagnosing and addressing issues.
- **Onsite Troubleshooting**: Offer support options for addressing hardware or software issues post-installation.

Bill of materials:

14229 Proton Rd
Dallas, Texas 75244
sts360.com
(972) 392-3635

STATEMENT OF WORK - Toll Cabinets

- HES locks
- Type 2 Brackets – Custom CTRMA Cabinet brackets
- Latchbolt Throw: 1/2" Lock Type: Cylindrical Lock Wired - Wiegand for ILP Toll walk in buildings.
- Door/cabinet contacts
- Access control boards (MC-LP1502) and (MC-MR52-S3B)
- Video Surveillance Cameras (i-PRO)
- blue tooth Readers – one per door – with 100 BT licenses 3y

- Cable: CAT6 and Access Control Cable
- Patch cords 3ft
- LSP Rack mounted enclosure 300 - (Gemni unified rack mounted system)

This Quote is for a one trip and turnkey install for all 31 cabinets. Any Cabinet that is not ready for install once STS team has been deployed and requires additional trips is subject to a change order for each additional trip. This also applies to any cabinets that are faulty and in need of repair that causes a delay prior to the arrival of STS for deployment once deployed.

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
MC-LP1502	I-Pro	Intelligent Controller (2 Rdrs, 8 Inputs, 4 Outputs)	31	$2,279.94	26.85%	$1,667.85	$51,703.35
MC-MR52-S3B	i-PRO	Reader Interface Module - Series 3B (2 Rdrs, 8 Inputs, 6 Outputs)	8	$1,043.40	26.85%	$763.28	$6,106.24
WV-S32302-F2L1	i-PRO	2MP INDOOR VANDAL DOME CAMERA WITH AI ENGINE, H.265/H.264/MJPEG, 2.4MM FIXED LENS, IR LED, BUILT-IN MICROPHONE, IP66, IK10, FIPS 140-2 LEVEL 3 COMPLIANT, 5 YEAR WARRANTY, VIDEO INSIGHT 7.9.X OR HIGHER, BLACK COLOR	37	$512.81	28.31%	$367.64	$13,602.68
630REL-XT1130	HES	RUGGEDIZED ELEC MAG DEADLOCK CABINET LOCK	75	$1,299.00	44.93%	$715.38	$53,653.50
70-SN200-10XG271-BIPS-0E-L-L-26D-RH	STS360	Latchbolt Throw: 1/2" Lock Type: Cylindrical Lock Wired - Wiegand	3	$2,712.50	50.00%	$1,356.25	$4,068.75
QC-C1500P	STS360	15' 2 Inch Wire HarnessWith 8 & 4 Pin ConnectorMolex Connector One EndPins Crimped Other End 12 Wires	3	$165.42	50.00%	$82.71	$248.13
STS-Cust-DH	STS360	Type 2 Brackets - Custom	75	$125.00	50.00%	$62.50	$4,687.50

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
RGM75B-M8PNZ	Lifesaftey power	RGM75B-M8PNZ is a dual voltage, power supply-battery charger system. The unit is configured in a painted, steel, locking enclosure with tamper switch and integral battery space, and provides 2 FPO power supplies, each of which can be set for 12 or 24V. A	31	$1,801.00	28.16%	$1,293.83	$40,108.73
20NKS-00-000000	HID	SIGNO 20,BLK/SLVR,PIG,CRD PFL STD,MA RDY,FMT:ASP10022,WIEG,32-B MSB,EM:32-B,LED:RED,FLSH:GRN,BZR,SRF:ON,IPM:OFF,V EL:OFF,TAP	75	$412.58	42.22%	$238.38	$17,878.50
31951099	Honeywell	18-4+22(2+4+6)1S CMP PROFN 1M	3	$1,099.00	17.38%	$907.97	$2,723.91
77-240-2B	Superior Essex	4x23 CAT 6 CMP Blue 1,000ft Box	3	$499.00	30.04%	$349.08	$1,047.24
1076D-M	Edwards Signaling	Flush Brown Door Position Switch (contact) DPDT	75	$88.00	41.25%	$51.70	$3,877.50
N238-001-BL	Tripplite	Cat6/Cat5e 110 Style Punch Down Keystone Jack - Blue, TAA	37	$7.10	53.66%	$3.29	$121.73
N201-003-BL	Tripplite	Cat6 Gigabit Snagless Molded (UTP) Ethernet Cable (RJ45 M/M), PoE, Blue, 3 ft. (0.91 m)	37	$6.62	53.78%	$3.06	$113.22
MISC	STS360	Misc. Accessories and Consumables	1	$35,900.00	50.00%	$17,950.00	$17,950.00
TPM	STS360	Technical Management and System Programming	1	$68,191.90	50.00%	$34,095.95	$34,095.95
LABOR	STS360	Project Implementation and Installation	1	$308,311.56	50.00%	$154,155.78	$154,155.78
WAR0001	STS360	1 Year Onsite Parts and Labor Warranty	1	$61,900.00	50.00%	$30,950.00	$30,950.00

Subtotal: **$437,092.71**

290 Toll - Access Control and Video Surveillance Solution for Toll Cabinets

Prepared by:

STS360

Chandler Rawlings
940-366-5831
Fax (866) 223-8167
Chandler@sts360.com

Prepared for:

Central TX Regional Mobility Authority

3300 N IH-35 Suite 300
Austin, TX 78705
Cory Bluhm
(979) 220-2551
cbluhm@ctrma.org

Quote Information:

Quote #: STS360STS002985

Version: 1
Delivery Date: 02/04/2025
Expiration Date: 02/23/2025

Quote Summary

Description	Amount
DIR-CPO-4770	$437,092.71
Total:	**$437,092.71**

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors. Net 30-Day Payment standard.

STS360

Signature: _____

Name: Chandler Rawlings

Title: Sales Representative

Date: 02/04/2025

Central TX Regional Mobility Authority

Signature: _____

Name: Cory Bluhm

Date: _____

STS360 PROPOSED PAYMENT SCHEDULE

CTRMA - Toll Cabinets	BILLING PHASE			
MILESTONE	**Invoice 1**	**Invoice 2**	**Final Invoice**	**TOTAL**
1. Hardware	$ 199,940.98			$ 199,940.98
2. Per Roadway Completion		$ 213,436.56		$ 213,436.56
3. Final Sign Off and Completion (10%)			$ 23,715.17	$ 23,715.17
Totals Per Billing Phase	$ 199,940.98	$ 213,436.56	$ 23,715.17	**$ 437,092.71**

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SERVICE LEVEL AGREEMENT

STS360 has provided a 1-year full hardware and labor onsite warranty for all STS360 supplied and installed components. STS360 warranties and guarantees all products, material, labor and work done for the Customer on this project. All new hardware and installation will be covered under the 1-year onsite warranty. All warranty replacement, installation, integration, maintenance, and required testing will be provided at no cost to The Customer within this 1-year period. STS360 is offering a 24/7 toll free service support line, 4-hour engineer on phone response and 48 hour onsite response.

I. SUMMARY

MISSION STATEMENT

STS360, or CONTRACTOR, will provide the Customer, hereby and here on referenced to as the OWNER, the establishment of procedures in which to successfully fulfill Surveillance and Security Systems maintenance services via improvement of existing support processes, scheduling of implementations, and expedient fulfillment.

SERVICES OVERVIEW

STS360 will provide a comprehensive 1-Year Onsite hardware and labor warranty in conjunction with this project. STS360 warranties and guarantees all products, material, labor, and work done for the Customer under this project. All warranty replacement, installation, integration, maintenance, and required testing will be provided within this 1-Year period unless outside of the terms specified below. STS360 is offering a 24/7 technical support toll free number for service. STS360 guarantees a 2-hour engineer on phone response for phone troubleshooting and a 48-hour onsite response for all warranty service or per the terms of the contract. STS360 has included dedicated service technicians for this project as part of this proposal. This will greatly reduce the response and service times. STS360 will stock spares (see scope for list).

DESCRIPTION OF SERVICES

Beginning upon final acceptance of project, STS360 will provide to OWNER the following services (collectively, the "Services"):

1. STS360 will provide 1-Year onsite labor warranty on all provided hardware and labor and integration services are warranted through STS360 from the date of final acceptance. It will not include the cost of parts and labor for OWNER not adhering to the standard terms or outside of specified terms and conditions of this contract. Parts installed by STS360 will be serviced according to their existing manufacturer's warranty; components not provided or installed by STS360 and outside the terms of Manufacturer warranty and subject to Purchase Order. Service calls will be billed when these incidents are approved by both parties. (this only refers to the need for new components not originally procured or installed by STS as apart of the original scope/project to fix an issue)
The proposed and accepted response terms of this warranty contract are:

LEVEL 1 SUPPORT:

- A Toll-free number to reach a live Technical Service Representative 24x7x365.
- A Return call from on-call Systems Engineer / Technician within 4 Hours for remote or phone support.

LEVEL 2 SUPPORT:

- Additional Troubleshooting is needed; technician is dispatched onsite within 48 hours to resolve the problem.
- Optimization, Maintenance and Quality Checks performed when techs are onsite

LEVEL 3 SUPPORT:

- Problem is understood and diagnosed, equipment / materials needed to repair / resolve the issue on hand, technician is dispatched onsite within 48 hours from level 2 dispatch
- All Level 3 services to be 100% closed and resolved within a maximum of 72 hours (does not apply to Force Majeure incidents or when manufacturer lead times are delayed).
- Optimization, Maintenance and Quality Checks performed when techs are onsite

2. All hardware, software, material and other warranties past this 1-Year contract term, and not renewed in an additional warranty contract year through STS360, will be the sole responsibility of the OWNER to contact the manufacturer directly to obtain replacement, repair or technical support.

ACCESS TO DATA AND COMPUTERS

On request, OWNER agrees to provide Contractor with evidence of a programming error, if the Contractor is unable to replicate the issues reported in a work order. Recipient further agrees to provide Contractor with access to OWNER computers, servers, networks, view stations, cameras and sufficient computer time to enable Contractor to duplicate the problem, determine that it results from a warrantable cause and, after corrective action or replacement has taken place, and determine that the problem has been alleviated. STS360 also requires that OWNER allow access to stored data, upon notification, and the ability to remove data that is causing conflicts and/or inhibiting the ability to repair system to its full functionality.

MODIFICATIONS EXCLUDED

Contractor shall not be obligated to provide support services pursuant to this Contract with respect to any modifications of the Software, configurations of the systems, new applications, additional hardware outside of scope, operating systems, and other adjustments made for any reason during the service contract by OWNER or to any computer program incorporating all or any part of this system.

COSTS AND EXPENSES

If terms in this contract for warranty / maintenance and services are determined to not be met by owner, when technician is on site, all work on the service will be put on hold until a purchase order is issued for the work needed to be performed to correct the issue. Parts and service labor will be covered by STS360 for any failure that is proven to be a failure in material or workmanship under normal use during the applicable warranty period. This coverage is limited to parts and labor. The warranty for replacement parts is limited to direct replacement. STS will not bill for a service call within the term of this SLA.

TERM PERIOD

This Contract will remain in effect for a period of (12) Months or (1)-Years from the date of final acceptance. This SLA can be extended year to year or multiple years after the 1 year term is up.
SLA renewal quotes will be generated before the expiration of of current term.

CONFIDENTIALITY

STS, and its employees, agents, or representatives will not at any time or in any manner, either directly or indirectly, use for the personal benefit of STS, or divulge, disclose, or communicate in any manner, any information that is proprietary to Owner. STS360 and its employees, agents, and representatives will protect such information and treat it as strictly confidential. This provision will continue to be effective after the termination of this Contract.

GENERAL WARRANTY

STS360 shall provide its services and meet its obligations under this Contract in a timely and workmanlike manner, using knowledge and recommendations for performing the services which meet generally acceptable standards in STS's community and region, and will provide a standard of care equal to, or superior to, care provided by Contractors similar to STS360 on similar projects. Contractor shall not be liable for any delay in performance directly or indirectly resulting from acts of Owner, its agents, employees, or subcontractors.

HARDWARE SUPPORT STS360 warrants to the original purchaser (PURCHASER) that each product of its manufacture (PRODUCT) is covered by this warranty from the date of delivery if properly installed, serviced, and operated under normal conditions. Any part or parts there of replaced during the base warranty period assumes the remainder of that warranty period or the parts warranty period, whichever is greater. The warranty coverage for the PRODUCT is continual from the original date of purchase and does not restart upon the replacement of any part or complete unit. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA. Parts and service labor will be covered by STS360 for any failure that is under normal use during the applicable warranty period. This coverage is limited to parts and labor. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA.
The warranty for replacement parts is limited to direct replacement.

STS360 reserves the right to repair or replace any part, component, or assembly at its option. STS360 may request defective parts be returned for examination before the issuance of credit. Any item that is replaced under warranty becomes property of STS360. ***PROCESS FLOW*** OWNER experiences issue with Security Equipment. (While all this information is not mandatory, STS will need details in regard to the issue in order to rectify the issue. STS will have all system documentation, STS will just need general information of the issue)

1. OWNER submits a request to STS360 24/7 TSG (technical support group) describing the following:
   - **a.** OWNER / Department / Site Name
   - **b.** Point of Contact (OWNER PoC) Information and Title
   - **c.** Pertinent Information relating to service request
   - **d.** If available, Device IP Number / Camera Number / Reader Number
   - **e.** Device Location
   - **f.** Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules site visit with provided PoC.
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist and schedules visit.
4. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
5. STS360 Security Specialist evaluates location, troubleshoots issue.
   - **a. Troubleshooting fixes Issue** – STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   - **b. Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component.
     - **i. IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
     - **ii. IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
     - **iii. IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
       a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (see Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (see Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist to return and resolve issue.
9. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.
11. STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket status, notes, and uploads final acceptance sign-off document.

12. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.

SOFTWARE SUPPORT

STS will need general information of the issue.

PROCESS FLOW

OWNER experiences issue with Security Software.

1. OWNER submits a request to STS360 TSG (technical support group) describing the following:
   g. OWNER / Department / Site Name
   h. Point of Contact (OWNER PoC) Information and Title
   i. Pertinent Information relating to service request
   j. If available, Device IP Number / Camera Number
   k. Device Location
   l. Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules Security Specialist/Engineer Remote-In/Onsite Session with provided PoC (SEE Statement of Work/Access to Data and Computer).
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist/Engineer and schedules Remote-In/Onsite Session internally.
4. STS360 Security Specialist/Engineer calls OWNER PoC to inform of Remote-In/Onsite Session.
5. STS360 Security Specialist/Engineer evaluates system status, troubleshoots issue.
   a. **Troubleshooting fixes Issue** – STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   b. **Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component (SEE Asset Management/LifeCycle Maintenance).
      i. **IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
      ii. **IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
      iii. **IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
         a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (SEE Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (SEE Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist/Engineer to return and resolve issue.
9. STS360 Security Specialist/Engineer calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist/Engineer replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.

11. STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket status, notes, and uploads final acceptance sign-off document.
12. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.

III. PARTY COMMUNICATIONS

PLACING A WORK ORDER REQUEST

Call Toll Free: (866) 506-7446

Email: technicalsupport@sts360.com

Our Technical Support Group (TSG) is there for you 24x7x365 and is just a phone call away. A live person will answer immediately, do some basic troubleshooting, and generate a work order while the OWNER is on the phone with TSG representative. If they are unable to assist you to a successful fix of the issue, they will immediately reassign the work order to, and contact the appropriate Level 2 support personnel who will be in contact within 2 hours or less to help resolve the issue, direct you to submit an RMA, and/ or dispatch an on-site technician. STS360 requests the party submitting the work order have some of the following information ready when calling the TSG, because the more information provided, the better we can assist in resolving the issue more expeditiously.

STS360 will request the following information in order to expedite service.

- OWNER / Site Name
- Your Contact Information and Title
- Sales Invoice / Work Order / Or Purchase Order Number (if available)
- Pertinent Information relating to your service request
- Device IP Number / Camera Number
- Device Location
- Description of issue / concern

OWNER POINT OF CONTACT

1. OWNER agrees to provide STS360 a Project Manager as the Primary Point of Contact
2. OWNER's Primary POC will be responsible for resolving financial or business issues outstanding and assist in facilitating final acceptances.
3. OWNER agrees to provide all STS360 necessary system documentation for access to existing systems
4. OWNER agrees to provide logins or access to any Ticketing or ERP system used by the OWNER at no charge to STS360.
5. OWNER agrees to provide assistance in coordination of departmental resources necessary for successful fulfillment.

IV. ASSUMPTIONS AND EXCEPTIONS

Services or Work Product will be deemed acceptable to OWNER if it conforms in all material respects with Services described in this project or Bill of Materials. STS360 will have full responsibility for the deliverables and the tasks listed in each project or Bill of Materials.

OWNER will complete a review of each submitted deliverable within five workdays from the date of delivery. OWNER feedback which indicates revisions to a deliverable are required will be addressed and re-submitted by STS360 within five workdays unless approval (in writing) for a different length of time is obtained from the OWNER or designate.

OWNER will either accept or reject STS360's Services or Work Product within a reasonable number of days from performance. For this Project, Services or Work Product will be accepted or rejected within 5 days from delivery completion date. Failure to provide acceptance or rejection within 5 days will be considered acceptance of the deliverable. If OWNER gives notice of rejection, then STS360 will have an additional five days, within which to cure any deficiencies identified in writing by OWNER.

STS360 reserves the right to accept or reject OWNER requested tasks that may result in STS360's incurring of legal liability beyond the scope of STS360's offered Services. STS360 is required to respond with reason for objection and propose an alternative solution when available.

V. CHANGE REQUESTS

CHANGE REQUEST PROCESS

STS360 works very efficiently to provide quality estimates from the start of an evaluation. However, if an agreed upon Scope of Work has a mutually agreed change or addition to agreed SOW, STS360 will propose a resolution in the form of a Change Order that, if verified, accepted and signed by OWNER, will be prioritized in schedule and performed by STS360.

Next Page – See a Change Order Form Sample

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

CHANGE ORDER FORM SAMPLE

OWNER NAME:
OWNER ADDRESS:
PROJECT #:
PROJECT NAME:
PROJECT LOCATION:

STS360 PROJECT MANAGER:
OWNER APPROVER:

DATE CHANGE ORDER SUBMITTED:
CHANGE ORDER REFERENCE NUMBER:

STS360 submits this change order for the above referenced project. This change order is deemed (billable / non billable / price decrease) to the OWNER of this project. This change order is subject to the terms and conditions of the original contract. This change will not in any way impact the original scope outside of the indicated changes below. This change order will not impact warranty, and will be included in final project warranty if accepted. The purpose of this change order request is to agree that changes to the scope are requested and to seek approval by the OWNER of this project. A Purchase Order or signed agreement at the bottom of this page will be required to fulfill this change order for the above referenced project. See attached revised Scope of Work and Pricing Revision (if billable / price decrease.)

Change Item	Change Description	Product Description	Part Number	Qty
1				
2				
3				

Above is Sample, please revise as per the scope of each change order (add or delete change items as needed as well. Any scope, warranty and/or price changes must be included in detail in appendixes to be attached and identified above. Please customize each section as needed. Please delete these notes before submitting)

OWNER: _____ CONTRACTOR: STS360 _____

Approved by: _____ Approval Received by: _____

Date of Approval: _____ Date Received: _____

Name: _____ Name: _____

Title: _____ Title: _____

Department: _____ Department: _____

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

TERMS AND CONDITIONS

STS360 complies with the related Terms and Conditions put forth on the Texas Department of Information Resources website. For services rendered by STS360, compliance under this Statement of Work is met by current DIR or Buyboard Contract being utilized or its successive renewal by STS360 with the State of Texas Department of Information Resources.

STANDARD MAINTENANCE AND SERVICE TERMS AND CONDITIONS

1. This is a warranty and not an insurance policy. This warranty does not take the place of the client's general liability insurance.
2. All warranties exclude remedy for damage or defect caused by abuse, tampering, vandalism, improper or insufficient maintenance, improper operation.
3. The client is responsible for any damage to any improvement, fixture or property not constructed, installed or included in maintenance contract scope by STS360 that may cause the need for repair to the STS360 installed equipment, materials, hardware, etc. (e.g. – damaged ceiling is leaking onto network equipment, STS360 should not be liable to fix the ceiling leak as well as the STS360 equipment).
4. The client will be required prior to repair of unwarranted issue to hold STS360 free of any liability from the cause of the original problem
5. Warranty does not include drainage deficiencies at the job location / location of equipment / material (e.g. – drainage is damaged on facility and run-off of rain water overwhelms drainage and therefore begins draining directly on our equipment where there'd been no point of drainage prior during project installation).
6. Warranty does not include any landscaping issues that cause loss of effectiveness of security after project acceptance (e.g. – Client decides to forego cutting back trees or plants new trees or bushes that grow in front of camera placements, diminishing intended Field of View)
7. Warranty does not include any defects or deficiency caused by materials, design, construction, or work supplied by other than the STS360 outside of the contract scope
8. Warranty does not include changes, alterations or additions made to the installation by anyone other than those performed under obligations of this warranty;
9. Warranty does not include deficiency or defects caused or made worse by the Client's, employees, patrons, or any other party than STS360 during the service contract.
10. Warranty does not cover any deficiencies or defects in workmanship, materials or structural portions normally covered by another warranty or insurance policy whether or not paid by such warranty or insurance policy (e.g. – Client employee repairs something in the electrical room, and because of poor workmanship causes pipes to burst damaging significant portions of our system and the facility / structure and owners insurance doesn't cover it, STS360 should not be liable for the cost to cover damaged equipment caused by workmanship or structural problems on the facilities)
11. Warranty does not cover deficiency or defects resulting from accidents, riot, civil commotion, terror attacks, war, or Acts of God; including but not limited to fire, explosion, smoke, water escape, windstorm, mudslide, erosion, hail, lightning, hurricanes, tsunamis, falling trees, aircraft, vehicles, flood, earthquakes, sink holes, underground springs, volcanic eruptions, saturated soils or change in the level of the under-ground water table.
12. Warranty does not cover any contamination caused or created by natural or man-made chemicals, compounds, or substances used by the client or breakdown or adverse effects of chemicals, compounds, or substances used.

13. Warranty does not cover pest damage including but not limited to termites, rodents, cockroaches and ants
14. Warranty does not cover any damage caused by water intrusion, including but not limited to roof leaks, window sealants, plumbing
15. Warranty does not cover heat damage, damage caused from dust build up, dampness or condensation due to clients' failure to maintain adequate ventilation.
16. Warranty does not cover any loss, damages or other condition which is not a deficiency or defect of the systems functionality.
17. Warranty does not cover consequential damage: Any property damage or bodily injury which follows as a result of structural damage, or other defects covered under this warranty including defects in workmanship that was not originally installed by STS360 (e.g. – something occurs in relation to structural or poor workmanship from the client or other contractor, causing our equipment to malfunction and cause bodily or property damage, such as a camera coming loose and falling on a person or property.)
18. Warranty does not cover any loss or physically inflicted damage which is not a construction deficiency or defect, including but not limited to chips, scratches, and dents in materials, fixtures, appliances, or other types of equipment
19. Warranty does not cover failure by the client to give notice to the Contractor regarding deficiencies or defects within a reasonable time or as specified in the clients' warranty contract;
20. Warranty does not cover negligence and/or improper maintenance, or improper operation of items warranted under this warranty
21. Warranty does not cover failure of the clients or any client or third-party representative to comply with the warranty requirements of manufacturers of hardware, software, equipment, materials, or fixtures
22. Warranty does not cover any loss or damage which the client(s) have not taken reasonable timely actions to minimize;
23. Warranty does not cover any dispute received by Contractor later than 30 days after the applicable Warranty Expiration Date for claimed items of deficiency or defect;
24. Warranty does not cover any alleged deficiency or defect for which there is no evidence of deficiency or defects at the time of the claims investigation; or which has been repaired prior to a claim
25. Warranty does not cover any condition which does not result in actual physical or functional damage to the warranted equipment, materials, hardware, software, materials or fixtures.
26. Billable costs may occur if STS360 Technicians are denied entry to facility and/or when appointments are not cancelled within 24 hours of arrival. Should it be no fault of the client in the event of an unforeseen circumstance (act of God, serious incident / crime, or other unforeseen circumstance), and STS360 will excuse the charge but requests to be contacted as soon as possible to cancel the appointment.
27. STS360 cannot be held liable for unresponsiveness to work orders that are not reported and/or escalated through the proper chain of communication by OWNER in this warranty agreement.

HID Mobile BLE is an app-based solution that uses Bluetooth Low Energy to transmit secure credentials to the reader.

The end customer submits contact info to set up an HID Origo web portal using the link below. They will get an email that gives them an ORG ID and MOBKEY. This is what is needed to order credentials. The MOBKEY should be loaded into a mobile-capable reader. This can be done before an order to come preloaded, or after receipt.

- Here is a YouTube video that shows the process to Onboard and have a technician put the end user's mobile key onto a Mobile Reader: https://www.youtube.com/watch?v=cLVjAGt7a2s
- All Signo have the functionality innately and SE readers could have been ordered that way or may have the potential of an upgrade using an upgrade kit – we can work together to confirm that potential).

https://portal.origo.hidglobal.com/selfonboarding/

After registering you will get the EUORG ID and MOBKEY required for ordering mobile credentials

Customers order subscription-based "seat" licenses in 1 or 3-year plans. Customers can add additional licenses at a prorated cost within that subscription period. This is available for a customer with a rollout plan that is not immediate for all users. We can help with the specifics of the cost for add-ons if they advance in that fashion.

- MOQ for any plan or add-on is 20. You can do anything 20 and above, but it must reach 20.
- When ordering you will give part detail as well as End User Name, ORG ID and MOBKEY (established in onboarding) and a format that you will be using for the licenses
    - The format must be a tracked format that allows for Next Number Up issuance. We can make a 26-bit H10301 a TRK-H10301 tracked license. Every future order would need the ORG ID and TRK-H10301 number.
    - There is no charge currently for CORP 1000 on mobile license orders
- It is good to understand that a mobile credential and a physical credential will register as the same user if the format information is the same.
    - The issuance and revocation features of the Origo portal allow a user to churn through as many credentials as are needed as long as they do not go past the licenses available – each re-issuance will grab a new number in the "pot" of credentials.

Subscription Licenses:

Item Number	Description	Min Order Qty
MID-SUB-T100	**1-YEAR** USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	**3-YEAR** USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Add-Ons (only used if the customer is adding additional licenses in the above subscription periods):

Item Number	Description	Min Order Qty
MID-SUB-T100-ADD	ADD-ON USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	3-YEAR USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Many of our OEM head-end partners do have integrations into HID Origo. These integrations may make it possible to issue and revoke credentials from the head-end software. The hooks into HID Origo may make it not necessary to manage out of the portal. This would help to not have to manage the two systems in what we call a swivel chair approach. Swivel chair approach = issuing a credential, swiveling over to the access software, entering the user, and the opposite if you are removing a user. The Head End OEM Partner owns this integration, the set-up procedures and functionality as well as the detail of pricing or inclusion in versions of their software.

Extra info:
Short Video Tutorial of the portal:
https://www.youtube.com/watch?v=Zslg66u5qM0&list=PLaI1sYdMpc6qrAwlJHGd1xql3eWv0wnbf&index=10

HID Video Showing mobile and Twist and Go for longer range access:
https://youtu.be/ztkngP5jfjI

HID Mobile Access -Getting Started
https://www.youtube.com/watch?v=F906cOELCwg

HID Mobile Access FAQ
https://doc.origo.hidglobal.com/faq/portal/HID_Mobile_Access_FAQ.pdf

Demo of Reader Manager and how it is used:
https://www.youtube.com/watch?v=bQsQqqvqDPU&feature=youtu.be

PHYSICAL ACCESS SOLUTIONS

multiCLASS SE® Readers

multiCLASS SE readers include Open Supervised Device Protocol (OSDP), a new Security Industry Association (SIA) standard that together with Secure Channel Protocol (SCP) provides secure communications and central management.

HIGHLY ADAPTABLE AND SECURE HIGH FREQUENCY ACCESS CONTROL SOLUTION

- **Powerfully Secure** – Provides layered security beyond the card media for added protection to identity data using SIOs.
- **Adaptable** – Interoperable with a growing range of technologies and form factors including mobile devices utilizing Seos™.
- **Interoperable** – Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.
- **Streamlined Migration** – Simultaneous support for 125 kHz HID Prox®, AWID and EM4102 for seamless migration; field programmable for secure upgrades and extended lifecycle.

HID Global's iCLASS SE® platform goes beyond the traditional smart card model to offer a secure, standards-based and flexible platform that has become the new benchmark for highly adaptable, interoperable and secure access control solutions.

multiCLASS SE® readers simplify migration from legacy technologies with support 125 kHz for HID Prox, Indala, AWID and EM4102, and provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent readers also support iCLASS® Seos™ and iCLASS SE credential platforms, as well as standard iCLASS, MIFARE and MIFARE DESFire EV1 with custom data models and other leading technologies.

Additionally, multiCLASS SE readers support mobile devices utilizing Seos, enabling a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

As part of HID Global's iCLASS SE platform that is based on the Secure Identity Object™ (SIO®) data model and Trusted Identity Platform® (TIP™), the powerfully secure multiCLASS SE readers offer advanced features such as layered security beyond the card media and tamper-proof protection of keys/cryptographic operations using EAL5+ secure element hardware.

POWERFULLY SECURE:
- Multi-Layered Security – Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- EAL5+ Certified Secure Element Hardware – Provides tamper-proof protection of keys/cryptographic operations.
- SIO Data Binding – Inhibits data cloning by binding an object to a specific credential.
- Secured communications using OSDP with Secure Channel Protocol.

HIGHLY ADAPTABLE:
- Mobile device support using card emulation – Enables HID access control.
- SIO Portability – Provides technology independence and portability to other smart card technologies.
- Upgradeable Hardware Connection – Allows all Wiegand-based communication readers to expand communication capabilities to OSDP, Hi-O and other bidirectional protocols.
- Field Programmable Readers – Provides secure upgrades for migration and extended lifecycle.
- Customization and management from a central location – Enables organization to make changes and manage all attached OSDP readers over RS485 wiring.
- Simultaneous support for 125kHz HID Prox, AWID and EM4102.
- Allows for support of future technologies.

SUSTAINABILITY AND MANAGEMENT:
- Intelligent Power Management (IPM) – Reduces reader power consumption by as much as 75% compared to standard operating mode.
- Recycled Content – Contributes toward building LEED credits.

INTEROPERABLE:
- SIO Media Mapping – Simplifies deployment of third-party objects to multiple types of credentials.
- Industry standard communications using OSDP.
- Custom programming support to read custom data models on MIFARE and MIFARE DESFire EV1 credentials.

SPECIFICATIONS

	RP10	RP15	RP40	RPK40
Base Part Number	900P 900L	910P 910L	920P 920L	921P 921L
Typical Read Range[1]	**13.56 MHz Single Technology ID-1 Cards – SIO Model Data**			
	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2: 1.2" (3 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2 1.2" (3 cm)	iCLASS Seos: 1.2" (3 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.7" (12 cm) MIFARE DESFire EV1/EV2: 2.0" (5 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.3" (11 cm) MIFARE DESFire EV1/EV2 1.6" (4 cm)
	13.56 MHz Single Technology Tags/Fobs[5] – SIO Data Model			
	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 2.4" (6 cm) MIFARE Classic: 2.0" (5 cm)	iCLASS: 2.8" (7 cm) MIFARE Classic: 1.6" (4 cm)
	125 kHz Single Technology ID-1 Cards			
	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 3.1" (8 cm)
	125 KHz Single Technology Tags/Fobs			
	HID Prox: 1.6" (4 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 1.6" (4 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.4" (6 cm)
Mounting	Ideally suited for mullion-mounted door installations or any flat surface		Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Mounting Spacer	To be used when mounting on metallic surfaces, refer to How To Order Guide for part numbers			
Color	Black			
Keypad	No			Yes (4x3)
Dimensions	1.9" x 4.1" x 0.9" 4.8 cm x 10.3 cm x 2.3 cm	1.9" x 6.0" x 0.9" 4.8 cm x 15.3 cm x 2.3 cm	3.3" x 4.8" x 1.0" 8.4 cm x 12.2 cm x 2.4 cm	3.3" x 4.8" x 1.1" 8.5 cm x 12.2 cm x 2.8 cm
Product Weight (Pigtail)	4.0oz (114g)	5.2oz (149g)	7.8oz (222g)	9.1oz (258g)
Product Weight (Terminal Strip)	3.0oz (85g)	4.3oz (124g)	7.6oz (216g)	8.0oz (228g)
Operating Voltage Range	5-16 VDC, Linear supply recommended			
Current Draw - Standard Power Mode[2] (mA)	75	75	85	95
Current Draw - Intelligent Power Management (IPM) Mode[2] (mA)	40	40	50	70
Peak Current Draw - Standard Power or IPM Mode[2] (mA)	200	200	200	200
NSC[3] Power Consumption - Standard Power Mode (W @ 16VDC)	1.2	1.2	1.4	1.5
NSC[3] Power Consumption - w/ IPM (W @ 16VDC)	0.6	0.6	0.8	1.1
Operating Temperature	-31º to 150º F (-35º to 65º C)			
Storage Temperature	-67º to 185º F (-55º to 85º C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Environmental Rating	Indoor/Outdoor IP55; IP65 if installed with optional gasket (IP65GSKT)			
Transmit Frequency	13.56 MHz & 125 kHz			
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO®) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic (On by Default) - standard iCLASS Access Control Application (order with Standard interpreter) -ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN - MIFARE Classic and MIFARE DESFire EV1 custom data models - FeliCa™[4] CSN, CEPAS[4] CSN or CAN - MIFARE DESFire EV2 via EV1 backward compatibility			
125 kHz Card Compatibility	HID Prox[4], AWID[4], Indala, EM4102[4]			
Communications	Optional OSDP with SCP over RS485[4] Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use Shielded cable for best results			
Panel Connection	Pigtail or Terminal Strip			
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea)[4], NCC (Taiwan)[4], iDA (Singapore)[4], RoHS			
Cryto Processor Hardware Common Criteria Rating	EAL5+			
Patents	US7180403, US7439862, US7124943, US5952935, US6058481, US6337619			
Housing Material	UL94 Polycarbonate			
Manufactured with % of recycled content (Pigtail)	10.5%	11.0%	10.5%	10.9%
Manufactured with % of recycled content (Terminal Strip)	10.5%	11.0%	11.0%	12.3%
UL Ref Number	RP10E	RP15E	RP40E	RPK40E
Warranty	Limited Lifetime			

[1] *Read range listed is statistical mean rounded to nearest whole centimeter. HID Global testing occurs in open air. Some environmental conditions, including metallic mounting surface, can significantly degrade read range and performance; plastic or ferrite spacers are recommended to improve performance on metallic mounting surfaces.*

[2] *Measured in accordance with UL294 standards; See Installation Guide for Details.*

[3] *NSC = Normal Standby Current; See Installation Guide for Details.*

[4] *Not available on 9xxL part numbers.*

[5] *Supported Tags/Fobs - iCLASS, and MIFARE Classic*

hidglobal.com

North America: +1 512 776 9000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

2019-12-17-hid-multiclass-se-readers-ds-en PLT-00303

GEMINI™

Overview

The RGM75 Series is a 75W integrated 2U rackmount power system that incorporates system power, lock power and Mercury controllers.

RGM enclosures provide mounting for two Mercury controllers and multiple LifeSafety Power FlexPower® devices in an access control system capable of controlling four doors as a standalone or multiple doors when interconnected. LSP power modules are provided based on RGM model number and Mercury controllers are provided by the integrator based on the job requirements.

Available options include single (12 or 24V DC) or dual voltage operation (12 and 24V DC), power distribution and control, individual output protection by either fuses or class 2 power limiting, buffered lock control, and remote reporting and test. Each LSP output is protected against electrical surges caused by lightning or transients on the external wiring (SurgeShield™) and each LSP control output is individually selectable for available DC voltages, either failsafe or failsecure operation with fire alarm interface.

Optional network reporting capabilities include: operational fault status; power supply output; battery charging voltage; battery charging current; and fire alarm input status. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving or reducing the cost of on-site servicing.

The unit is intended for mounting within a standard four post EIA 19 inch electronics rack with a maximum depth of 36 inches.

MERCURY SECURITY

RGM 75 B - C8 M8 N Z / E

- GEMINI™ RACKMOUNT for MERCURY
- POWER (75 WATTS)
- 12V SECONDARY VOLTAGE
- DISTRIBUTION OUTPUTS
  - C4 - 4 controlled
  - C8 - 8 controlled
  - D8 - 8 auxiliary
  - M8 - 8 managed *Fused*
  - C4P - 4 controlled
  - C8P - 8 controlled
  - D8P - 8 auxiliary
  - M8P - 8 managed *Class II Power limited*
- NETWORK
- WIRE MGMT
- *For 230VAC Input*

c UL us CE RoHS compliant

Rackmount Features

- Integrated access system with lock and system power distribution
- Compartmentalized architecture for maximum reliability
- Rack drawer slide assembly simplifies controller wiring and maintenance
- Comprehensive wire management with tie down points and articulating bracket
- 120 or 230V AC user selectable input supports data center electrical systems

Configuration Options

- Single voltage or 12 and 24VDC dual voltage options cover all access functions
- Power distribution for either direct (D8) buffered (C8) or managed (M8)
- Individual output selection for failsafe, failsecure, lock voltage and fire alarm interface
- High capacity battery charge capability
- Automotive fuses for ease of service and replaceability
- Easy door expansion with multiple Gemini drawers
- Available companion battery housing for rackmount use (part number RBE)

Network Monitoring

- Monitor/alert power supply, battery operation and faults
- Remote test battery run time, low battery and time to service alert
- Monitor/power cycle individual outputs (M8N model)
- Monitor alert external room temperature

Fire Alarm Interface

- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed
- Voltage or Polarity Reversal Activation

Comprehensive fault detection and reporting

- May be connected into access controller or used standalone
- Form C contact transfer for AC Loss or brownout
- Form C contact transfer for abnormal system operation

Agency Listings

- UL, CUL, CE Access Control

Lifetime Warranty

Ordering

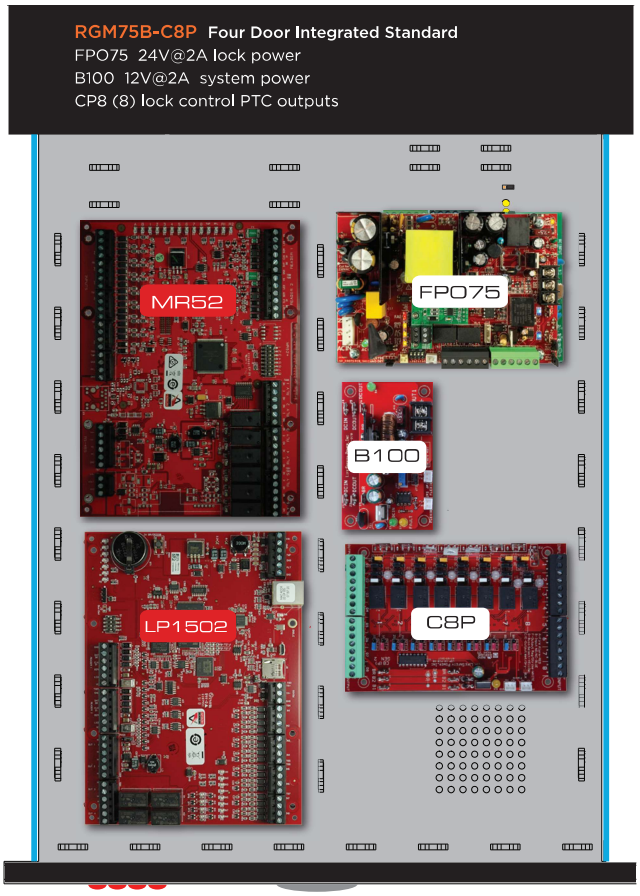
Model No.	Network	Voltage	Current	Internal Distribution: Bulk	Auxiliary	Control	Managed
RGM75-D8PZ		12V or 24V	6A/12V or 3A/24V	2	8		
RGM75-D8PNZ	Yes			2	8		
RGM75-C4PZ				2		4	
RGM75-CPZ				2		8	
RGM75-M8PNZ	Yes			2			8
RGM75B-D8PZ		12V and 24V	2A/12V and 2A/24V	2	8		
RGM75B-C4D8PZ				2	8	4	
RGM75B-C4D8PNZ	Yes			2	8	4	
RGM75B-C8PZ				2		8	
RGM75B-C8D8PZ					8	8	
RGM75B-M8PNZ	Yes			2			8

Single voltage - factory set to 12VDC
Dual voltage - outputs can be individually set for 12V or 24VDC
Networking - monitors power supply, battery set and relay control outputs
For CE 230VAC option, add " / E" suffix to model number, i.e RGM75-D8PZ / E

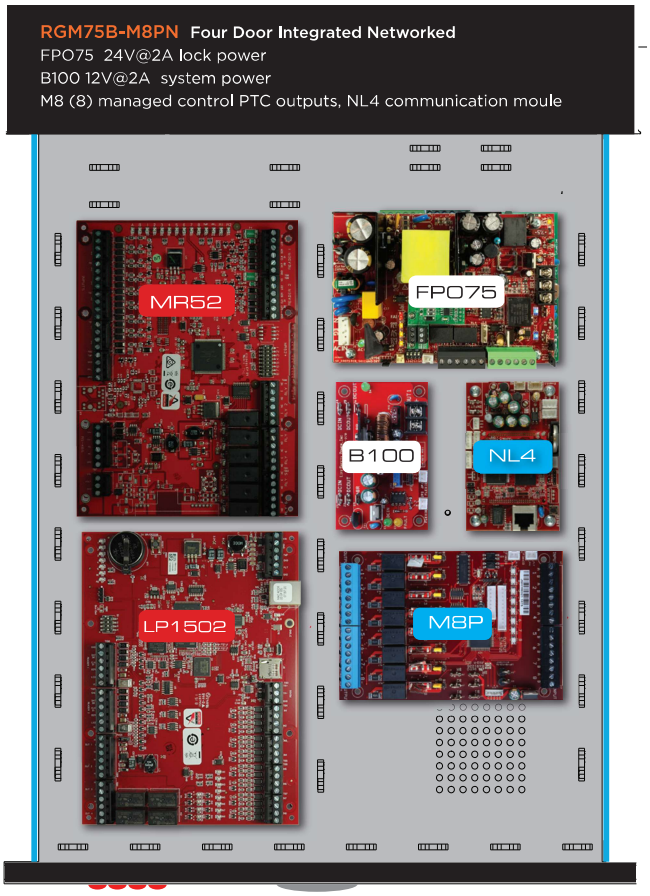
Specifications

Input Power	Input 120/230 VAC 50/60 Hz | 83 Watts Thermal overload protection / Short circuit protection
Output Power	RGM75 75 Watts: 6 amps at 12 VDC or 3 amps at 24 VDC *(factory default setting is 12VDC)* RGM75B 75 Watts: 2 amps at 12 VDC and 2 amps at 24 VDC *(factory set to 24VDC and 12VDC)* *(allows 1A per Mercury board, 0.50A per lock. If Mercury board draws less, lock power is more)*
Internal Power Distribution	D8/D8P eight auxiliary outputs: D8 fused at 3A/ea, D8P Class II Power limited at 2.5A/ea C4/C4P four control outputs: C4 fused at 3A/ea, C4P Class II Power limited at 2.5A/ea M8/M8P eight managed outputs: M8 fused at 3A/ea, M8P Class II Power limited at 2.5A/ea – *Individually selectable outputs on dual voltage systems*
Supervision	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts) System Fault, AC Fault, Ground Fault, Reverse Battery
External Indicators	AC on master on/off switch | Front Panel Mercury Status LEDs
Battery Charging	Maximum charge current 1.0 amp | Maximum battery capacity 40Ah Independent built-in charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Regulatory Compliance	CE, UL294 6th Edition, UL603, UL1076, ULC S318, ULC S319 (can mix and match Mercury and LSP modules togethr in any combination)
Access Panel Mounting	Two slots for LP1502, LP2500, MR52
BTU Rating	RGM75, RGM75B 33BTU/Hr
Physical Dimensions	2U rack mount (19.00"W x 3.50"H x 20.50"D) | Weight 24 lbs. | Z bracket wire management articulating arm

Drawer layout example of 4 door dual voltage



Drawer layout example of 4 door dual voltage managed system



INTERNAL POWER DISTRIBUTION options

D8 - DISTRIBUTED POWER TO Mercury

Eight individually protected power outputs
- *D8P Class 2 power limited at 2.5A per output*
- *D8 Fused at 3A per output*

Visual Indicators
- *DC Presence: Green LED per output*

Removable terminals
- *Accepts #12 to #24 AWG*

C4 - CONTROL OUTPUTS FOR LOCKS

4 access control trip inputs

4 individually protected lock control outputs
- *C4P Class 2 power limited at 2.5A per output*
- *C4 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

M8 - MANAGED OUTPUTS FOR LOCKS & Mercury

8 access control trip inputs
8 individually protected managed control outputs
- *M8P Class 2 power limited at 2.5A per output*
- *M8 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*
- *Activation or deactivation through software*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*
- *AC loss over ride for egress lock control*
- *Trigger points based on voltage or current values to send an alert via email or SNMP*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

FAULT DETECTION AND REPORTING

DETECTED FAULT CONDITIONS (ALL MODELS)

AC Power
- *AC loss, AC low, Master AC power switch*

DC Power and System
- *Abnormal or loss of power supply operation*
- *Over current, over temperature condition*
- *DC output high, low*
- *Battery Presence, Earth Ground (user optional)*
- *Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)*

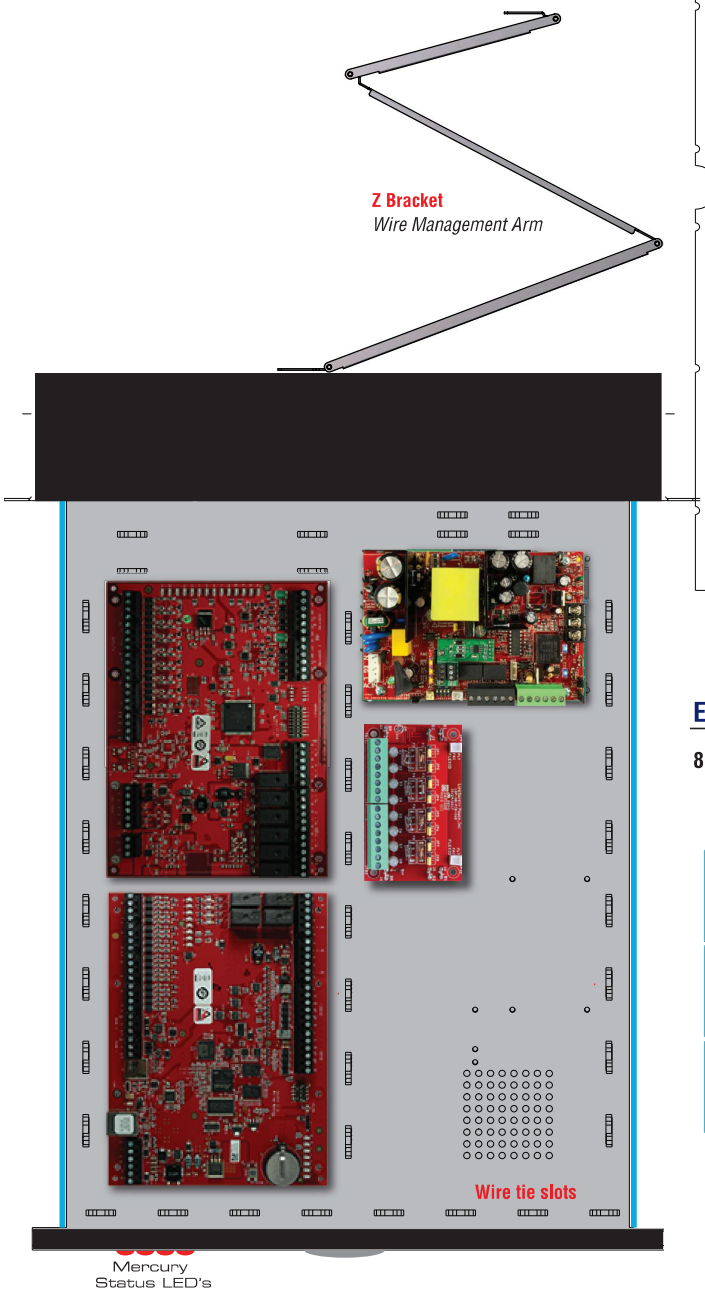
WIRE MANAGEMENT

Wire tie points

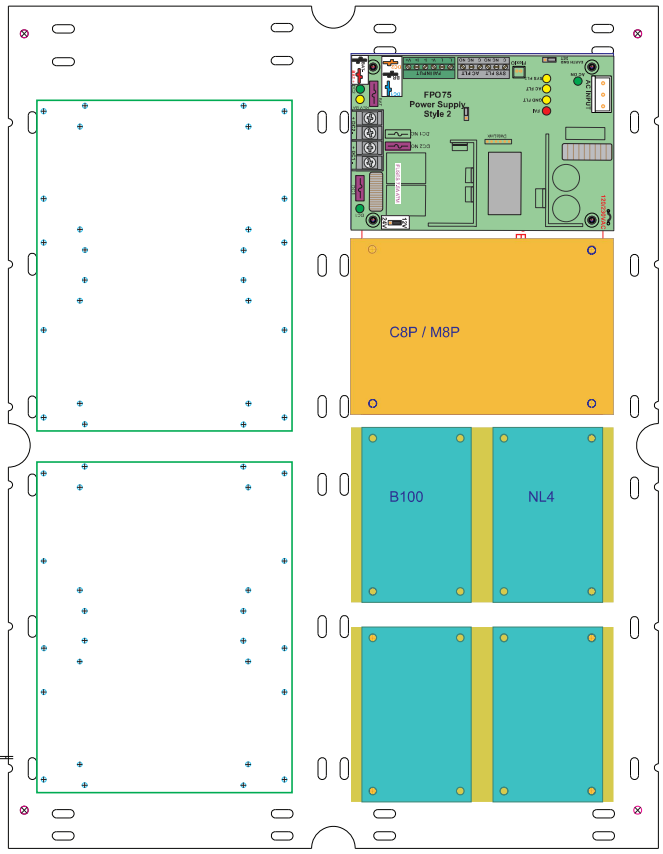
- *Drawer tie down points for access wiring*
- *Back chassis tie down points secures wire bundle*

Articulating arm

- *Z bracket with tie wrap points secures access wiring into drawer*



BACKPLATE CONFIGURATION OPTIONS



EXPANSION | BATTERY BACK-UP

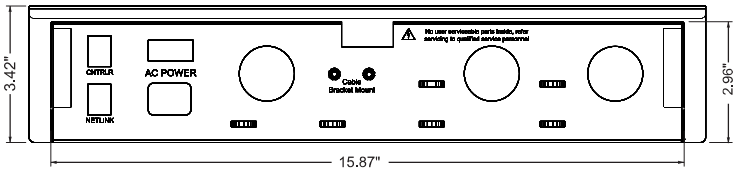
8 Doors

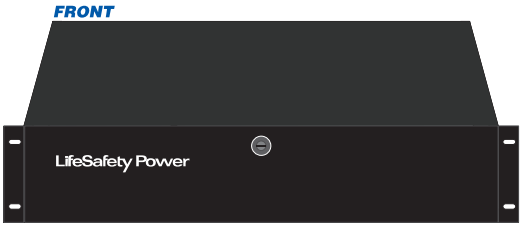
- *Stack multiple Gemini rack mounts for higher door counts*
- *Add RBE battery enclosure for battery back up*

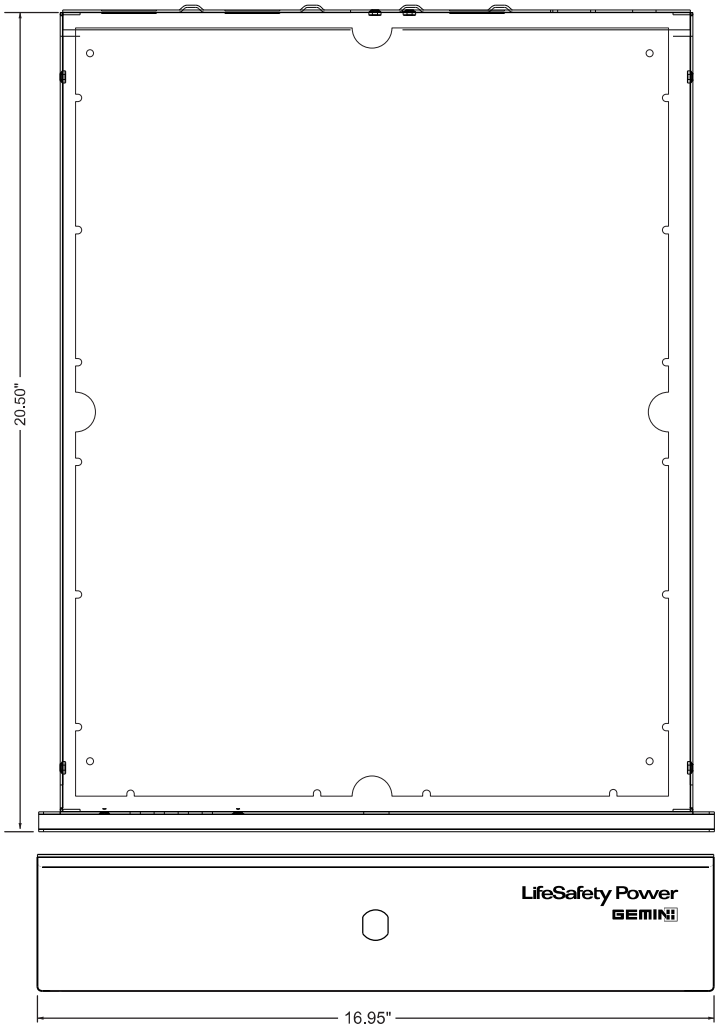
8 Doors w/battery back up

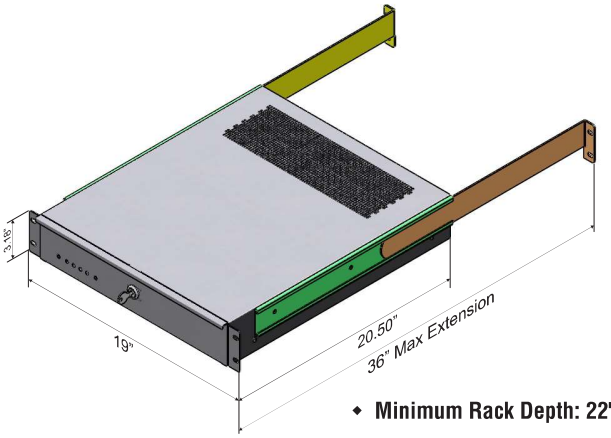
Mechanical

2U rack mount 19.00"W x 3.50"H x 20.50"D
Weight 27 lbs.

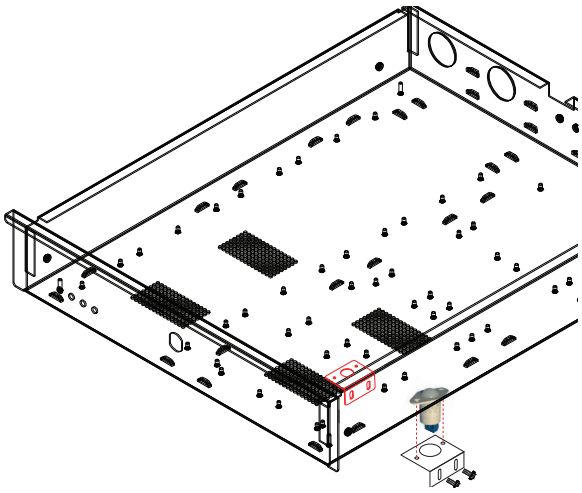








- **Minimum Rack Depth: 22"**



Included Tamper Switch

lifesafetypower.com

(888) 577-2898
info1@lifesafetypower.com

Specifications subject to change without notice.

P01-722A 07/22

LifeSafety Power
10027 S 51st Street, Suite 102
Phoenix, AZ 85044 USA

WV-S32302-F2L1

2MP Indoor Compact Dome Network Camera with AI engine

All-in-one Compact dome camera with AI engine and IR-LED

- 2MP Compact dome camera
- Up to 2 Edge AI analytic apps
- Discreet design
- Wide angle of view (Horizontal 132°)
- Built-in IR-LED (21m/69ft)
- Built-in microphone
- IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant

i-PRO

SPECIFICATIONS

Camera	
Image Sensor	Approx.1/2.8 type CMOS image sensor
Scanning Area	5.57 mm (H) × 3.13 mm (V) {7/32 inches (H) × 1/8 inches (V)}
Minimum Illumination	Color : 0.02 lx (30IRE, F2.1, 1/30s, AGC:11)* 0.03 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0019 lx (50IRE, F2.1, 16/30s, AGC:11)* BW : 0 lx (50IRE, F2.1, 1/30s, AGC:11, IR LED: On) 0.02 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0013 lx (50IRE, F2.1, 16/30s, AGC:11)* *Converted value
White Balance	ATW1/ ATW2/ AWC
Maximum shutter	60 fps/30 fps/15 fps mode: Max.1/10000s to Max.16/30s 50 fps/25 fps/12.5 fps mode: Max.1/10000s to Max.16/25s
Intelligent Auto	On / Off
Super Dynamic	On / Off, The level can be set in the range of 0 to 31. *1
Dynamic Range	144 dB max. (Super Dynamic: On, Level: 31)
Adaptive Black Stretch	The level can be set in the range of 0 to 255.
Back Light Compensation/ High Light Compensation	BLC/ HLC/ Off, The level can be set in the range of 0 to 31. (only when Super Dynamic/ Intelligent Auto: Off)
Fog Compensation	On/ Off, The level can be set in the range of 0 to 8. (only when Intelligent Auto/ Auto contrast adjust: Off)
Maximum Gain (AGC)	The level can be set in the range of 0 to 11.
Color/BW (ICR)	Off/ On(IR Light Off)/ On(IR Light On)/ Auto1(IR Light Off)/ Auto2(IR Light On)/ Auto3(SCC)
IR LED Light	High/ Middle/ Low/ Off Maximum irradiation distance : 21 m {Approx. 69 ft} (30IRE)* , 15 m {Approx. 49 ft} (50IRE) * Converted value
Digital Noise Reduction	The level can be set in the range of 0 to 255.
Video Motion Detection (VMD)	On/ Off, 4 areas available
Scene Change Detection (SCD)	On/ Off, 1 area available
Audio Detection	On/Off
AI Sound Classification	Selectable from Gunshot, Yell, Vehicle horn, Glass break
AI Analytics	AI Video Motion Detection, AI Privacy Guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Non mask Detection (prior to V2.70), AI Occupancy Detection, AI Scene Change Detection For details : https://i-pro.com/products_and_solutions/en/surveillance/products/analytics-software 3rd party applications are also available. https://i-pro.com/products_and_solutions/en/surveillance/solutions/edge-ai-platform/application-list
Privacy Zone	On/ Off, up to 8 zones available
VIQS	On/ Off, up to 8 zones available

Image Rotation	0° (Off)/ 90°/ 180° (Upside-down)/ 270°
Camera Title (OSD)	On/ Off, Up to 40 characters, Up to 2 Lines (alphanumeric characters, marks)

Lens	
Optical zoom	1x
Extra zoom	max 3.0 x (when resolution is 640x360)
Digital (Electronic) zoom	-
Focal length	2.4mm {3/32inches}
Angular Field of View	[16:9 mode] Horizontal: 132° , Vertical: 74° [4:3 mode] Horizontal： 99°, Vertical： 74°
Maximum Aperture Ratio	1 : 2.1
Focus range	0.5 m {19-11/16 inches} ~∞
Aperture range	F2.1

DORI	
Detect (25ppm / 8ppf)	17.1m / 56.1ft
Observe (62.5ppm / 19ppf)	6.8m / 22.4ft
Recognize (125ppm / 38ppf)	3.4m / 11.2ft
Identify (250ppm / 76ppf)	1.7m / 5.6ft

System on Chip (SoC)	
System on Chip (SoC)	Ambarella CV25M

Adjusting Angle	
Adjusting Angle	Horizontal (PAN) angle: -45°to +45° , Vertical (TILT) angle: 0°to +90° Azimuth (YAW) angle: -90°to +90°

Browser GUI	
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser *2	Microsoft Edge, Firefox, Google Chrome

Network	
Network IF	10BASE-T/100BASE-TX, RJ45 connector
Resolution	[16:9 mode(60 fps mode/ 30 fps mode/ 50 fps mode/ 25 fps mode)] 1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode(30 fps mode/ 25 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode/ 12.5 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA *Used by super resolution techniques
H.265/H.264 Transmission Mode / Type *3	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	[GOP(Group of pictures) control] Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced (Fixed GOP 60 seconds with 1 second Key frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control) *Advanced and Frame rate control are only available with H.265. [Smart VIQS] On(High)/On(Low)/Off [Smart P-picture control] On/Off
Audio Compression	G.726 (ADPCM): 32 kbps/16 kbps , G.711: 64 kbps , AAC-LC: 64kbps/96kbps/128kbps *4

Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, LLDP, FTP, SFTP, MQTT IPv4: TCP/IP, UDP/ IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Secure	FIPS 140-2 level 3 (NXP® EdgeLock® SE050F), Device Certificate GlobalSign® pre-installed, HTTPS, User authentication, Digest authentication, Host authentication, IEEE802.1X, System log, Image transmission log, Brute-force protection, Alteration detection, Signed Firmware
SDXC/SDHC/SD Memory Card (Option)	microSDXC memory card: 64 GB,128 GB,256 GB,512 GB microSDHC memory card: 4 GB,8 GB,16 GB,32 GB , microSD memory card: 2 GB
Mobile Terminal Compatibility	iPad / iPhone (iOS 8.0 or later), AndroidTM mobile terminals
ONVIF®Profile	G / M / S / T

Alarm	
Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output

Input/Output	
Monitor Output	-

General	
Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035
Power Source	PoE (IEEE802.3af Compliant)
Power Consumption	PoE DC 48V: 180mA / approx. 8.6W (Class 0 device)
Ambient Operating Temperature	0 °C to +40 °C {32 °F to 104 °F}
Ambient Operating Humidity	10 % to 90 % (no condensation)
Water and Dust Resistance	-
Shock Resistance	IK10 (IEC 62262)
Wind Resistance	-
Dimensions	109 mm (W) x 53 mm (H) x119 mm (D) {4-19/64inches (W) x 2-3/32 inches (H) x 4-11/16 inches (D)}
Mass (approx.)	approx. 455g {1.00 lbs}
Finish	Main body: Aluminum die cast, BLACK / Front panel: PC resin, Clear
Other	Tamper-resistant enclosure *5

NOTES

*1 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
*2 For information on the operation verification of the web browsers, refer to our support website <Control No.: C0132>.
*3 Transmission for 4 streams can be individually set.
*4 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity) .
*5 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver.

Important
– Safety Precautions : Carefully read the Basic Information,Installation Guide and Operating Instructions before using this product.
– i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
– Masses and dimensions are approximate.
– Specifications are subject to change without notice.

OPTIONAL ACCESSORIES

Select a compatible accessory
Accessory Selector (i-pro.com)

WV-QWL500-W
Mount Bracket

WV-QWL500-B
Mount Bracket

WV-QPL500-W
Mount Bracket

WV-QPL500-B
Mount Bracket

WV-QJB502A-W
Mount Bracket

WV-QJB502A-B
Mount Bracket

WV-QJB500-W
Mount Bracket

WV-QJB500-B
Mount Bracket

WV-QCN500-W
Mount Bracket

WV-QCN500-B
Mount Bracket

WV-QCL101-W
Mount Bracket

WV-QCL101-B
Mount Bracket

WV-QAT502-W
Gangbox Adapter

WV-QAT502-G
Gangbox Adapter

WV-SDB256G
i-PRO SD Memory Card

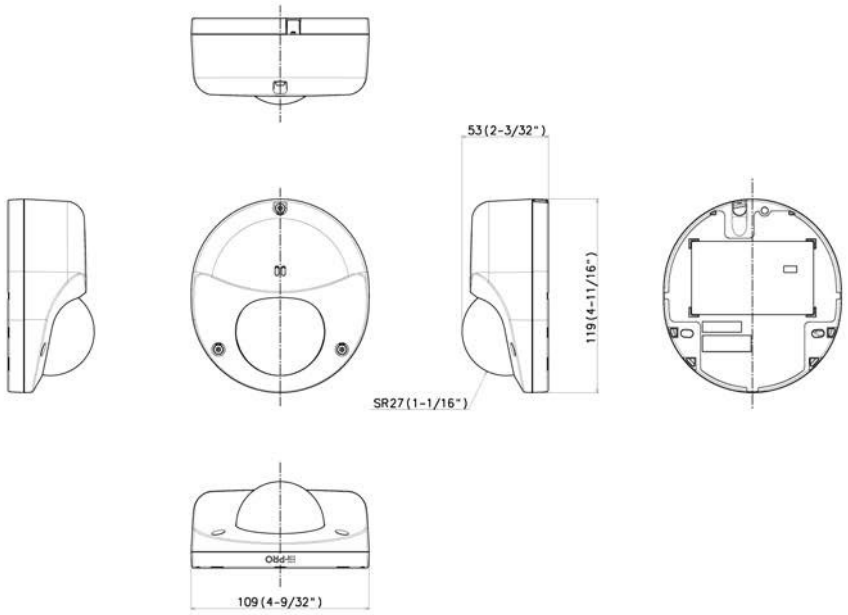
WV-SDB128G
i-PRO SD Memory Card

WV-SDB064G
i-PRO SD Memory Card

WV-SDB032G
i-PRO SD Memory Card

WV-QDC505C
Dome Cover

APPEARANCE



Mass : Approx. 550 g (1.21 lbs)

Unit:mm


WARNING
DO NOT OPERATE SYSTEM WITH
CONFLICT MONITOR DISCONNECTED

Get In Touch

WE ARE HERE TO HELP MAKE
GREAT SECURITY ACCESSIBLE

sts360.com

(972) 392-3635

@sigma-sts-360

info@sts360.com

14229 Proton Rd,
Dallas, TX 75244

Inc5000

DIR-CPO-4770

654-21

1202542335600

B10434601

STS360 SECURITY TECHNOLOGY SOLUTIONS

TURNKEY SECURITY INTEGRATION

ADVANCED END-TO-END SECURITY SOLUTIONS

We have prepared a quote for you

290 Toll - Access Control and Video Surveillance Solution for Toll Cabinets

Quote # STS360STS002985
Version 1

Prepared for:

Central TX Regional Mobility Authority

Cory Bluhm
cbluhm@ctrma.org

FIRM PROFILE

GENERAL COMPANY INFORMATION

Company Name: Sigma Surveillance, Inc. DBA STS360

Principal Place of Business: 14229 Proton Rd, Dallas, Texas, 75244

Main Phone: (972) 392-3635 **Fax Number:** (866) 223-8167

STS360 Contact: Chandler Rawlings

Contact Office Phone: (972) 300-1082 **Contact Cell Phone:** (940) - 366 -5831

Contact Email Address: Chandler@sts360.com **Contact Title: Executive Account Manager**

Secondary STS360 Contact: John Hoffman

Contact Office Phone: (469) 212-6022 **Contact Cell Phone:** (469) 212-6022

Contact Email Address: John@sts360.com **Contact Title: Executive Vice President**

Field Technical Support Center Locations: Dallas, Texas - Carrollton, Texas - Houston, Texas - Austin, Texas - Alice, Texas - Corpus Christi, Texas - Wichita Falls, TX - Fort-Worth, Texas - El Paso, Texas

STS360's PRINCIPALS:

Bobby Khullar, President / CEO **Email:** bobby@sts360.com

John Hoffman, Executive Vice President **Email:** john@sts360.com

Years in Information Technology: 20 **Years in Security Business:** 20

Type of Ownership: Privately held **State of Incorporation:** Texas

Type of Incorporation: S Corporation **Year Founded:** 2005

Number of Employees: 30+ STS360 Employees 100+ subcontractor employees

Vendor ID Number: 20-2542335 **HUB Vendor?** Yes Cert: 1202542335600

Bonding Capacity: $25 million per project / Aggregate $25 million

AUTHORIZED NEGOTIATOR: John Paul Hoffman, Executive Vice President

FIRM PROFILE

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

VENDOR QUALIFICATIONS

STS360 has been designing, installing, and supporting network-based security systems for over fifteen (20) years, and intends to demonstrate to The Central TX Regional Mobility Authority Purchasing representatives that during this time we have garnered significant experience and qualifications that make us an outstanding candidate for consideration of award. STS360 has been installing and supporting large Video Surveillance, Access Control, Intrusion and Audio visual installations for State Agencies, Counties, Cities, Towns, and Schools for years.

STS360 was founded as an IT Systems consultant and integrator in 2000. We found ourselves naturally moving core services to security solutions due our customers' increasing demands for network-based security. Since we were already proficient in networks and IT Systems, the transition was natural and STS360 became a leader in providing IP solutions well before they became commonplace solutions. We tailored innovative security solutions to solve our clients' security needs and provide high ROIs through loss prevention, improved operational oversight, liability mitigation, reduced investigation times and safer, more secure environments.

STS360 is highly qualified and experienced in the services we perform and product lines we offer. STS360 is very careful to approach technology with a few key prejudices. (1) it must be expandable, meaning that the end user should not be limited in their ability to expand their security system in the future should they desire to, whether because of technology limitations or cost limitations; (2) the products must be proven to be of the highest of quality available in the market for that type of product. Our customers deserve a strong solid solution with a long-term lifecycle and support, and we will not promote a product we do not believe will be the best return on investment for our customers At STS360 our experience proves invaluable to the longevity of our partnerships with our clients and supported systems.

STS360 invests in our success by investing in our employees' growth. We certify all STS360 technicians on the various products that we sell and support. STS360's operational procedures also mandate a minimum of 8 hours of training per month for all of our senior and field technicians as a part of their job duties, because there's always room to learn and improve. These monthly trainings can range from manufacturer factory certification training and network certification, to online tests on industry codes & hands-on trainings in our technology lab at STS360 headquarters. STS360 also invests in our subcontractor's education and frequently brings them into our training program to insure they are meeting our high standards.

Considering the sensitive and, unfortunately, critical nature of the service we provide, STS360 has been successful in fostering long-term customer relationships because of our stellar performance and support. We have installed and continue to support tens of thousands of devices for our customers because they trust us to provide the same unparalleled support year after year.

STS360 excels in being flexible, exercising creativity, and providing unwavering attention to detail to customize unique Security Technology Solutions to achieve our clients' diverse needs. We can do this because we have the talent of a large company with the maneuverability and competitiveness of a small one. With a team of technically savvy systems engineers, field service technicians, support staff, account managers and project managers instead of solely technical, contractual and sales expertise, STS360 can honestly say that we truly rise to any challenge a client puts forth to us.

ADDITIONAL QUALIFICATIONS:

HUB CERTIFIED BUSINESS: 1202542335600
NCTRCA, MBE, SBE

As a Certified HUB, we are proactive in HUB outreach and attend/exhibit as such in conferences statewide. We participate in the DIR Conference's HUB Networking Event and build relationships with Minority owned businesses across the State of Texas that are pursuing the

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

status while promoting its benefit to those subcontractors utilized that are not yet certified. We approach every project with a goal of assisting our community.

HIGH BONDING CAPACITY

Lastly, we believe that our strength in our bonding capacity speaks volumes to our qualifications and financial stability. When you work with STS360 you can guarantee that you are working with a solid company who will always be there for you. STS360 has been bonding projects for over 15 years. We have a bonding aggregate capacity of $25million, up to $25million for a single project, and have had active bonds upwards of $25million at any given time. We have successfully completed all the bonded projects and continue to have our bonding capacity increased year after year when Philadelphia Insurance does their yearly audits.

i-PRO PREFERRED PARTNER

STS360 received and maintains the Premier "i-PRO Preferred Partner" designation for outstanding understanding of the product, solutions, and expertise in integration. This prestigious status provides STS360 the ability to offer forensic software and analytics unavailable outside of 15 dealers nationally. Additionally, it provides STS360 with extra resources to improve competitive advantages when proposing i-PRO Solution as well as Operating Inventory Priority.

SAFETY AND COMPLIANCE – SINCE 2005

- OSHA COMPLIANCE – **100%**
- OSHA INVESTIGATIONS - **0**
- Employee Injuries – **0** Since Business Inception
- Subcontractor Injuries – **0** Since Business Inception
- Average MOD Factor – **0.93**

MANAGEMENT STRUCTURE

Bobby Khullar - CEO, President, Owner

Bobby had a successful career in Federal contracts and IT. Seeing the increased need for IP Security Products, Bobby built STS360 from the ground up in 2005. With keen knowledge of IT and government contracts, and the firm dedication of his carefully assembled team, he rapidly grew STS360 by leading with IP technologies in a time when analog technology still dominated the market. For 18 years, STS360 continues to be a leader in the security public sector market with Bobby at its helm.
bobby@sts360.com

John Paul Hoffman – Executive Vice President

John Paul Hoffman, a security industry veteran of 20 years, worked through the ranks to Executive Vice President where he assists in managing STS360 while actively running his sales team. He maintains the Texas Security Integrator market by cultivating relationships among Texas State Agencies, Counties, Cities, Towns, School Districts, and manufacturers. John is well known for his availability and willingness to consult on the industry. Heavily certified in security technology, versed in installation requirements, and customer devoted, his clientele confidently rely on his guidance.
john@sts360.com Cell: (972) 300-1082

Jose Garza – CTO

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Jose Garza has been in the IT sector for over 25 years, working in both Private and Public Sectors. As CTO, he is responsible for maintaining the level of quality of IT Services provided by STS360 as well as ensure STS360 is operating at the latest industry standards. As COO, Jose overseas the Company's Service and Project Teams. Jose Garza is 3-time Cisco Certified Network Professional (CCNP) in routing and switching. Jose Garza is also holds Microsoft, CompTIA, and HP Certifications. He has also worked to provide Cybersecurity Solutions assessments to the Public and Private Sectors.

Jose Avina - Field Operations Manager

Over a decade of experience has Jose Avina managing the physical implementations of STS360 Projects. A Certified Level 3 Alarm and Fire Auditor, Jose joined STS360 to run the company's onsite operations initially with the Safe City Program. Jose has risen to manage several team schedules and he quality controls installations of his team leads and technicians. Setting the bar of standards for field execution of cabling, mounting, and proper field etiquette, his patience, integrity, and respect have earned him a reputation for excellence by end users and employees alike.
avina@sts360.com

Kartavya Mahadevia – Senior Technical Project Manager and Engineer

With over 20 years of experience in Information technology and project management, he has been with STS360 since 2005. Kart is a Microsoft Certified System Engineer and has certifications from various leading security manufacturers. Kart's expertise is in various Video Management, Access Control, Intrusion, Wireless, Server, Storage and Networking System technologies. He is an integral part of System Design to System Deployment and System Support and he manages several teams. Kart has earned many accolades from our customers and will serve as the front man for technical troubleshooting, system configuration, and training.
kart@sts360.com

CERTIFICATIONS

Video Management Systems

Verkada	Video Insight
OnSSI	Exacqvision
Milestone	Salient
Axis	Wisenet WAVE

Access Control Systems

MonitorCast	Continental Access
Open Options	SALTO Systems
Isonas	RS2

Camera Certifications

Panasonic/Arbitrator	Illustra
Axis	Advidia
Hanwha	FLIR

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Sony	Hikvision
Bosch	Mobotix
Honeywell	Interlogix
Arecont	GeoVision

PROJECT MANAGEMENT

STS360 knows the only way a project will be successful is if all key components come together and are well organized and managed both before and throughout the entirety of the implementation. The key components of a project are Scope, Schedule (time), Budget (cost) and of course, Quality. At STS360 our project managers focus on these key elements and are supported by a solid team of professionals working to exceed expectations.

A project always starts with **Scope**; do the customer and STS360 clearly understand and agree upon the scope of work and products to be installed? This does not simply refer to what is proposed and awarded, this is more granular and begins as soon as the contract is awarded. The STS360 design team will work with the Central TX Regional Mobility Authority stakeholders to tour facilities, refine any unique design needs for each location and environment, and present a final design and scope for each location to the Central TX Regional Mobility Authority Stakeholders. Once the design is agreed upon, the project manager will work with the Executive Stakeholders and the STS360 Project Coordinator to schedule a project kickoff meeting for all involved parties including all CTRMA support team stakeholders, CTRMA IT Department, STS360 project team members, STS360 Executive Oversight, and any subcontractor representatives. Prior to this meeting the STS360 project manager will review pre-project documentation with the Executive Stakeholders, including but not limited to system rights and configuration settings, final drawings & diagrams, phase payment schedules and milestones, and communication plan with assigned roles and responsibilities. Any revisions will be completed prior to the kickoff meeting. We propose the project kickoff meeting be held on site and the installation schedule, security procedures / risk mitigation, and communication plan be addressed. After the formal kickoff meeting, we propose to have each site walked before any equipment is placed or installed to seek approval for any penetrations, equipment placements or special considerations. Also, this allows the local representative whether that be the IT Manager or CTRMA Engineer or whomever the agency assigns, to become familiarized with the scope, schedule and team that will be working with on their territory.

The next key component of course is managing **Budget (Cost)**. STS360 does not believe in going in low and change ordering our customers' after award to gain our profit. What we propose is what you pay. The only time you will see STS360 asking you for a revision to a purchase order is if the customer asks us to add additional components to the scope. If something was missed in our proposal STS360 takes liability for any impact to our profitability that causes. If our costs increase on equipment or labor STS360 takes liability for the impact to our profitability. Return on investment is an important factor that we must consider when designing a project, especially when budgets are tight and recurring fees just add to the overall cost but provide little value over the life of the final product itself. With that in mind, STS360 the products we have chosen are from market leaders in their respective technologies was specifically designed for use in enterprise scenarios with an eye to quality and long-term ROI.

Thirdly we have **Schedule (Time)**. On projects time, can have a way of running away from you if not managed properly, and we know our clients' time and their need to have a functional system as quickly as possible is paramount. As part of our project plan, we have proposed these projects be completed in multiple phases to ensure an expeditious completion to all aspects of the scope of work. We will consider each install a "phase" and while some of these phases may run concurrently as they are able to be managed separately to make best use of resources. We are dedicated to a smoothly run project. To delay each significant milestone, punch lists, 3rd party testing & documentation acceptance until the end of the project when ALL locations are completed, will create a bottleneck at the end of the project and prolong a successful completion. Therefore, we will attend to each installation location as a separate "phase." STS360 will also train local and administrative staff after each facility is installed instead of just waiting until the end. We will also conduct a final training with any parties that need to attend or want to be refreshed, in a central location for a min 4 hours if required.

Lastly but not least you cannot talk about a project plan without discussing **Quality**. Quality control checks and balances must be a

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

continuous part of a project, not left to the end of a project. Leaving quality control to the end of a project leads to extensive punch lists, delayed documentation completion, throwing off the schedule & most importantly will make the agency question our qualifications. Before any product even reaches the site for installation it will be bench tested in our lab in Dallas to ensure it is functional. It will then be burned in for a period of no less than 24hrs, in a simulation exactly to scope for this project, to ensure the functionality is working correctly. Then all hardware will be pre-configured with IP addresses provided by the agency and labeled by location, IP address and the system documentation started before it ever leaves our facility. Each site will be assigned a job supervisor and enough crew members to complete the job on time or earlier. Senior Technicians and /or Project Manager will be visiting each facility at a minimum of 2 days per week if not more to manage the supervisors progress, do spot quality checks, ensure that the workspaces are being kept clean and safe, and to retrieve documentation. If the senior technician or the project manager find any discrepancies, they are immediate addressed and fixed by the appropriate party. Our Project Coordinator continually does audits on the work product coming from the field, e.g. Is the project team on schedule? What staff is onsite and what did they do that day? Did they show up on time and leave on time? Are there additional materials or equipment needed to be sent out and when does it need to be delivered? Are the system documentation and drawings being updated and added to our secured CRM, so we always have the most up to date information? Is the system documentation correct and formatted clearly? At the end of the project phase and upon our own internal review of quality, STS360 will notify the agency that we are ready for a final system test and punch list walk through assessment with the assigned stakeholder. Any discrepancies found are noted and corrections made immediately. The likelihood of a significant punch list, however, is slim due to our dedication to quality throughout the installation.

To conclude this section, it is important that we note that not only will we comply with the documentation that is requested by the agency, STS360 also provides an extensive amount of data that is searchable and updated throughout the warranty period as equipment is replaced. This includes but is not limited to any serial numbered device showing the following information:

- Part Number
- Description
- Serial Number
- Mac Address
- Ip Address
- Campus / Facility
- Camera Name
- Camera Installation Location
- Camera Mount Type
- Indoor / Outdoor Designation
- Associated IDF / MDF
- Associated Rack
- Associated Patch Panel Ports
- Associated Network Switch Name
- Associated Network Switch Ports
- Associated Power Source (If Applicable)
- Camera Settings
- Live and Recording Settings
- Live Server Path
- Archive Path
- Mfg. Warranty
- And Other Related Settings

14229 Proton Rd
Dallas, Texas 75244
sts360.com
(972) 392-3635

STATEMENT OF WORK - Toll Cabinets

STS360 is pleased to offer the below statement of work for Central TX Regional Mobility Authority

STS360 will be responsible for providing a Turnkey Quote and Build out for Roadway 290 Toll requested Access control and video Surveillance solution for the toll cabinets.

STS360 has proposed a solution including installation, operation and services for the complete system as requested.
STS360 will be responsible for installing, configuring and servicing the following, including but not limited to:

Installing a access control and video surveillance system to each 141 toll cabinets.

Total Roadways and Final Counts:

		1-Door Cabinet		2-Door Cabinet		4 - Door Cabinet		Total	
Roadway	Deployment	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total Cabinets	Total No. of Doors
183A	Tolling	5	5	3	6	2	8	10	19
183A Ph III	Tolling	0	0	0	0	10	40	10	40
183A Ph III	ITS	4	4	11	22	0	0	15	26
183 Toll	Tolling	0	0	13	26	1	4	14	30
290 Toll	Tolling	3	3	1	2	8	32	12	37
290 Toll	ITS	0	0	19	38	0	0	19	38
Mopac	Tolling	0	0	1	2	4	16	5	18
Mopac	ITS	0	0	4	8	0	0	4	8
SH 71	Tolling	0	0	1	2	1	4	2	6
45SW	Tolling	0	0	0	0	1	4	1	4
183N	Tolling	0	0	0	0	3	12	3	12
183N	ITS	0	0	46	92	0	0	46	92
Total:								**141**	**330**

STATEMENT OF WORK - Toll Cabinets

Total Number Of Cabinets for 290 Toll:

Roadway	Deployment	1-Door Cabinet No. of Cabinets	1-Door Cabinet No. of Doors	2-Door Cabinet No. of Cabinets	2-Door Cabinet No. of Doors	4 - Door Cabinet No. of Cabinets	4 - Door Cabinet No. of Doors	Total Total No. of Cabinets	Total Total No. of Doors
290 Toll	Tolling	3	3	1	2	8	32	12	37
290 Toll	ITS	0	0	19	38	0	0	19	38

37 = Cameras
75 = Doors Total

Lp1502 = 31
Mr52 = 8

Project Planning and Site Assessment

- **Site Survey**: Inspect the installation site to assess physical space, power requirements,and any structural considerations.
- **Space Evaluation**: Measure the space and confirm adequate clearance and accessibility for installation.
- **Project Planning**: Outline the full project timeline, including milestones for delivery, installation, and testing.

2. Design and Engineering

- **Power / Data Layout**: Design the data distribution to ensure uniform power delivery and stable data connections to each Server.

3. Servers (AI Servers, VI Servers, and Access Control Server)

- **System Configuration**: Set up the video and access control systems and settings. (Will Train CTRMA)
- **Content Management System (VMS)**: Install or configure the VMS for managing and scheduling displayed content.
- **Video Calibration**: Adjust brightness, contrast, and color uniformity across panels to ensure consistent image quality.

4. Software Configuration

- **Input Source Configuration**: Configure video inputs and outputs from the media player, streaming sources, or other AV equipment.
- **Control System Programming**: Set up software for user-friendly control, such as switching inputs, scheduling, and adjusting settings. Will also work with CTRMA to set up AI analytics and system rules for the access control and video management software.

5. Training and Handover

- **Training**: Train users on system controls, content management, and basic troubleshooting.
- **Documentation**: Provide comprehensive documentation covering system setup, maintenance, and troubleshooting.
- **Maintenance Schedule**: Outline a recommended schedule for cleaning, maintenance, and inspection.

6. Post-Installation Support

- **Warranty and Support**: Provide warranty details and contact information for ongoing support.
- **Remote Monitoring (if applicable)**: Set up remote monitoring for diagnosing and addressing issues.
- **Onsite Troubleshooting**: Offer support options for addressing hardware or software issues post-installation.

Bill of materials:

14229 Proton Rd
Dallas, Texas 75244
sts360.com
(972) 392-3635

STATEMENT OF WORK - Toll Cabinets

- HES locks
- Type 2 Brackets – Custom CTRMA Cabinet brackets
- Latchbolt Throw: 1/2" Lock Type: Cylindrical Lock Wired - Wiegand for ILP Toll walk in buildings.
- Door/cabinet contacts
- Access control boards (MC-LP1502) and (MC-MR52-S3B)
- Video Surveillance Cameras (i-PRO)
- blue tooth Readers – one per door – with 100 BT licenses 3y

- Cable: CAT6 and Access Control Cable
- Patch cords 3ft
- LSP Rack mounted enclosure 300 - (Gemni unified rack mounted system)

This Quote is for a one trip and turnkey install for all 31 cabinets. Any Cabinet that is not ready for install once STS team has been deployed and requires additional trips is subject to a change order for each additional trip. This also applies to any cabinets that are faulty and in need of repair that causes a delay prior to the arrival of STS for deployment once deployed.

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
MC-LP1502	I-Pro	Intelligent Controller (2 Rdrs, 8 Inputs, 4 Outputs)	31	$2,279.94	26.85%	$1,667.85	$51,703.35
MC-MR52-S3B	i-PRO	Reader Interface Module - Series 3B (2 Rdrs, 8 Inputs, 6 Outputs)	8	$1,043.40	26.85%	$763.28	$6,106.24
WV-S32302-F2L1	i-PRO	2MP INDOOR VANDAL DOME CAMERA WITH AI ENGINE, H.265/H.264/MJPEG, 2.4MM FIXED LENS, IR LED, BUILT-IN MICROPHONE, IP66, IK10, FIPS 140-2 LEVEL 3 COMPLIANT, 5 YEAR WARRANTY, VIDEO INSIGHT 7.9.X OR HIGHER, BLACK COLOR	37	$512.81	28.31%	$367.64	$13,602.68
630REL-XT1130	HES	RUGGEDIZED ELEC MAG DEADLOCK CABINET LOCK	75	$1,299.00	44.93%	$715.38	$53,653.50
70-SN200-10XG271-BIPS-0E-L-L-26D-RH	STS360	Latchbolt Throw: 1/2" Lock Type: Cylindrical Lock Wired - Wiegand	3	$2,712.50	50.00%	$1,356.25	$4,068.75
QC-C1500P	STS360	15' 2 Inch Wire HarnessWith 8 & 4 Pin ConnectorMolex Connector One EndPins Crimped Other End 12 Wires	3	$165.42	50.00%	$82.71	$248.13
STS-Cust-DH	STS360	Type 2 Brackets - Custom	75	$125.00	50.00%	$62.50	$4,687.50

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
RGM75B-M8PNZ	Lifesaftey power	RGM75B-M8PNZ is a dual voltage, power supply-battery charger system. The unit is configured in a painted, steel, locking enclosure with tamper switch and integral battery space, and provides 2 FPO power supplies, each of which can be set for 12 or 24V. A	31	$1,801.00	28.16%	$1,293.83	$40,108.73
20NKS-00-000000	HID	SIGNO 20,BLK/SLVR,PIG,CRD PFL STD,MA RDY,FMT:ASP10022,WIEG,32-B MSB,EM:32-B,LED:RED,FLSH:GRN,BZR,SRF:ON,IPM:OFF,V EL:OFF,TAP	75	$412.58	42.22%	$238.38	$17,878.50
31951099	Honeywell	18-4+22(2+4+6)1S CMP PROFN 1M	3	$1,099.00	17.38%	$907.97	$2,723.91
77-240-2B	Superior Essex	4x23 CAT 6 CMP Blue 1,000ft Box	3	$499.00	30.04%	$349.08	$1,047.24
1076D-M	Edwards Signaling	Flush Brown Door Position Switch (contact) DPDT	75	$88.00	41.25%	$51.70	$3,877.50
N238-001-BL	Tripplite	Cat6/Cat5e 110 Style Punch Down Keystone Jack - Blue, TAA	37	$7.10	53.66%	$3.29	$121.73
N201-003-BL	Tripplite	Cat6 Gigabit Snagless Molded (UTP) Ethernet Cable (RJ45 M/M), PoE, Blue, 3 ft. (0.91 m)	37	$6.62	53.78%	$3.06	$113.22
MISC	STS360	Misc. Accessories and Consumables	1	$35,900.00	50.00%	$17,950.00	$17,950.00
TPM	STS360	Technical Management and System Programming	1	$68,191.90	50.00%	$34,095.95	$34,095.95
LABOR	STS360	Project Implementation and Installation	1	$308,311.56	50.00%	$154,155.78	$154,155.78
WAR0001	STS360	1 Year Onsite Parts and Labor Warranty	1	$61,900.00	50.00%	$30,950.00	$30,950.00

Subtotal: **$437,092.71**

290 Toll - Access Control and Video Surveillance Solution for Toll Cabinets

Prepared by:

STS360

Chandler Rawlings
940-366-5831
Fax (866) 223-8167
Chandler@sts360.com

Prepared for:

Central TX Regional Mobility Authority

3300 N IH-35 Suite 300
Austin, TX 78705
Cory Bluhm
(979) 220-2551
cbluhm@ctrma.org

Quote Information:

Quote #: STS360STS002985

Version: 1
Delivery Date: 02/04/2025
Expiration Date: 02/23/2025

Quote Summary

Description	Amount
DIR-CPO-4770	$437,092.71
Total:	**$437,092.71**

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors. Net 30-Day Payment standard.

STS360

Signature: _____

Name: Chandler Rawlings

Title: Sales Representative

Date: 02/04/2025

Central TX Regional Mobility Authority

Signature: _____

Name: Cory Bluhm

Date: _____

STS360 PROPOSED PAYMENT SCHEDULE

CTRMA - Toll Cabinets	BILLING PHASE			
MILESTONE	**Invoice 1**	**Invoice 2**	**Final Invoice**	**TOTAL**
1. Hardware	$ 199,940.98			$ 199,940.98
2. Per Roadway Completion		$ 213,436.56		$ 213,436.56
3. Final Sign Off and Completion (10%)			$ 23,715.17	$ 23,715.17
Totals Per Billing Phase	$ 199,940.98	$ 213,436.56	$ 23,715.17	**$ 437,092.71**

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SERVICE LEVEL AGREEMENT

STS360 has provided a 1-year full hardware and labor onsite warranty for all STS360 supplied and installed components. STS360 warranties and guarantees all products, material, labor and work done for the Customer on this project. All new hardware and installation will be covered under the 1-year onsite warranty. All warranty replacement, installation, integration, maintenance, and required testing will be provided at no cost to The Customer within this 1-year period. STS360 is offering a 24/7 toll free service support line, 4-hour engineer on phone response and 48 hour onsite response.

I. SUMMARY

MISSION STATEMENT

STS360, or CONTRACTOR, will provide the Customer, hereby and here on referenced to as the OWNER, the establishment of procedures in which to successfully fulfill Surveillance and Security Systems maintenance services via improvement of existing support processes, scheduling of implementations, and expedient fulfillment.

SERVICES OVERVIEW

STS360 will provide a comprehensive 1-Year Onsite hardware and labor warranty in conjunction with this project. STS360 warranties and guarantees all products, material, labor, and work done for the Customer under this project. All warranty replacement, installation, integration, maintenance, and required testing will be provided within this 1-Year period unless outside of the terms specified below. STS360 is offering a 24/7 technical support toll free number for service. STS360 guarantees a 2-hour engineer on phone response for phone troubleshooting and a 48-hour onsite response for all warranty service or per the terms of the contract. STS360 has included dedicated service technicians for this project as part of this proposal. This will greatly reduce the response and service times. STS360 will stock spares (see scope for list).

DESCRIPTION OF SERVICES

Beginning upon final acceptance of project, STS360 will provide to OWNER the following services (collectively, the "Services"):

1. STS360 will provide 1-Year onsite labor warranty on all provided hardware and labor and integration services are warranted through STS360 from the date of final acceptance. It will not include the cost of parts and labor for OWNER not adhering to the standard terms or outside of specified terms and conditions of this contract. Parts installed by STS360 will be serviced according to their existing manufacturer's warranty; components not provided or installed by STS360 and outside the terms of Manufacturer warranty and subject to Purchase Order. Service calls will be billed when these incidents are approved by both parties. (this only refers to the need for new components not originally procured or installed by STS as apart of the original scope/project to fix an issue)
The proposed and accepted response terms of this warranty contract are:

LEVEL 1 SUPPORT:

- A Toll-free number to reach a live Technical Service Representative 24x7x365.
- A Return call from on-call Systems Engineer / Technician within 4 Hours for remote or phone support.

LEVEL 2 SUPPORT:

- Additional Troubleshooting is needed; technician is dispatched onsite within 48 hours to resolve the problem.
- Optimization, Maintenance and Quality Checks performed when techs are onsite

LEVEL 3 SUPPORT:

- Problem is understood and diagnosed, equipment / materials needed to repair / resolve the issue on hand, technician is dispatched onsite within 48 hours from level 2 dispatch
- All Level 3 services to be 100% closed and resolved within a maximum of 72 hours (does not apply to Force Majeure incidents or when manufacturer lead times are delayed).
- Optimization, Maintenance and Quality Checks performed when techs are onsite

2. All hardware, software, material and other warranties past this 1-Year contract term, and not renewed in an additional warranty contract year through STS360, will be the sole responsibility of the OWNER to contact the manufacturer directly to obtain replacement, repair or technical support.

ACCESS TO DATA AND COMPUTERS

On request, OWNER agrees to provide Contractor with evidence of a programming error, if the Contractor is unable to replicate the issues reported in a work order. Recipient further agrees to provide Contractor with access to OWNER computers, servers, networks, view stations, cameras and sufficient computer time to enable Contractor to duplicate the problem, determine that it results from a warrantable cause and, after corrective action or replacement has taken place, and determine that the problem has been alleviated. STS360 also requires that OWNER allow access to stored data, upon notification, and the ability to remove data that is causing conflicts and/or inhibiting the ability to repair system to its full functionality.

MODIFICATIONS EXCLUDED

Contractor shall not be obligated to provide support services pursuant to this Contract with respect to any modifications of the Software, configurations of the systems, new applications, additional hardware outside of scope, operating systems, and other adjustments made for any reason during the service contract by OWNER or to any computer program incorporating all or any part of this system.

COSTS AND EXPENSES

If terms in this contract for warranty / maintenance and services are determined to not be met by owner, when technician is on site, all work on the service will be put on hold until a purchase order is issued for the work needed to be performed to correct the issue. Parts and service labor will be covered by STS360 for any failure that is proven to be a failure in material or workmanship under normal use during the applicable warranty period. This coverage is limited to parts and labor. The warranty for replacement parts is limited to direct replacement. STS will not bill for a service call within the term of this SLA.

TERM PERIOD

This Contract will remain in effect for a period of (12) Months or (1)-Years from the date of final acceptance. This SLA can be extended year to year or multiple years after the 1 year term is up.
SLA renewal quotes will be generated before the expiration of of current term.

CONFIDENTIALITY

STS, and its employees, agents, or representatives will not at any time or in any manner, either directly or indirectly, use for the personal benefit of STS, or divulge, disclose, or communicate in any manner, any information that is proprietary to Owner. STS360 and its employees, agents, and representatives will protect such information and treat it as strictly confidential. This provision will continue to be effective after the termination of this Contract.

GENERAL WARRANTY

STS360 shall provide its services and meet its obligations under this Contract in a timely and workmanlike manner, using knowledge and recommendations for performing the services which meet generally acceptable standards in STS's community and region, and will provide a standard of care equal to, or superior to, care provided by Contractors similar to STS360 on similar projects. Contractor shall not be liable for any delay in performance directly or indirectly resulting from acts of Owner, its agents, employees, or subcontractors.

HARDWARE SUPPORT STS360 warrants to the original purchaser (PURCHASER) that each product of its manufacture (PRODUCT) is covered by this warranty from the date of delivery if properly installed, serviced, and operated under normal conditions. Any part or parts there of replaced during the base warranty period assumes the remainder of that warranty period or the parts warranty period, whichever is greater. The warranty coverage for the PRODUCT is continual from the original date of purchase and does not restart upon the replacement of any part or complete unit. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA. Parts and service labor will be covered by STS360 for any failure that is under normal use during the applicable warranty period. This coverage is limited to parts and labor. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA.
The warranty for replacement parts is limited to direct replacement.

STS360 reserves the right to repair or replace any part, component, or assembly at its option. STS360 may request defective parts be returned for examination before the issuance of credit. Any item that is replaced under warranty becomes property of STS360. ***PROCESS FLOW*** OWNER experiences issue with Security Equipment. (While all this information is not mandatory, STS will need details in regard to the issue in order to rectify the issue. STS will have all system documentation, STS will just need general information of the issue)

1. OWNER submits a request to STS360 24/7 TSG (technical support group) describing the following:
   - **a.** OWNER / Department / Site Name
   - **b.** Point of Contact (OWNER PoC) Information and Title
   - **c.** Pertinent Information relating to service request
   - **d.** If available, Device IP Number / Camera Number / Reader Number
   - **e.** Device Location
   - **f.** Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules site visit with provided PoC.
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist and schedules visit.
4. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
5. STS360 Security Specialist evaluates location, troubleshoots issue.
   - **a. Troubleshooting fixes Issue** – STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   - **b. Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component.
     - **i. IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
     - **ii. IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
     - **iii. IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
       a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (see Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (see Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist to return and resolve issue.
9. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.
11. STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket status, notes, and uploads final acceptance sign-off document.

12. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.

SOFTWARE SUPPORT

STS will need general information of the issue.

PROCESS FLOW

OWNER experiences issue with Security Software.

1. OWNER submits a request to STS360 TSG (technical support group) describing the following:
   g. OWNER / Department / Site Name
   h. Point of Contact (OWNER PoC) Information and Title
   i. Pertinent Information relating to service request
   j. If available, Device IP Number / Camera Number
   k. Device Location
   l. Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules Security Specialist/Engineer Remote-In/Onsite Session with provided PoC (SEE Statement of Work/Access to Data and Computer).
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist/Engineer and schedules Remote-In/Onsite Session internally.
4. STS360 Security Specialist/Engineer calls OWNER PoC to inform of Remote-In/Onsite Session.
5. STS360 Security Specialist/Engineer evaluates system status, troubleshoots issue.
   a. **Troubleshooting fixes Issue** – STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   b. **Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component (SEE Asset Management/LifeCycle Maintenance).
      i. **IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
      ii. **IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
      iii. **IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
         a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (SEE Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (SEE Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist/Engineer to return and resolve issue.
9. STS360 Security Specialist/Engineer calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist/Engineer replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.

11. STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket status, notes, and uploads final acceptance sign-off document.
12. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.

III. PARTY COMMUNICATIONS

PLACING A WORK ORDER REQUEST

Call Toll Free: (866) 506-7446

Email: technicalsupport@sts360.com

Our Technical Support Group (TSG) is there for you 24x7x365 and is just a phone call away. A live person will answer immediately, do some basic troubleshooting, and generate a work order while the OWNER is on the phone with TSG representative. If they are unable to assist you to a successful fix of the issue, they will immediately reassign the work order to, and contact the appropriate Level 2 support personnel who will be in contact within 2 hours or less to help resolve the issue, direct you to submit an RMA, and/ or dispatch an on-site technician. STS360 requests the party submitting the work order have some of the following information ready when calling the TSG, because the more information provided, the better we can assist in resolving the issue more expeditiously.

STS360 will request the following information in order to expedite service.

- OWNER / Site Name
- Your Contact Information and Title
- Sales Invoice / Work Order / Or Purchase Order Number (if available)
- Pertinent Information relating to your service request
- Device IP Number / Camera Number
- Device Location
- Description of issue / concern

OWNER POINT OF CONTACT

1. OWNER agrees to provide STS360 a Project Manager as the Primary Point of Contact
2. OWNER's Primary POC will be responsible for resolving financial or business issues outstanding and assist in facilitating final acceptances.
3. OWNER agrees to provide all STS360 necessary system documentation for access to existing systems
4. OWNER agrees to provide logins or access to any Ticketing or ERP system used by the OWNER at no charge to STS360.
5. OWNER agrees to provide assistance in coordination of departmental resources necessary for successful fulfillment.

IV. ASSUMPTIONS AND EXCEPTIONS

Services or Work Product will be deemed acceptable to OWNER if it conforms in all material respects with Services described in this project or Bill of Materials. STS360 will have full responsibility for the deliverables and the tasks listed in each project or Bill of Materials.

OWNER will complete a review of each submitted deliverable within five workdays from the date of delivery. OWNER feedback which indicates revisions to a deliverable are required will be addressed and re-submitted by STS360 within five workdays unless approval (in writing) for a different length of time is obtained from the OWNER or designate.

OWNER will either accept or reject STS360's Services or Work Product within a reasonable number of days from performance. For this Project, Services or Work Product will be accepted or rejected within 5 days from delivery completion date. Failure to provide acceptance or rejection within 5 days will be considered acceptance of the deliverable. If OWNER gives notice of rejection, then STS360 will have an additional five days, within which to cure any deficiencies identified in writing by OWNER.

STS360 reserves the right to accept or reject OWNER requested tasks that may result in STS360's incurring of legal liability beyond the scope of STS360's offered Services. STS360 is required to respond with reason for objection and propose an alternative solution when available.

V. CHANGE REQUESTS

CHANGE REQUEST PROCESS

STS360 works very efficiently to provide quality estimates from the start of an evaluation. However, if an agreed upon Scope of Work has a mutually agreed change or addition to agreed SOW, STS360 will propose a resolution in the form of a Change Order that, if verified, accepted and signed by OWNER, will be prioritized in schedule and performed by STS360.

Next Page – See a Change Order Form Sample

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

CHANGE ORDER FORM SAMPLE

OWNER NAME:
OWNER ADDRESS:
PROJECT #:
PROJECT NAME:
PROJECT LOCATION:

STS360 PROJECT MANAGER:
OWNER APPROVER:

DATE CHANGE ORDER SUBMITTED:
CHANGE ORDER REFERENCE NUMBER:

STS360 submits this change order for the above referenced project. This change order is deemed (billable / non billable / price decrease) to the OWNER of this project. This change order is subject to the terms and conditions of the original contract. This change will not in any way impact the original scope outside of the indicated changes below. This change order will not impact warranty, and will be included in final project warranty if accepted. The purpose of this change order request is to agree that changes to the scope are requested and to seek approval by the OWNER of this project. A Purchase Order or signed agreement at the bottom of this page will be required to fulfill this change order for the above referenced project. See attached revised Scope of Work and Pricing Revision (if billable / price decrease.)

Change Item	Change Description	Product Description	Part Number	Qty
1				
2				
3				

Above is Sample, please revise as per the scope of each change order (add or delete change items as needed as well. Any scope, warranty and/or price changes must be included in detail in appendixes to be attached and identified above. Please customize each section as needed. Please delete these notes before submitting)

OWNER: _____ CONTRACTOR: STS360 _____

Approved by: _____ Approval Received by: _____

Date of Approval: _____ Date Received: _____

Name: _____ Name: _____

Title: _____ Title: _____

Department: _____ Department: _____

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

TERMS AND CONDITIONS

STS360 complies with the related Terms and Conditions put forth on the Texas Department of Information Resources website. For services rendered by STS360, compliance under this Statement of Work is met by current DIR or Buyboard Contract being utilized or its successive renewal by STS360 with the State of Texas Department of Information Resources.

STANDARD MAINTENANCE AND SERVICE TERMS AND CONDITIONS

1. This is a warranty and not an insurance policy. This warranty does not take the place of the client's general liability insurance.
2. All warranties exclude remedy for damage or defect caused by abuse, tampering, vandalism, improper or insufficient maintenance, improper operation.
3. The client is responsible for any damage to any improvement, fixture or property not constructed, installed or included in maintenance contract scope by STS360 that may cause the need for repair to the STS360 installed equipment, materials, hardware, etc. (e.g. – damaged ceiling is leaking onto network equipment, STS360 should not be liable to fix the ceiling leak as well as the STS360 equipment).
4. The client will be required prior to repair of unwarranted issue to hold STS360 free of any liability from the cause of the original problem
5. Warranty does not include drainage deficiencies at the job location / location of equipment / material (e.g. – drainage is damaged on facility and run-off of rain water overwhelms drainage and therefore begins draining directly on our equipment where there'd been no point of drainage prior during project installation).
6. Warranty does not include any landscaping issues that cause loss of effectiveness of security after project acceptance (e.g. – Client decides to forego cutting back trees or plants new trees or bushes that grow in front of camera placements, diminishing intended Field of View)
7. Warranty does not include any defects or deficiency caused by materials, design, construction, or work supplied by other than the STS360 outside of the contract scope
8. Warranty does not include changes, alterations or additions made to the installation by anyone other than those performed under obligations of this warranty;
9. Warranty does not include deficiency or defects caused or made worse by the Client's, employees, patrons, or any other party than STS360 during the service contract.
10. Warranty does not cover any deficiencies or defects in workmanship, materials or structural portions normally covered by another warranty or insurance policy whether or not paid by such warranty or insurance policy (e.g. – Client employee repairs something in the electrical room, and because of poor workmanship causes pipes to burst damaging significant portions of our system and the facility / structure and owners insurance doesn't cover it, STS360 should not be liable for the cost to cover damaged equipment caused by workmanship or structural problems on the facilities)
11. Warranty does not cover deficiency or defects resulting from accidents, riot, civil commotion, terror attacks, war, or Acts of God; including but not limited to fire, explosion, smoke, water escape, windstorm, mudslide, erosion, hail, lightning, hurricanes, tsunamis, falling trees, aircraft, vehicles, flood, earthquakes, sink holes, underground springs, volcanic eruptions, saturated soils or change in the level of the under-ground water table.
12. Warranty does not cover any contamination caused or created by natural or man-made chemicals, compounds, or substances used by the client or breakdown or adverse effects of chemicals, compounds, or substances used.

13. Warranty does not cover pest damage including but not limited to termites, rodents, cockroaches and ants
14. Warranty does not cover any damage caused by water intrusion, including but not limited to roof leaks, window sealants, plumbing
15. Warranty does not cover heat damage, damage caused from dust build up, dampness or condensation due to clients' failure to maintain adequate ventilation.
16. Warranty does not cover any loss, damages or other condition which is not a deficiency or defect of the systems functionality.
17. Warranty does not cover consequential damage: Any property damage or bodily injury which follows as a result of structural damage, or other defects covered under this warranty including defects in workmanship that was not originally installed by STS360 (e.g. – something occurs in relation to structural or poor workmanship from the client or other contractor, causing our equipment to malfunction and cause bodily or property damage, such as a camera coming loose and falling on a person or property.)
18. Warranty does not cover any loss or physically inflicted damage which is not a construction deficiency or defect, including but not limited to chips, scratches, and dents in materials, fixtures, appliances, or other types of equipment
19. Warranty does not cover failure by the client to give notice to the Contractor regarding deficiencies or defects within a reasonable time or as specified in the clients' warranty contract;
20. Warranty does not cover negligence and/or improper maintenance, or improper operation of items warranted under this warranty
21. Warranty does not cover failure of the clients or any client or third-party representative to comply with the warranty requirements of manufacturers of hardware, software, equipment, materials, or fixtures
22. Warranty does not cover any loss or damage which the client(s) have not taken reasonable timely actions to minimize;
23. Warranty does not cover any dispute received by Contractor later than 30 days after the applicable Warranty Expiration Date for claimed items of deficiency or defect;
24. Warranty does not cover any alleged deficiency or defect for which there is no evidence of deficiency or defects at the time of the claims investigation; or which has been repaired prior to a claim
25. Warranty does not cover any condition which does not result in actual physical or functional damage to the warranted equipment, materials, hardware, software, materials or fixtures.
26. Billable costs may occur if STS360 Technicians are denied entry to facility and/or when appointments are not cancelled within 24 hours of arrival. Should it be no fault of the client in the event of an unforeseen circumstance (act of God, serious incident / crime, or other unforeseen circumstance), and STS360 will excuse the charge but requests to be contacted as soon as possible to cancel the appointment.
27. STS360 cannot be held liable for unresponsiveness to work orders that are not reported and/or escalated through the proper chain of communication by OWNER in this warranty agreement.

HID Mobile BLE is an app-based solution that uses Bluetooth Low Energy to transmit secure credentials to the reader.

The end customer submits contact info to set up an HID Origo web portal using the link below. They will get an email that gives them an ORG ID and MOBKEY. This is what is needed to order credentials. The MOBKEY should be loaded into a mobile-capable reader. This can be done before an order to come preloaded, or after receipt.

- Here is a YouTube video that shows the process to Onboard and have a technician put the end user's mobile key onto a Mobile Reader: https://www.youtube.com/watch?v=cLVjAGt7a2s
- All Signo have the functionality innately and SE readers could have been ordered that way or may have the potential of an upgrade using an upgrade kit – we can work together to confirm that potential).

https://portal.origo.hidglobal.com/selfonboarding/

After registering you will get the EUORG ID and MOBKEY required for ordering mobile credentials

Customers order subscription-based "seat" licenses in 1 or 3-year plans. Customers can add additional licenses at a prorated cost within that subscription period. This is available for a customer with a rollout plan that is not immediate for all users. We can help with the specifics of the cost for add-ons if they advance in that fashion.

- MOQ for any plan or add-on is 20. You can do anything 20 and above, but it must reach 20.
- When ordering you will give part detail as well as End User Name, ORG ID and MOBKEY (established in onboarding) and a format that you will be using for the licenses
    - The format must be a tracked format that allows for Next Number Up issuance. We can make a 26-bit H10301 a TRK-H10301 tracked license. Every future order would need the ORG ID and TRK-H10301 number.
    - There is no charge currently for CORP 1000 on mobile license orders
- It is good to understand that a mobile credential and a physical credential will register as the same user if the format information is the same.
    - The issuance and revocation features of the Origo portal allow a user to churn through as many credentials as are needed as long as they do not go past the licenses available – each re-issuance will grab a new number in the "pot" of credentials.

Subscription Licenses:

Item Number	Description	Min Order Qty
MID-SUB-T100	**1-YEAR** USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	**3-YEAR** USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Add-Ons (only used if the customer is adding additional licenses in the above subscription periods):

Item Number	Description	Min Order Qty
MID-SUB-T100-ADD	ADD-ON USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	3-YEAR USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Many of our OEM head-end partners do have integrations into HID Origo. These integrations may make it possible to issue and revoke credentials from the head-end software. The hooks into HID Origo may make it not necessary to manage out of the portal. This would help to not have to manage the two systems in what we call a swivel chair approach. Swivel chair approach = issuing a credential, swiveling over to the access software, entering the user, and the opposite if you are removing a user. The Head End OEM Partner owns this integration, the set-up procedures and functionality as well as the detail of pricing or inclusion in versions of their software.

Extra info:
Short Video Tutorial of the portal:
https://www.youtube.com/watch?v=Zslg66u5qM0&list=PLaI1sYdMpc6qrAwlJHGd1xql3eWv0wnbf&index=10

HID Video Showing mobile and Twist and Go for longer range access:
https://youtu.be/ztkngP5jfjI

HID Mobile Access -Getting Started
https://www.youtube.com/watch?v=F906cOELCwg

HID Mobile Access FAQ
https://doc.origo.hidglobal.com/faq/portal/HID_Mobile_Access_FAQ.pdf

Demo of Reader Manager and how it is used:
https://www.youtube.com/watch?v=bQsQqqvqDPU&feature=youtu.be

PHYSICAL ACCESS SOLUTIONS

multiCLASS SE® Readers

multiCLASS SE readers include Open Supervised Device Protocol (OSDP), a new Security Industry Association (SIA) standard that together with Secure Channel Protocol (SCP) provides secure communications and central management.

HIGHLY ADAPTABLE AND SECURE HIGH FREQUENCY ACCESS CONTROL SOLUTION

- **Powerfully Secure** – Provides layered security beyond the card media for added protection to identity data using SIOs.
- **Adaptable** – Interoperable with a growing range of technologies and form factors including mobile devices utilizing Seos™.
- **Interoperable** – Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.
- **Streamlined Migration** – Simultaneous support for 125 kHz HID Prox®, AWID and EM4102 for seamless migration; field programmable for secure upgrades and extended lifecycle.

HID Global's iCLASS SE® platform goes beyond the traditional smart card model to offer a secure, standards-based and flexible platform that has become the new benchmark for highly adaptable, interoperable and secure access control solutions.

multiCLASS SE® readers simplify migration from legacy technologies with support 125 kHz for HID Prox, Indala, AWID and EM4102, and provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent readers also support iCLASS® Seos™ and iCLASS SE credential platforms, as well as standard iCLASS, MIFARE and MIFARE DESFire EV1 with custom data models and other leading technologies.

Additionally, multiCLASS SE readers support mobile devices utilizing Seos, enabling a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

As part of HID Global's iCLASS SE platform that is based on the Secure Identity Object™ (SIO®) data model and Trusted Identity Platform® (TIP™), the powerfully secure multiCLASS SE readers offer advanced features such as layered security beyond the card media and tamper-proof protection of keys/cryptographic operations using EAL5+ secure element hardware.

POWERFULLY SECURE:
- Multi-Layered Security – Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- EAL5+ Certified Secure Element Hardware – Provides tamper-proof protection of keys/cryptographic operations.
- SIO Data Binding – Inhibits data cloning by binding an object to a specific credential.
- Secured communications using OSDP with Secure Channel Protocol.

HIGHLY ADAPTABLE:
- Mobile device support using card emulation – Enables HID access control.
- SIO Portability – Provides technology independence and portability to other smart card technologies.
- Upgradeable Hardware Connection – Allows all Wiegand-based communication readers to expand communication capabilities to OSDP, Hi-O and other bidirectional protocols.
- Field Programmable Readers – Provides secure upgrades for migration and extended lifecycle.
- Customization and management from a central location – Enables organization to make changes and manage all attached OSDP readers over RS485 wiring.
- Simultaneous support for 125kHz HID Prox, AWID and EM4102.
- Allows for support of future technologies.

SUSTAINABILITY AND MANAGEMENT:
- Intelligent Power Management (IPM) – Reduces reader power consumption by as much as 75% compared to standard operating mode.
- Recycled Content – Contributes toward building LEED credits.

INTEROPERABLE:
- SIO Media Mapping – Simplifies deployment of third-party objects to multiple types of credentials.
- Industry standard communications using OSDP.
- Custom programming support to read custom data models on MIFARE and MIFARE DESFire EV1 credentials.

SPECIFICATIONS

	RP10	RP15	RP40	RPK40
Base Part Number	900P 900L	910P 910L	920P 920L	921P 921L
Typical Read Range[1]	**13.56 MHz Single Technology ID-1 Cards – SIO Model Data**			
	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2: 1.2" (3 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2 1.2" (3 cm)	iCLASS Seos: 1.2" (3 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.7" (12 cm) MIFARE DESFire EV1/EV2: 2.0" (5 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.3" (11 cm) MIFARE DESFire EV1/EV2 1.6" (4 cm)
	13.56 MHz Single Technology Tags/Fobs[5] – SIO Data Model			
	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 2.4" (6 cm) MIFARE Classic: 2.0" (5 cm)	iCLASS: 2.8" (7 cm) MIFARE Classic: 1.6" (4 cm)
	125 kHz Single Technology ID-1 Cards			
	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 3.1" (8 cm)
	125 KHz Single Technology Tags/Fobs			
	HID Prox: 1.6" (4 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 1.6" (4 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.4" (6 cm)
Mounting	Ideally suited for mullion-mounted door installations or any flat surface		Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Mounting Spacer	To be used when mounting on metallic surfaces, refer to How To Order Guide for part numbers			
Color	Black			
Keypad	No			Yes (4x3)
Dimensions	1.9" x 4.1" x 0.9" 4.8 cm x 10.3 cm x 2.3 cm	1.9" x 6.0" x 0.9" 4.8 cm x 15.3 cm x 2.3 cm	3.3" x 4.8" x 1.0" 8.4 cm x 12.2 cm x 2.4 cm	3.3" x 4.8" x 1.1" 8.5 cm x 12.2 cm x 2.8 cm
Product Weight (Pigtail)	4.0oz (114g)	5.2oz (149g)	7.8oz (222g)	9.1oz (258g)
Product Weight (Terminal Strip)	3.0oz (85g)	4.3oz (124g)	7.6oz (216g)	8.0oz (228g)
Operating Voltage Range	5-16 VDC, Linear supply recommended			
Current Draw - Standard Power Mode[2] (mA)	75	75	85	95
Current Draw - Intelligent Power Management (IPM) Mode[2] (mA)	40	40	50	70
Peak Current Draw - Standard Power or IPM Mode[2] (mA)	200	200	200	200
NSC[3] Power Consumption - Standard Power Mode (W @ 16VDC)	1.2	1.2	1.4	1.5
NSC[3] Power Consumption - w/ IPM (W @ 16VDC)	0.6	0.6	0.8	1.1
Operating Temperature	-31º to 150º F (-35º to 65º C)			
Storage Temperature	-67º to 185º F (-55º to 85º C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Environmental Rating	Indoor/Outdoor IP55; IP65 if installed with optional gasket (IP65GSKT)			
Transmit Frequency	13.56 MHz & 125 kHz			
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO®) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic (On by Default) - standard iCLASS Access Control Application (order with Standard interpreter) -ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN - MIFARE Classic and MIFARE DESFire EV1 custom data models - FeliCa™[4] CSN, CEPAS[4] CSN or CAN - MIFARE DESFire EV2 via EV1 backward compatibility			
125 kHz Card Compatibility	HID Prox[4], AWID[4], Indala, EM4102[4]			
Communications	Optional OSDP with SCP over RS485[4] Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use Shielded cable for best results			
Panel Connection	Pigtail or Terminal Strip			
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea)[4], NCC (Taiwan)[4], iDA (Singapore)[4], RoHS			
Cryto Processor Hardware Common Criteria Rating	EAL5+			
Patents	US7180403, US7439862, US7124943, US5952935, US6058481, US6337619			
Housing Material	UL94 Polycarbonate			
Manufactured with % of recycled content (Pigtail)	10.5%	11.0%	10.5%	10.9%
Manufactured with % of recycled content (Terminal Strip)	10.5%	11.0%	11.0%	12.3%
UL Ref Number	RP10E	RP15E	RP40E	RPK40E
Warranty	Limited Lifetime			

[1] *Read range listed is statistical mean rounded to nearest whole centimeter. HID Global testing occurs in open air. Some environmental conditions, including metallic mounting surface, can significantly degrade read range and performance; plastic or ferrite spacers are recommended to improve performance on metallic mounting surfaces.*

[2] *Measured in accordance with UL294 standards; See Installation Guide for Details.*

[3] *NSC = Normal Standby Current; See Installation Guide for Details.*

[4] *Not available on 9xxL part numbers.*

[5] *Supported Tags/Fobs - iCLASS, and MIFARE Classic*

hidglobal.com

North America: +1 512 776 9000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

2019-12-17-hid-multiclass-se-readers-ds-en PLT-00303

GEMINI™

Overview

The RGM75 Series is a 75W integrated 2U rackmount power system that incorporates system power, lock power and Mercury controllers.

RGM enclosures provide mounting for two Mercury controllers and multiple LifeSafety Power FlexPower® devices in an access control system capable of controlling four doors as a standalone or multiple doors when interconnected. LSP power modules are provided based on RGM model number and Mercury controllers are provided by the integrator based on the job requirements.

Available options include single (12 or 24V DC) or dual voltage operation (12 and 24V DC), power distribution and control, individual output protection by either fuses or class 2 power limiting, buffered lock control, and remote reporting and test. Each LSP output is protected against electrical surges caused by lightning or transients on the external wiring (SurgeShield™) and each LSP control output is individually selectable for available DC voltages, either failsafe or failsecure operation with fire alarm interface.

Optional network reporting capabilities include: operational fault status; power supply output; battery charging voltage; battery charging current; and fire alarm input status. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving or reducing the cost of on-site servicing.

The unit is intended for mounting within a standard four post EIA 19 inch electronics rack with a maximum depth of 36 inches.

MERCURY SECURITY

RGM 75 B - C8 M8 N Z / E

- GEMINI™ RACKMOUNT for MERCURY
- POWER (75 WATTS)
- 12V SECONDARY VOLTAGE
- DISTRIBUTION OUTPUTS
  - C4 - 4 controlled
  - C8 - 8 controlled
  - D8 - 8 auxiliary
  - M8 - 8 managed *Fused*
  - C4P - 4 controlled
  - C8P - 8 controlled
  - D8P - 8 auxiliary
  - M8P - 8 managed *Class II Power limited*
- NETWORK
- WIRE MGMT
- *For 230VAC Input*

c UL us CE RoHS compliant

Rackmount Features

- Integrated access system with lock and system power distribution
- Compartmentalized architecture for maximum reliability
- Rack drawer slide assembly simplifies controller wiring and maintenance
- Comprehensive wire management with tie down points and articulating bracket
- 120 or 230V AC user selectable input supports data center electrical systems

Configuration Options

- Single voltage or 12 and 24VDC dual voltage options cover all access functions
- Power distribution for either direct (D8) buffered (C8) or managed (M8)
- Individual output selection for failsafe, failsecure, lock voltage and fire alarm interface
- High capacity battery charge capability
- Automotive fuses for ease of service and replaceability
- Easy door expansion with multiple Gemini drawers
- Available companion battery housing for rackmount use (part number RBE)

Network Monitoring

- Monitor/alert power supply, battery operation and faults
- Remote test battery run time, low battery and time to service alert
- Monitor/power cycle individual outputs (M8N model)
- Monitor alert external room temperature

Fire Alarm Interface

- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed
- Voltage or Polarity Reversal Activation

Comprehensive fault detection and reporting

- May be connected into access controller or used standalone
- Form C contact transfer for AC Loss or brownout
- Form C contact transfer for abnormal system operation

Agency Listings

- UL, CUL, CE Access Control

Lifetime Warranty

Ordering

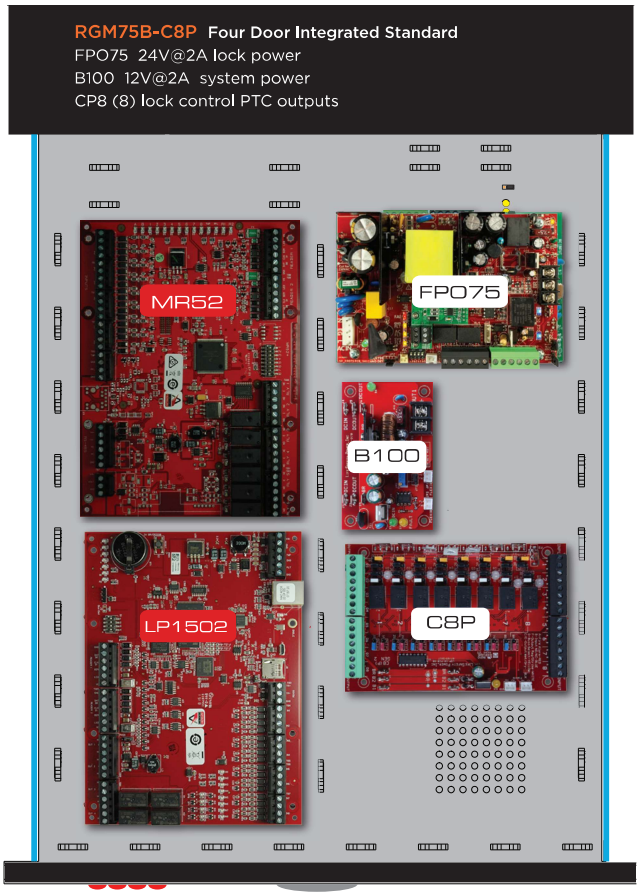
Model No.	Network	Voltage	Current	Internal Distribution: Bulk	Auxiliary	Control	Managed
RGM75-D8PZ		12V or 24V	6A/12V or 3A/24V	2	8		
RGM75-D8PNZ	Yes			2	8		
RGM75-C4PZ				2		4	
RGM75-CPZ				2		8	
RGM75-M8PNZ	Yes			2			8
RGM75B-D8PZ		12V and 24V	2A/12V and 2A/24V	2	8		
RGM75B-C4D8PZ				2	8	4	
RGM75B-C4D8PNZ	Yes			2	8	4	
RGM75B-C8PZ				2		8	
RGM75B-C8D8PZ					8	8	
RGM75B-M8PNZ	Yes			2			8

Single voltage - factory set to 12VDC
Dual voltage - outputs can be individually set for 12V or 24VDC
Networking - monitors power supply, battery set and relay control outputs
For CE 230VAC option, add " / E" suffix to model number, i.e RGM75-D8PZ / E

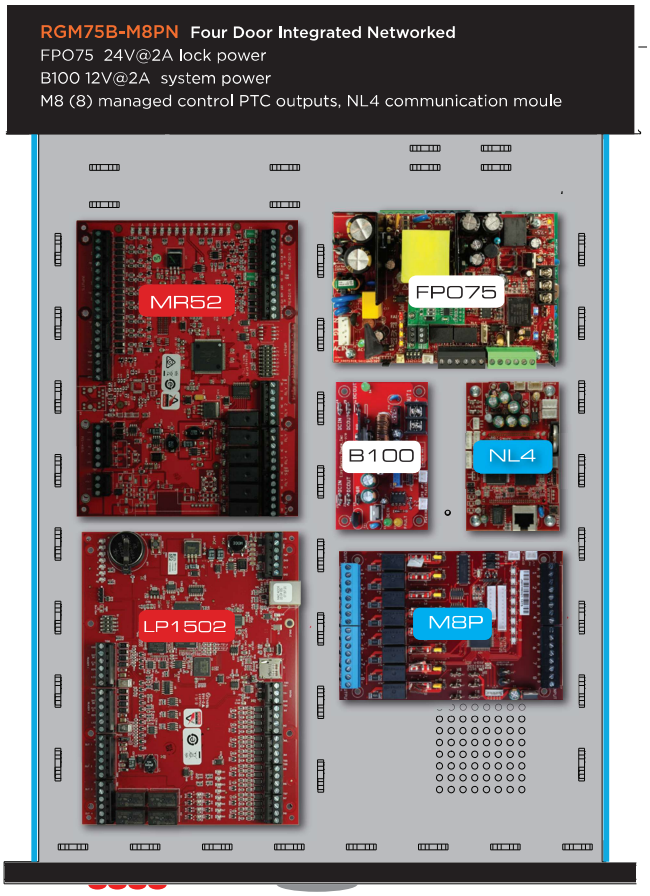
Specifications

Input Power	Input 120/230 VAC 50/60 Hz | 83 Watts Thermal overload protection / Short circuit protection
Output Power	RGM75 75 Watts: 6 amps at 12 VDC or 3 amps at 24 VDC *(factory default setting is 12VDC)* RGM75B 75 Watts: 2 amps at 12 VDC and 2 amps at 24 VDC *(factory set to 24VDC and 12VDC)* *(allows 1A per Mercury board, 0.50A per lock. If Mercury board draws less, lock power is more)*
Internal Power Distribution	D8/D8P eight auxiliary outputs: D8 fused at 3A/ea, D8P Class II Power limited at 2.5A/ea C4/C4P four control outputs: C4 fused at 3A/ea, C4P Class II Power limited at 2.5A/ea M8/M8P eight managed outputs: M8 fused at 3A/ea, M8P Class II Power limited at 2.5A/ea – *Individually selectable outputs on dual voltage systems*
Supervision	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts) System Fault, AC Fault, Ground Fault, Reverse Battery
External Indicators	AC on master on/off switch | Front Panel Mercury Status LEDs
Battery Charging	Maximum charge current 1.0 amp | Maximum battery capacity 40Ah Independent built-in charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Regulatory Compliance	CE, UL294 6th Edition, UL603, UL1076, ULC S318, ULC S319 (can mix and match Mercury and LSP modules togethr in any combination)
Access Panel Mounting	Two slots for LP1502, LP2500, MR52
BTU Rating	RGM75, RGM75B 33BTU/Hr
Physical Dimensions	2U rack mount (19.00"W x 3.50"H x 20.50"D) | Weight 24 lbs. | Z bracket wire management articulating arm

Drawer layout example of 4 door dual voltage



Drawer layout example of 4 door dual voltage managed system



INTERNAL POWER DISTRIBUTION options

D8 - DISTRIBUTED POWER TO Mercury

Eight individually protected power outputs
- *D8P Class 2 power limited at 2.5A per output*
- *D8 Fused at 3A per output*

Visual Indicators
- *DC Presence: Green LED per output*

Removable terminals
- *Accepts #12 to #24 AWG*

C4 - CONTROL OUTPUTS FOR LOCKS

4 access control trip inputs

4 individually protected lock control outputs
- *C4P Class 2 power limited at 2.5A per output*
- *C4 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

M8 - MANAGED OUTPUTS FOR LOCKS & Mercury

8 access control trip inputs
8 individually protected managed control outputs
- *M8P Class 2 power limited at 2.5A per output*
- *M8 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*
- *Activation or deactivation through software*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*
- *AC loss over ride for egress lock control*
- *Trigger points based on voltage or current values to send an alert via email or SNMP*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

FAULT DETECTION AND REPORTING

DETECTED FAULT CONDITIONS (ALL MODELS)

AC Power
- *AC loss, AC low, Master AC power switch*

DC Power and System
- *Abnormal or loss of power supply operation*
- *Over current, over temperature condition*
- *DC output high, low*
- *Battery Presence, Earth Ground (user optional)*
- *Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)*

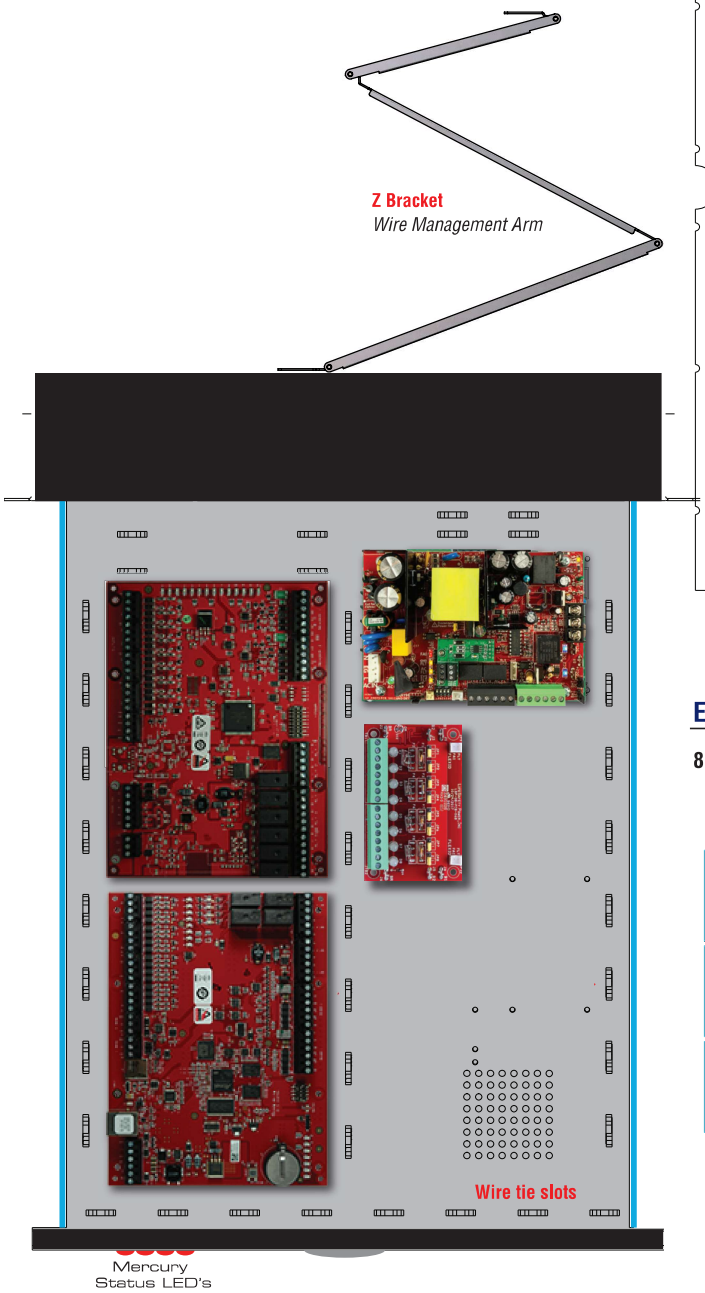
WIRE MANAGEMENT

Wire tie points

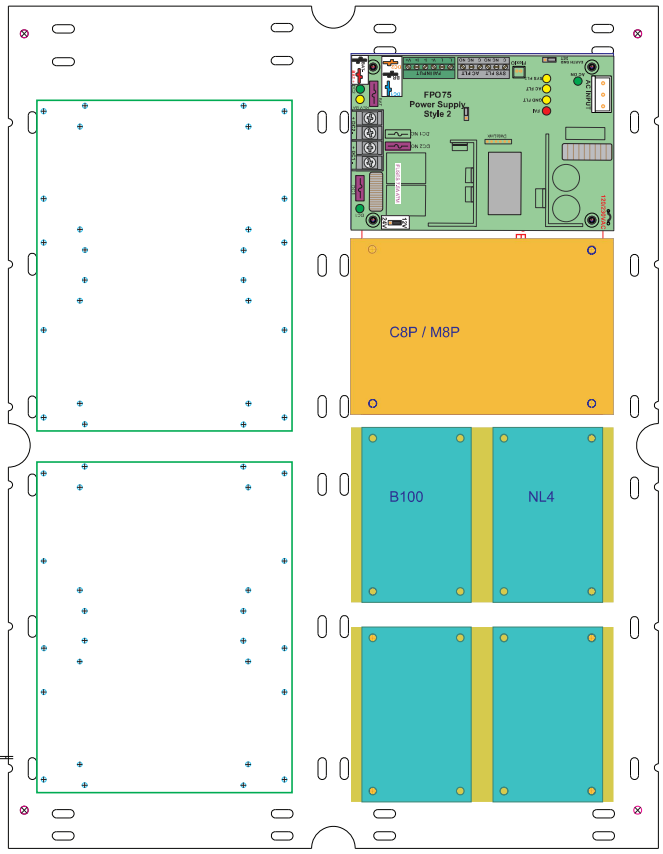
- *Drawer tie down points for access wiring*
- *Back chassis tie down points secures wire bundle*

Articulating arm

- *Z bracket with tie wrap points secures access wiring into drawer*



BACKPLATE CONFIGURATION OPTIONS



EXPANSION | BATTERY BACK-UP

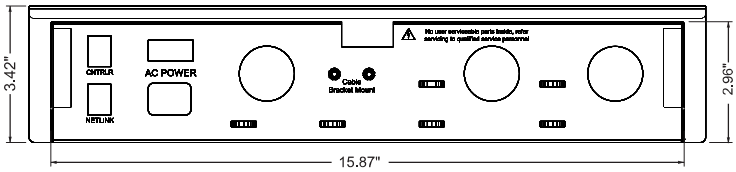
8 Doors

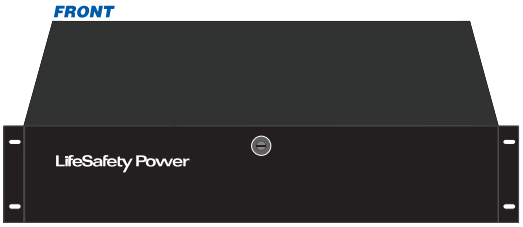
- *Stack multiple Gemini rack mounts for higher door counts*
- *Add RBE battery enclosure for battery back up*

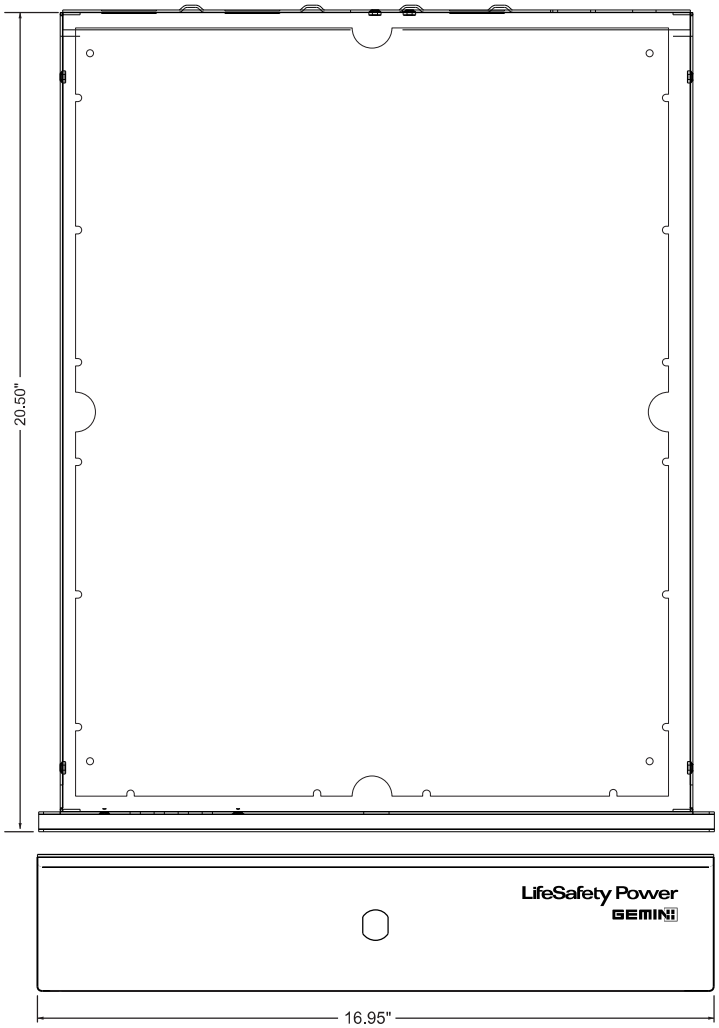
8 Doors w/battery back up

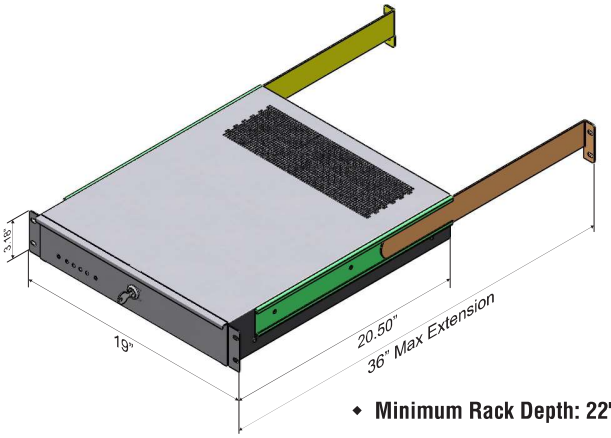
Mechanical

2U rack mount 19.00"W x 3.50"H x 20.50"D
Weight 27 lbs.

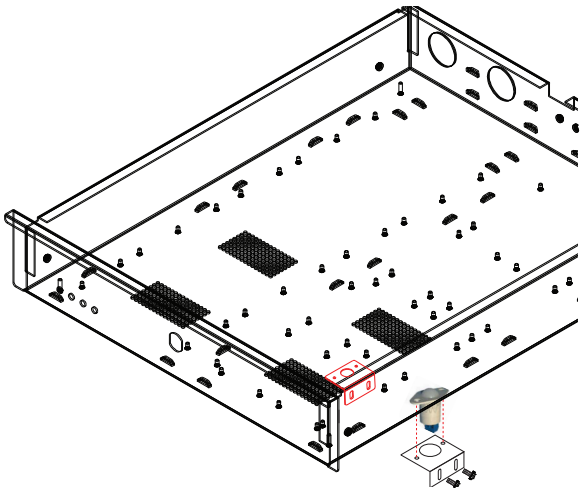








- **Minimum Rack Depth: 22"**



Included Tamper Switch

lifesafetypower.com

(888) 577-2898
info1@lifesafetypower.com

Specifications subject to change without notice.

P01-722A 07/22

LifeSafety Power
10027 S 51st Street, Suite 102
Phoenix, AZ 85044 USA

WV-S32302-F2L1

2MP Indoor Compact Dome Network Camera with AI engine

All-in-one Compact dome camera with AI engine and IR-LED

- 2MP Compact dome camera
- Up to 2 Edge AI analytic apps
- Discreet design
- Wide angle of view (Horizontal 132°)
- Built-in IR-LED (21m/69ft)
- Built-in microphone
- IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant

i-PRO

SPECIFICATIONS

Camera	
Image Sensor	Approx.1/2.8 type CMOS image sensor
Scanning Area	5.57 mm (H) × 3.13 mm (V) {7/32 inches (H) × 1/8 inches (V)}
Minimum Illumination	Color : 0.02 lx (30IRE, F2.1, 1/30s, AGC:11)* 0.03 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0019 lx (50IRE, F2.1, 16/30s, AGC:11)* BW : 0 lx (50IRE, F2.1, 1/30s, AGC:11, IR LED: On) 0.02 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0013 lx (50IRE, F2.1, 16/30s, AGC:11)* *Converted value
White Balance	ATW1/ ATW2/ AWC
Maximum shutter	60 fps/30 fps/15 fps mode: Max.1/10000s to Max.16/30s 50 fps/25 fps/12.5 fps mode: Max.1/10000s to Max.16/25s
Intelligent Auto	On / Off
Super Dynamic	On / Off, The level can be set in the range of 0 to 31. *1
Dynamic Range	144 dB max. (Super Dynamic: On, Level: 31)
Adaptive Black Stretch	The level can be set in the range of 0 to 255.
Back Light Compensation/ High Light Compensation	BLC/ HLC/ Off, The level can be set in the range of 0 to 31. (only when Super Dynamic/ Intelligent Auto: Off)
Fog Compensation	On/ Off, The level can be set in the range of 0 to 8. (only when Intelligent Auto/ Auto contrast adjust: Off)
Maximum Gain (AGC)	The level can be set in the range of 0 to 11.
Color/BW (ICR)	Off/ On(IR Light Off)/ On(IR Light On)/ Auto1(IR Light Off)/ Auto2(IR Light On)/ Auto3(SCC)
IR LED Light	High/ Middle/ Low/ Off Maximum irradiation distance : 21 m {Approx. 69 ft} (30IRE)* , 15 m {Approx. 49 ft} (50IRE) * Converted value
Digital Noise Reduction	The level can be set in the range of 0 to 255.
Video Motion Detection (VMD)	On/ Off, 4 areas available
Scene Change Detection (SCD)	On/ Off, 1 area available
Audio Detection	On/Off
AI Sound Classification	Selectable from Gunshot, Yell, Vehicle horn, Glass break
AI Analytics	AI Video Motion Detection, AI Privacy Guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Non mask Detection (prior to V2.70), AI Occupancy Detection, AI Scene Change Detection For details : https://i-pro.com/products_and_solutions/en/surveillance/products/analytics-software 3rd party applications are also available. https://i-pro.com/products_and_solutions/en/surveillance/solutions/edge-ai-platform/application-list
Privacy Zone	On/ Off, up to 8 zones available
VIQS	On/ Off, up to 8 zones available

Image Rotation	0° (Off)/ 90°/ 180° (Upside-down)/ 270°
Camera Title (OSD)	On/ Off, Up to 40 characters, Up to 2 Lines (alphanumeric characters, marks)

Lens	
Optical zoom	1x
Extra zoom	max 3.0 x (when resolution is 640x360)
Digital (Electronic) zoom	-
Focal length	2.4mm {3/32inches}
Angular Field of View	[16:9 mode] Horizontal: 132° , Vertical: 74° [4:3 mode] Horizontal： 99°, Vertical： 74°
Maximum Aperture Ratio	1 : 2.1
Focus range	0.5 m {19-11/16 inches} ~∞
Aperture range	F2.1

DORI	
Detect (25ppm / 8ppf)	17.1m / 56.1ft
Observe (62.5ppm / 19ppf)	6.8m / 22.4ft
Recognize (125ppm / 38ppf)	3.4m / 11.2ft
Identify (250ppm / 76ppf)	1.7m / 5.6ft

System on Chip (SoC)	
System on Chip (SoC)	Ambarella CV25M

Adjusting Angle	
Adjusting Angle	Horizontal (PAN) angle: -45°to +45° , Vertical (TILT) angle: 0°to +90° Azimuth (YAW) angle: -90°to +90°

Browser GUI	
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser *2	Microsoft Edge, Firefox, Google Chrome

Network	
Network IF	10BASE-T/100BASE-TX, RJ45 connector
Resolution	[16:9 mode(60 fps mode/ 30 fps mode/ 50 fps mode/ 25 fps mode)] 1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode(30 fps mode/ 25 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode/ 12.5 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA *Used by super resolution techniques
H.265/H.264 Transmission Mode / Type *3	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	[GOP(Group of pictures) control] Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced (Fixed GOP 60 seconds with 1 second Key frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control) *Advanced and Frame rate control are only available with H.265. [Smart VIQS] On(High)/On(Low)/Off [Smart P-picture control] On/Off
Audio Compression	G.726 (ADPCM): 32 kbps/16 kbps , G.711: 64 kbps , AAC-LC: 64kbps/96kbps/128kbps *4

Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, LLDP, FTP, SFTP, MQTT IPv4: TCP/IP, UDP/ IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Secure	FIPS 140-2 level 3 (NXP® EdgeLock® SE050F), Device Certificate GlobalSign® pre-installed, HTTPS, User authentication, Digest authentication, Host authentication, IEEE802.1X, System log, Image transmission log, Brute-force protection, Alteration detection, Signed Firmware
SDXC/SDHC/SD Memory Card (Option)	microSDXC memory card: 64 GB,128 GB,256 GB,512 GB microSDHC memory card: 4 GB,8 GB,16 GB,32 GB , microSD memory card: 2 GB
Mobile Terminal Compatibility	iPad / iPhone (iOS 8.0 or later), AndroidTM mobile terminals
ONVIF®Profile	G / M / S / T

Alarm	
Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output

Input/Output	
Monitor Output	-

General	
Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035
Power Source	PoE (IEEE802.3af Compliant)
Power Consumption	PoE DC 48V: 180mA / approx. 8.6W (Class 0 device)
Ambient Operating Temperature	0 °C to +40 °C {32 °F to 104 °F}
Ambient Operating Humidity	10 % to 90 % (no condensation)
Water and Dust Resistance	-
Shock Resistance	IK10 (IEC 62262)
Wind Resistance	-
Dimensions	109 mm (W) x 53 mm (H) x119 mm (D) {4-19/64inches (W) x 2-3/32 inches (H) x 4-11/16 inches (D)}
Mass (approx.)	approx. 455g {1.00 lbs}
Finish	Main body: Aluminum die cast, BLACK / Front panel: PC resin, Clear
Other	Tamper-resistant enclosure *5

NOTES

*1 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
*2 For information on the operation verification of the web browsers, refer to our support website <Control No.: C0132>.
*3 Transmission for 4 streams can be individually set.
*4 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity) .
*5 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver.

Important
– Safety Precautions : Carefully read the Basic Information,Installation Guide and Operating Instructions before using this product.
– i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
– Masses and dimensions are approximate.
– Specifications are subject to change without notice.

OPTIONAL ACCESSORIES

Select a compatible accessory
Accessory Selector (i-pro.com)

WV-QWL500-W
Mount Bracket

WV-QWL500-B
Mount Bracket

WV-QPL500-W
Mount Bracket

WV-QPL500-B
Mount Bracket

WV-QJB502A-W
Mount Bracket

WV-QJB502A-B
Mount Bracket

WV-QJB500-W
Mount Bracket

WV-QJB500-B
Mount Bracket

WV-QCN500-W
Mount Bracket

WV-QCN500-B
Mount Bracket

WV-QCL101-W
Mount Bracket

WV-QCL101-B
Mount Bracket

WV-QAT502-W
Gangbox Adapter

WV-QAT502-G
Gangbox Adapter

WV-SDB256G
i-PRO SD Memory Card

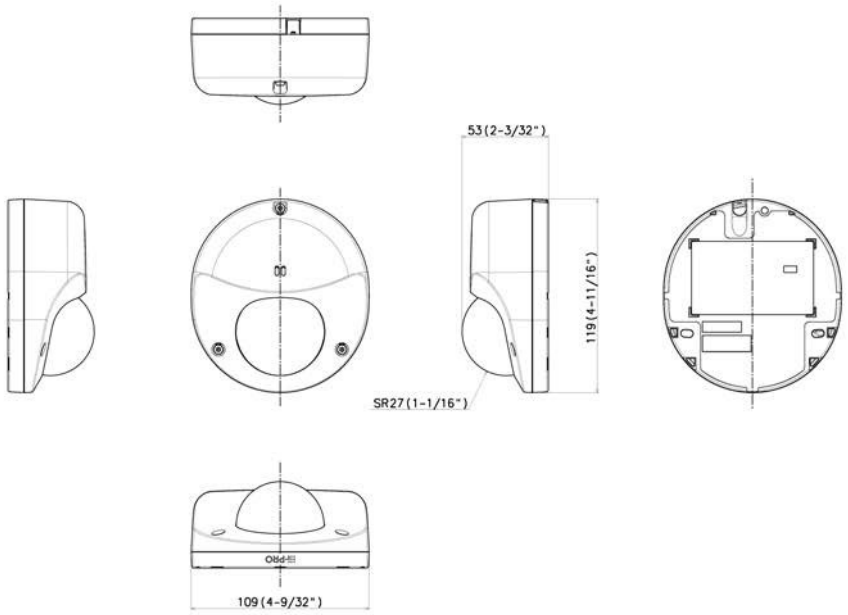
WV-SDB128G
i-PRO SD Memory Card

WV-SDB064G
i-PRO SD Memory Card

WV-SDB032G
i-PRO SD Memory Card

WV-QDC505C
Dome Cover

APPEARANCE



Mass : Approx. 550 g (1.21 lbs)

Unit:mm


WARNING
DO NOT OPERATE SYSTEM WITH
CONFLICT MONITOR DISCONNECTED

Get In Touch

WE ARE HERE TO HELP MAKE
GREAT SECURITY ACCESSIBLE

sts360.com

(972) 392-3635

@sigma-sts-360

info@sts360.com

14229 Proton Rd,
Dallas, TX 75244

Inc5000

DIR-CPO-4770

654-21

1202542335600

B10434601

STS360 SECURITY TECHNOLOGY SOLUTIONS

TURNKEY SECURITY INTEGRATION

ADVANCED END-TO-END SECURITY SOLUTIONS

We have prepared a quote for you

183N - Access Control and Video Surveillance Solution for Toll Cabinets

Quote # STS360STS002986
Version 1

Prepared for:

Central TX Regional Mobility Authority

Cory Bluhm
cbluhm@ctrma.org

FIRM PROFILE

GENERAL COMPANY INFORMATION

Company Name: Sigma Surveillance, Inc. DBA STS360

Principal Place of Business: 14229 Proton Rd, Dallas, Texas, 75244

Main Phone: (972) 392-3635 **Fax Number:** (866) 223-8167

STS360 Contact: Chandler Rawlings

Contact Office Phone: (972) 300-1082 **Contact Cell Phone:** (940) - 366 -5831

Contact Email Address: Chandler@sts360.com **Contact Title: Executive Account Manager**

Secondary STS360 Contact: John Hoffman

Contact Office Phone: (469) 212-6022 **Contact Cell Phone:** (469) 212-6022

Contact Email Address: John@sts360.com **Contact Title: Executive Vice President**

Field Technical Support Center Locations: Dallas, Texas - Carrollton, Texas - Houston, Texas - Austin, Texas - Alice, Texas - Corpus Christi, Texas - Wichita Falls, TX - Fort-Worth, Texas - El Paso, Texas

STS360's PRINCIPALS:

Bobby Khullar, President / CEO **Email:** bobby@sts360.com

John Hoffman, Executive Vice President **Email:** john@sts360.com

Years in Information Technology: 20 **Years in Security Business:** 20

Type of Ownership: Privately held **State of Incorporation:** Texas

Type of Incorporation: S Corporation **Year Founded:** 2005

Number of Employees: 30+ STS360 Employees 100+ subcontractor employees

Vendor ID Number: 20-2542335 **HUB Vendor?** Yes Cert: 1202542335600

Bonding Capacity: $25 million per project / Aggregate $25 million

AUTHORIZED NEGOTIATOR: John Paul Hoffman, Executive Vice President

FIRM PROFILE

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

VENDOR QUALIFICATIONS

STS360 has been designing, installing, and supporting network-based security systems for over fifteen (20) years, and intends to demonstrate to The Central TX Regional Mobility Authority Purchasing representatives that during this time we have garnered significant experience and qualifications that make us an outstanding candidate for consideration of award. STS360 has been installing and supporting large Video Surveillance, Access Control, Intrusion and Audio visual installations for State Agencies, Counties, Cities, Towns, and Schools for years.

STS360 was founded as an IT Systems consultant and integrator in 2000. We found ourselves naturally moving core services to security solutions due our customers' increasing demands for network-based security. Since we were already proficient in networks and IT Systems, the transition was natural and STS360 became a leader in providing IP solutions well before they became commonplace solutions. We tailored innovative security solutions to solve our clients' security needs and provide high ROIs through loss prevention, improved operational oversight, liability mitigation, reduced investigation times and safer, more secure environments.

STS360 is highly qualified and experienced in the services we perform and product lines we offer. STS360 is very careful to approach technology with a few key prejudices. (1) it must be expandable, meaning that the end user should not be limited in their ability to expand their security system in the future should they desire to, whether because of technology limitations or cost limitations; (2) the products must be proven to be of the highest of quality available in the market for that type of product. Our customers deserve a strong solid solution with a long-term lifecycle and support, and we will not promote a product we do not believe will be the best return on investment for our customers At STS360 our experience proves invaluable to the longevity of our partnerships with our clients and supported systems.

STS360 invests in our success by investing in our employees' growth. We certify all STS360 technicians on the various products that we sell and support. STS360's operational procedures also mandate a minimum of 8 hours of training per month for all of our senior and field technicians as a part of their job duties, because there's always room to learn and improve. These monthly trainings can range from manufacturer factory certification training and network certification, to online tests on industry codes & hands-on trainings in our technology lab at STS360 headquarters. STS360 also invests in our subcontractor's education and frequently brings them into our training program to insure they are meeting our high standards.

Considering the sensitive and, unfortunately, critical nature of the service we provide, STS360 has been successful in fostering long-term customer relationships because of our stellar performance and support. We have installed and continue to support tens of thousands of devices for our customers because they trust us to provide the same unparalleled support year after year.

STS360 excels in being flexible, exercising creativity, and providing unwavering attention to detail to customize unique Security Technology Solutions to achieve our clients' diverse needs. We can do this because we have the talent of a large company with the maneuverability and competitiveness of a small one. With a team of technically savvy systems engineers, field service technicians, support staff, account managers and project managers instead of solely technical, contractual and sales expertise, STS360 can honestly say that we truly rise to any challenge a client puts forth to us.

ADDITIONAL QUALIFICATIONS:

HUB CERTIFIED BUSINESS: 1202542335600
NCTRCA, MBE, SBE

As a Certified HUB, we are proactive in HUB outreach and attend/exhibit as such in conferences statewide. We participate in the DIR Conference's HUB Networking Event and build relationships with Minority owned businesses across the State of Texas that are pursuing the

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

status while promoting its benefit to those subcontractors utilized that are not yet certified. We approach every project with a goal of assisting our community.

HIGH BONDING CAPACITY

Lastly, we believe that our strength in our bonding capacity speaks volumes to our qualifications and financial stability. When you work with STS360 you can guarantee that you are working with a solid company who will always be there for you. STS360 has been bonding projects for over 15 years. We have a bonding aggregate capacity of $25million, up to $25million for a single project, and have had active bonds upwards of $25million at any given time. We have successfully completed all the bonded projects and continue to have our bonding capacity increased year after year when Philadelphia Insurance does their yearly audits.

i-PRO PREFERRED PARTNER

STS360 received and maintains the Premier "i-PRO Preferred Partner" designation for outstanding understanding of the product, solutions, and expertise in integration. This prestigious status provides STS360 the ability to offer forensic software and analytics unavailable outside of 15 dealers nationally. Additionally, it provides STS360 with extra resources to improve competitive advantages when proposing i-PRO Solution as well as Operating Inventory Priority.

SAFETY AND COMPLIANCE – SINCE 2005

- OSHA COMPLIANCE – **100%**
- OSHA INVESTIGATIONS - **0**
- Employee Injuries – **0** Since Business Inception
- Subcontractor Injuries – **0** Since Business Inception
- Average MOD Factor – **0.93**

MANAGEMENT STRUCTURE

Bobby Khullar - CEO, President, Owner

Bobby had a successful career in Federal contracts and IT. Seeing the increased need for IP Security Products, Bobby built STS360 from the ground up in 2005. With keen knowledge of IT and government contracts, and the firm dedication of his carefully assembled team, he rapidly grew STS360 by leading with IP technologies in a time when analog technology still dominated the market. For 18 years, STS360 continues to be a leader in the security public sector market with Bobby at its helm.
bobby@sts360.com

John Paul Hoffman – Executive Vice President

John Paul Hoffman, a security industry veteran of 20 years, worked through the ranks to Executive Vice President where he assists in managing STS360 while actively running his sales team. He maintains the Texas Security Integrator market by cultivating relationships among Texas State Agencies, Counties, Cities, Towns, School Districts, and manufacturers. John is well known for his availability and willingness to consult on the industry. Heavily certified in security technology, versed in installation requirements, and customer devoted, his clientele confidently rely on his guidance.
john@sts360.com Cell: (972) 300-1082

Jose Garza – CTO

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Jose Garza has been in the IT sector for over 25 years, working in both Private and Public Sectors. As CTO, he is responsible for maintaining the level of quality of IT Services provided by STS360 as well as ensure STS360 is operating at the latest industry standards. As COO, Jose overseas the Company's Service and Project Teams. Jose Garza is 3-time Cisco Certified Network Professional (CCNP) in routing and switching. Jose Garza is also holds Microsoft, CompTIA, and HP Certifications. He has also worked to provide Cybersecurity Solutions assessments to the Public and Private Sectors.

Jose Avina - Field Operations Manager

Over a decade of experience has Jose Avina managing the physical implementations of STS360 Projects. A Certified Level 3 Alarm and Fire Auditor, Jose joined STS360 to run the company's onsite operations initially with the Safe City Program. Jose has risen to manage several team schedules and he quality controls installations of his team leads and technicians. Setting the bar of standards for field execution of cabling, mounting, and proper field etiquette, his patience, integrity, and respect have earned him a reputation for excellence by end users and employees alike.
avina@sts360.com

Kartavya Mahadevia – Senior Technical Project Manager and Engineer

With over 20 years of experience in Information technology and project management, he has been with STS360 since 2005. Kart is a Microsoft Certified System Engineer and has certifications from various leading security manufacturers. Kart's expertise is in various Video Management, Access Control, Intrusion, Wireless, Server, Storage and Networking System technologies. He is an integral part of System Design to System Deployment and System Support and he manages several teams. Kart has earned many accolades from our customers and will serve as the front man for technical troubleshooting, system configuration, and training.
kart@sts360.com

CERTIFICATIONS

Video Management Systems

Verkada	Video Insight
OnSSI	Exacqvision
Milestone	Salient
Axis	Wisenet WAVE

Access Control Systems

MonitorCast	Continental Access
Open Options	SALTO Systems
Isonas	RS2

Camera Certifications

Panasonic/Arbitrator	Illustra
Axis	Advidia
Hanwha	FLIR

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Sony	Hikvision
Bosch	Mobotix
Honeywell	Interlogix
Arecont	GeoVision

PROJECT MANAGEMENT

STS360 knows the only way a project will be successful is if all key components come together and are well organized and managed both before and throughout the entirety of the implementation. The key components of a project are Scope, Schedule (time), Budget (cost) and of course, Quality. At STS360 our project managers focus on these key elements and are supported by a solid team of professionals working to exceed expectations.

A project always starts with **Scope**; do the customer and STS360 clearly understand and agree upon the scope of work and products to be installed? This does not simply refer to what is proposed and awarded, this is more granular and begins as soon as the contract is awarded. The STS360 design team will work with the Central TX Regional Mobility Authority stakeholders to tour facilities, refine any unique design needs for each location and environment, and present a final design and scope for each location to the Central TX Regional Mobility Authority Stakeholders. Once the design is agreed upon, the project manager will work with the Executive Stakeholders and the STS360 Project Coordinator to schedule a project kickoff meeting for all involved parties including all CTRMA support team stakeholders, CTRMA IT Department, STS360 project team members, STS360 Executive Oversight, and any subcontractor representatives. Prior to this meeting the STS360 project manager will review pre-project documentation with the Executive Stakeholders, including but not limited to system rights and configuration settings, final drawings & diagrams, phase payment schedules and milestones, and communication plan with assigned roles and responsibilities. Any revisions will be completed prior to the kickoff meeting. We propose the project kickoff meeting be held on site and the installation schedule, security procedures / risk mitigation, and communication plan be addressed. After the formal kickoff meeting, we propose to have each site walked before any equipment is placed or installed to seek approval for any penetrations, equipment placements or special considerations. Also, this allows the local representative whether that be the IT Manager or CTRMA Engineer or whomever the agency assigns, to become familiarized with the scope, schedule and team that will be working with on their territory.

The next key component of course is managing **Budget (Cost)**. STS360 does not believe in going in low and change ordering our customers' after award to gain our profit. What we propose is what you pay. The only time you will see STS360 asking you for a revision to a purchase order is if the customer asks us to add additional components to the scope. If something was missed in our proposal STS360 takes liability for any impact to our profitability that causes. If our costs increase on equipment or labor STS360 takes liability for the impact to our profitability. Return on investment is an important factor that we must consider when designing a project, especially when budgets are tight and recurring fees just add to the overall cost but provide little value over the life of the final product itself. With that in mind, STS360 the products we have chosen are from market leaders in their respective technologies was specifically designed for use in enterprise scenarios with an eye to quality and long-term ROI.

Thirdly we have **Schedule (Time)**. On projects time, can have a way of running away from you if not managed properly, and we know our clients' time and their need to have a functional system as quickly as possible is paramount. As part of our project plan, we have proposed these projects be completed in multiple phases to ensure an expeditious completion to all aspects of the scope of work. We will consider each install a "phase" and while some of these phases may run concurrently as they are able to be managed separately to make best use of resources. We are dedicated to a smoothly run project. To delay each significant milestone, punch lists, 3rd party testing & documentation acceptance until the end of the project when ALL locations are completed, will create a bottleneck at the end of the project and prolong a successful completion. Therefore, we will attend to each installation location as a separate "phase." STS360 will also train local and administrative staff after each facility is installed instead of just waiting until the end. We will also conduct a final training with any parties that need to attend or want to be refreshed, in a central location for a min 4 hours if required.

Lastly but not least you cannot talk about a project plan without discussing **Quality**. Quality control checks and balances must be a

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

continuous part of a project, not left to the end of a project. Leaving quality control to the end of a project leads to extensive punch lists, delayed documentation completion, throwing off the schedule & most importantly will make the agency question our qualifications. Before any product even reaches the site for installation it will be bench tested in our lab in Dallas to ensure it is functional. It will then be burned in for a period of no less than 24hrs, in a simulation exactly to scope for this project, to ensure the functionality is working correctly. Then all hardware will be pre-configured with IP addresses provided by the agency and labeled by location, IP address and the system documentation started before it ever leaves our facility. Each site will be assigned a job supervisor and enough crew members to complete the job on time or earlier. Senior Technicians and /or Project Manager will be visiting each facility at a minimum of 2 days per week if not more to manage the supervisors progress, do spot quality checks, ensure that the workspaces are being kept clean and safe, and to retrieve documentation. If the senior technician or the project manager find any discrepancies, they are immediate addressed and fixed by the appropriate party. Our Project Coordinator continually does audits on the work product coming from the field, e.g. Is the project team on schedule? What staff is onsite and what did they do that day? Did they show up on time and leave on time? Are there additional materials or equipment needed to be sent out and when does it need to be delivered? Are the system documentation and drawings being updated and added to our secured CRM, so we always have the most up to date information? Is the system documentation correct and formatted clearly? At the end of the project phase and upon our own internal review of quality, STS360 will notify the agency that we are ready for a final system test and punch list walk through assessment with the assigned stakeholder. Any discrepancies found are noted and corrections made immediately. The likelihood of a significant punch list, however, is slim due to our dedication to quality throughout the installation.

To conclude this section, it is important that we note that not only will we comply with the documentation that is requested by the agency, STS360 also provides an extensive amount of data that is searchable and updated throughout the warranty period as equipment is replaced. This includes but is not limited to any serial numbered device showing the following information:

- Part Number
- Description
- Serial Number
- Mac Address
- Ip Address
- Campus / Facility
- Camera Name
- Camera Installation Location
- Camera Mount Type
- Indoor / Outdoor Designation
- Associated IDF / MDF
- Associated Rack
- Associated Patch Panel Ports
- Associated Network Switch Name
- Associated Network Switch Ports
- Associated Power Source (If Applicable)
- Camera Settings
- Live and Recording Settings
- Live Server Path
- Archive Path
- Mfg. Warranty
- And Other Related Settings

14229 Proton Rd
Dallas, Texas 75244
sts360.com
(972) 392-3635

STATEMENT OF WORK - Toll Cabinets

STS360 is pleased to offer the below statement of work for Central TX Regional Mobility Authority

STS360 will be responsible for providing a Turnkey Quote and Build out for Roadway 183N Toll requested Access control and video Surveillance solution for the toll cabinets.

STS360 has proposed a solution including installation, operation and services for the complete system as requested.
STS360 will be responsible for installing, configuring and servicing the following, including but not limited to:

Installing a access control and video surveillance system to each 141 toll cabinets.

Total Roadways and Final Counts:

		1-Door Cabinet		2-Door Cabinet		4 - Door Cabinet		Total	
Roadway	Deployment	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total No. of Cabinets	Total No. of Doors
183A	Tolling	5	5	3	6	2	8	10	19
183A Ph III	Tolling	0	0	0	0	10	40	10	40
183A Ph III	ITS	4	4	11	22	0	0	15	26
183 Toll	Tolling	0	0	13	26	1	4	14	30
290 Toll	Tolling	3	3	1	2	8	32	12	37
290 Toll	ITS	0	0	19	38	0	0	19	38
Mopac	Tolling	0	0	1	2	4	16	5	18
Mopac	ITS	0	0	4	8	0	0	4	8
SH 71	Tolling	0	0	1	2	1	4	2	6
45SW	Tolling	0	0	0	0	1	4	1	4
183N	Tolling	0	0	0	0	3	12	3	12
183N	ITS	0	0	46	92	0	0	46	92
Total:								**141**	**330**

STATEMENT OF WORK - Toll Cabinets

Total Number Of Cabinets for 290 Toll:

Roadway	Deployment	1-Door Cabinet No. of Cabinets	1-Door Cabinet No. of Doors	2-Door Cabinet No. of Cabinets	2-Door Cabinet No. of Doors	4 - Door Cabinet No. of Cabinets	4 - Door Cabinet No. of Doors	Total Total Cabinets	Total No. of Doors
183N	Tolling	0	0	0	0	3	12	3	12
183N	ITS	0	0	46	92	0	0	46	92
								12 = Cameras Lp1502 = 49	
								104 = Doors Total	Mr52 = 3

1. Project Planning and Site Assessment

Site Survey: Inspect the installation site to assess physical space, power requirements,and any structural considerations.
Space Evaluation: Measure the space and confirm adequate clearance and accessibility for installation.
Project Planning: Outline the full project timeline, including milestones for delivery, installation, and testing.

2. Design and Engineering

Power / Data Layout: Design the data distribution to ensure uniform power delivery and stable data connections to each Server.

3. Servers (AI Servers, VI Servers, and Access Control Server)

System Configuration: Set up the video and access control systems and settings. (Will Train CTRMA)
Content Management System (VMS): Install or configure the VMS for managing and scheduling displayed content.
Video Calibration: Adjust brightness, contrast, and color uniformity across panels to ensure consistent image quality.

4. Software Configuration

Input Source Configuration: Configure video inputs and outputs from the media player, streaming sources, or other AV equipment.
Control System Programming: Set up software for user-friendly control, such as switching inputs, scheduling, and adjusting settings. Will also work with CTRMA to set up AI analytics and system rules for the access control and video management software.

5. Training and Handover

Training: Train users on system controls, content management, and basic troubleshooting.
Documentation: Provide comprehensive documentation covering system setup, maintenance, and troubleshooting.
Maintenance Schedule: Outline a recommended schedule for cleaning, maintenance, and inspection.

6. Post-Installation Support

Warranty and Support: Provide warranty details and contact information for ongoing support.
Remote Monitoring (if applicable): Set up remote monitoring for diagnosing and addressing issues.
Onsite Troubleshooting: Offer support options for addressing hardware or software issues post-installation.

Bill of materials:

14229 Proton Rd
Dallas, Texas 75244
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(972) 392-3635

STATEMENT OF WORK - Toll Cabinets

- HES locks
- Type 2 Brackets – Custom CTRMA Cabinet brackets
- Latchbolt Throw: 1/2" Lock Type: Cylindrical Lock Wired - Wiegand for ILP Toll walk in buildings.
- Door/cabinet contacts
- Access control boards (MC-LP1502) and (MC-MR52-S3B)
- Video Surveillance Cameras (i-PRO)
- blue tooth Readers – one per door – with 100 BT licenses 3y
- Cable: CAT6 and Access Control Cable
- Patch cords 3ft
- LSP Rack mounted enclosure 300 - (Gemni unified rack mounted system)

This Quote is for a one trip and turnkey install for all 49 cabinets. Any Cabinet that is not ready for install once STS team has been deployed and requires additional trips is subject to a change order for each additional trip. This also applies to any cabinets that are faulty and in need of repair that causes a delay prior to the arrival of STS for deployment once deployed.

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
MC-LP1502	I-Pro	Intelligent Controller (2 Rdrs, 8 Inputs, 4 Outputs)	49	$2,279.94	26.85%	$1,667.85	$81,724.65
MC-MR52-S3B	i-PRO	Reader Interface Module - Series 3B (2 Rdrs, 8 Inputs, 6 Outputs)	3	$1,043.40	26.85%	$763.28	$2,289.84
WV-S32302-F2L1	i-PRO	2MP INDOOR VANDAL DOME CAMERA WITH AI ENGINE, H.265/H.264/MJPEG, 2.4MM FIXED LENS, IR LED, BUILT-IN MICROPHONE, IP66, IK10, FIPS 140-2 LEVEL 3 COMPLIANT, 5 YEAR WARRANTY, VIDEO INSIGHT 7.9.X OR HIGHER, BLACK COLOR	12	$512.81	28.31%	$367.64	$4,411.68
630REL-XT1130	HES	RUGGEDIZED ELEC MAG DEADLOCK CABINET LOCK	104	$1,299.00	44.93%	$715.38	$74,399.52
STS-Cust-DH	STS360	Type 2 Brackets - Custom	104	$125.00	50.00%	$62.50	$6,500.00
RGM75B-M8PNZ	Lifesaftey power	RGM75B-M8PNZ is a dual voltage, power supply-battery charger system. The unit is configured in a painted, steel, locking enclosure with tamper switch and integral battery space, and provides 2 FPO power supplies, each of which can be set for 12 or 24V. A	49	$1,801.00	28.16%	$1,293.83	$63,397.67

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DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
20NKS-00-000000	HID	SIGNO 20,BLK/SLVR,PIG,CRD PFL STD,MA RDY,FMT:ASP10022,WIEG,32-B MSB,EM:32-B,LED:RED,FLSH:GRN,BZR,SRF:ON,IPM:OFF,V EL:OFF,TAP	104	$412.58	42.22%	$238.38	$24,791.52
31951099	Honeywell	18-4+22(2+4+6)1S CMP PROFN 1M	3	$1,099.00	17.38%	$907.97	$2,723.91
77-240-2B	Superior Essex	4x23 CAT 6 CMP Blue 1,000ft Box	3	$499.00	30.04%	$349.08	$1,047.24
1076D-M	Edwards Signaling	Flush Brown Door Position Switch (contact) DPDT	104	$88.00	41.25%	$51.70	$5,376.80
N238-001-BL	Tripplite	Cat6/Cat5e 110 Style Punch Down Keystone Jack - Blue, TAA	12	$7.10	53.66%	$3.29	$39.48
N201-003-BL	Tripplite	Cat6 Gigabit Snagless Molded (UTP) Ethernet Cable (RJ45 M/M), PoE, Blue, 3 ft. (0.91 m)	12	$6.62	53.78%	$3.06	$36.72
MISC	STS360	Misc. Accessories and Consumables	1	$53,410.00	50.00%	$26,705.00	$26,705.00
TPM	STS360	Technical Management and System Programming	1	$73,878.00	50.00%	$36,939.00	$36,939.00
LABOR	STS360	Project Implementation and Installation	1	$379,388.40	50.00%	$189,694.20	$189,694.20
WAR0001	STS360	1 Year Onsite Parts and Labor Warranty	1	$81,440.00	50.00%	$40,720.00	$40,720.00

Subtotal: **$560,797.23**

183N - Access Control and Video Surveillance Solution for Toll Cabinets

Prepared by:

STS360

Chandler Rawlings
940-366-5831
Fax (866) 223-8167
Chandler@sts360.com

Prepared for:

Central TX Regional Mobility Authority

3300 N IH-35 Suite 300
Austin, TX 78705
Cory Bluhm
(979) 220-2551
cbluhm@ctrma.org

Quote Information:

Quote #: STS360STS002986

Version: 1
Delivery Date: 02/04/2025
Expiration Date: 02/23/2025

Quote Summary

Description	Amount
DIR-CPO-4770	$560,797.23
Total:	**$560,797.23**

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors. Net 30-Day Payment standard.

STS360

Signature: _____

Name: Chandler Rawlings

Title: Sales Representative

Date: 02/04/2025

Central TX Regional Mobility Authority

Signature: _____

Name: Cory Bluhm

Date: _____

STS360 PROPOSED PAYMENT SCHEDULE

CTRMA - Toll Cabinets	BILLING PHASE			
MILESTONE	**Invoice 1**	**Invoice 2**	**Final Invoice**	**TOTAL**
1. Hardware	$ 266,739.03			$ 266,739.03
2. Per Roadway Completion		$ 264,652.38		$ 264,652.38
3. Final Sign Off and Completion (10%)			$ 29,405.82	$ 29,405.82
Totals Per Billing Phase	$ 266,739.03	$ 264,652.38	$ 29,405.82	**$ 560,797.23**

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SERVICE LEVEL AGREEMENT

STS360 has provided a 1-year full hardware and labor onsite warranty for all STS360 supplied and installed components. STS360 warranties and guarantees all products, material, labor and work done for the Customer on this project. All new hardware and installation will be covered under the 1-year onsite warranty. All warranty replacement, installation, integration, maintenance, and required testing will be provided at no cost to The Customer within this 1-year period. STS360 is offering a 24/7 toll free service support line, 4-hour engineer on phone response and 48 hour onsite response.

I. SUMMARY

MISSION STATEMENT

STS360, or CONTRACTOR, will provide the Customer, hereby and here on referenced to as the OWNER, the establishment of procedures in which to successfully fulfill Surveillance and Security Systems maintenance services via improvement of existing support processes, scheduling of implementations, and expedient fulfillment.

SERVICES OVERVIEW

STS360 will provide a comprehensive 1-Year Onsite hardware and labor warranty in conjunction with this project. STS360 warranties and guarantees all products, material, labor, and work done for the Customer under this project. All warranty replacement, installation, integration, maintenance, and required testing will be provided within this 1-Year period unless outside of the terms specified below. STS360 is offering a 24/7 technical support toll free number for service. STS360 guarantees a 2-hour engineer on phone response for phone troubleshooting and a 48-hour onsite response for all warranty service or per the terms of the contract. STS360 has included dedicated service technicians for this project as part of this proposal. This will greatly reduce the response and service times. STS360 will stock spares (see scope for list).

DESCRIPTION OF SERVICES

Beginning upon final acceptance of project, STS360 will provide to OWNER the following services (collectively, the "Services"):

1. STS360 will provide 1-Year onsite labor warranty on all provided hardware and labor and integration services are warranted through STS360 from the date of final acceptance. It will not include the cost of parts and labor for OWNER not adhering to the standard terms or outside of specified terms and conditions of this contract. Parts installed by STS360 will be serviced according to their existing manufacturer's warranty; components not provided or installed by STS360 and outside the terms of Manufacturer warranty and subject to Purchase Order. Service calls will be billed when these incidents are approved by both parties. (this only refers to the need for new components not originally procured or installed by STS as apart of the original scope/project to fix an issue)
The proposed and accepted response terms of this warranty contract are:

LEVEL 1 SUPPORT:

- A Toll-free number to reach a live Technical Service Representative 24x7x365.
- A Return call from on-call Systems Engineer / Technician within 4 Hours for remote or phone support.

LEVEL 2 SUPPORT:

- Additional Troubleshooting is needed; technician is dispatched onsite within 48 hours to resolve the problem.
- Optimization, Maintenance and Quality Checks performed when techs are onsite

LEVEL 3 SUPPORT:

- Problem is understood and diagnosed, equipment / materials needed to repair / resolve the issue on hand, technician is dispatched onsite within 48 hours from level 2 dispatch
- All Level 3 services to be 100% closed and resolved within a maximum of 72 hours (does not apply to Force Majeure incidents or when manufacturer lead times are delayed).
- Optimization, Maintenance and Quality Checks performed when techs are onsite

2. All hardware, software, material and other warranties past this 1-Year contract term, and not renewed in an additional warranty contract year through STS360, will be the sole responsibility of the OWNER to contact the manufacturer directly to obtain replacement, repair or technical support.

ACCESS TO DATA AND COMPUTERS

On request, OWNER agrees to provide Contractor with evidence of a programming error, if the Contractor is unable to replicate the issues reported in a work order. Recipient further agrees to provide Contractor with access to OWNER computers, servers, networks, view stations, cameras and sufficient computer time to enable Contractor to duplicate the problem, determine that it results from a warrantable cause and, after corrective action or replacement has taken place, and determine that the problem has been alleviated. STS360 also requires that OWNER allow access to stored data, upon notification, and the ability to remove data that is causing conflicts and/or inhibiting the ability to repair system to its full functionality.

MODIFICATIONS EXCLUDED

Contractor shall not be obligated to provide support services pursuant to this Contract with respect to any modifications of the Software, configurations of the systems, new applications, additional hardware outside of scope, operating systems, and other adjustments made for any reason during the service contract by OWNER or to any computer program incorporating all or any part of this system.

COSTS AND EXPENSES

If terms in this contract for warranty / maintenance and services are determined to not be met by owner, when technician is on site, all work on the service will be put on hold until a purchase order is issued for the work needed to be performed to correct the issue. Parts and service labor will be covered by STS360 for any failure that is proven to be a failure in material or workmanship under normal use during the applicable warranty period. This coverage is limited to parts and labor. The warranty for replacement parts is limited to direct replacement. STS will not bill for a service call within the term of this SLA.

TERM PERIOD

This Contract will remain in effect for a period of (12) Months or (1)-Years from the date of final acceptance. This SLA can be extended year to year or multiple years after the 1 year term is up.
SLA renewal quotes will be generated before the expiration of of current term.

CONFIDENTIALITY

STS, and its employees, agents, or representatives will not at any time or in any manner, either directly or indirectly, use for the personal benefit of STS, or divulge, disclose, or communicate in any manner, any information that is proprietary to Owner. STS360 and its employees, agents, and representatives will protect such information and treat it as strictly confidential. This provision will continue to be effective after the termination of this Contract.

GENERAL WARRANTY

STS360 shall provide its services and meet its obligations under this Contract in a timely and workmanlike manner, using knowledge and recommendations for performing the services which meet generally acceptable standards in STS's community and region, and will provide a standard of care equal to, or superior to, care provided by Contractors similar to STS360 on similar projects. Contractor shall not be liable for any delay in performance directly or indirectly resulting from acts of Owner, its agents, employees, or subcontractors.

HARDWARE SUPPORT STS360 warrants to the original purchaser (PURCHASER) that each product of its manufacture (PRODUCT) is covered by this warranty from the date of delivery if properly installed, serviced, and operated under normal conditions. Any part or parts there of replaced during the base warranty period assumes the remainder of that warranty period or the parts warranty period, whichever is greater. The warranty coverage for the PRODUCT is continual from the original date of purchase and does not restart upon the replacement of any part or complete unit. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA. Parts and service labor will be covered by STS360 for any failure that is under normal use during the applicable warranty period. This coverage is limited to parts and labor. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA.
The warranty for replacement parts is limited to direct replacement.

STS360 reserves the right to repair or replace any part, component, or assembly at its option. STS360 may request defective parts be returned for examination before the issuance of credit. Any item that is replaced under warranty becomes property of STS360. ***PROCESS FLOW*** OWNER experiences issue with Security Equipment. (While all this information is not mandatory, STS will need details in regard to the issue in order to rectify the issue. STS will have all system documentation, STS will just need general information of the issue)

1. OWNER submits a request to STS360 24/7 TSG (technical support group) describing the following:
   - **a.** OWNER / Department / Site Name
   - **b.** Point of Contact (OWNER PoC) Information and Title
   - **c.** Pertinent Information relating to service request
   - **d.** If available, Device IP Number / Camera Number / Reader Number
   - **e.** Device Location
   - **f.** Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules site visit with provided PoC.
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist and schedules visit.
4. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
5. STS360 Security Specialist evaluates location, troubleshoots issue.
   - **a. Troubleshooting fixes Issue** – STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   - **b. Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component.
     - **i. IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
     - **ii. IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
     - **iii. IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
       a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (see Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (see Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist to return and resolve issue.
9. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.
11. STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket status, notes, and uploads final acceptance sign-off document.

12. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.

SOFTWARE SUPPORT

STS will need general information of the issue.

PROCESS FLOW

OWNER experiences issue with Security Software.

1. OWNER submits a request to STS360 TSG (technical support group) describing the following:
   g. OWNER / Department / Site Name
   h. Point of Contact (OWNER PoC) Information and Title
   i. Pertinent Information relating to service request
   j. If available, Device IP Number / Camera Number
   k. Device Location
   l. Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules Security Specialist/Engineer Remote-In/Onsite Session with provided PoC (SEE Statement of Work/Access to Data and Computer).
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist/Engineer and schedules Remote-In/Onsite Session internally.
4. STS360 Security Specialist/Engineer calls OWNER PoC to inform of Remote-In/Onsite Session.
5. STS360 Security Specialist/Engineer evaluates system status, troubleshoots issue.
   a. **Troubleshooting fixes Issue** – STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   b. **Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component (SEE Asset Management/LifeCycle Maintenance).
      i. **IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
      ii. **IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
      iii. **IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
         a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (SEE Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (SEE Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist/Engineer to return and resolve issue.
9. STS360 Security Specialist/Engineer calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist/Engineer replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.

11. STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket status, notes, and uploads final acceptance sign-off document.
12. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.

III. PARTY COMMUNICATIONS

PLACING A WORK ORDER REQUEST

Call Toll Free: (866) 506-7446

Email: technicalsupport@sts360.com

Our Technical Support Group (TSG) is there for you 24x7x365 and is just a phone call away. A live person will answer immediately, do some basic troubleshooting, and generate a work order while the OWNER is on the phone with TSG representative. If they are unable to assist you to a successful fix of the issue, they will immediately reassign the work order to, and contact the appropriate Level 2 support personnel who will be in contact within 2 hours or less to help resolve the issue, direct you to submit an RMA, and/ or dispatch an on-site technician. STS360 requests the party submitting the work order have some of the following information ready when calling the TSG, because the more information provided, the better we can assist in resolving the issue more expeditiously.

STS360 will request the following information in order to expedite service.

- OWNER / Site Name
- Your Contact Information and Title
- Sales Invoice / Work Order / Or Purchase Order Number (if available)
- Pertinent Information relating to your service request
- Device IP Number / Camera Number
- Device Location
- Description of issue / concern

OWNER POINT OF CONTACT

1. OWNER agrees to provide STS360 a Project Manager as the Primary Point of Contact
2. OWNER's Primary POC will be responsible for resolving financial or business issues outstanding and assist in facilitating final acceptances.
3. OWNER agrees to provide all STS360 necessary system documentation for access to existing systems
4. OWNER agrees to provide logins or access to any Ticketing or ERP system used by the OWNER at no charge to STS360.
5. OWNER agrees to provide assistance in coordination of departmental resources necessary for successful fulfillment.

IV. ASSUMPTIONS AND EXCEPTIONS

Services or Work Product will be deemed acceptable to OWNER if it conforms in all material respects with Services described in this project or Bill of Materials. STS360 will have full responsibility for the deliverables and the tasks listed in each project or Bill of Materials.

OWNER will complete a review of each submitted deliverable within five workdays from the date of delivery. OWNER feedback which indicates revisions to a deliverable are required will be addressed and re-submitted by STS360 within five workdays unless approval (in writing) for a different length of time is obtained from the OWNER or designate.

OWNER will either accept or reject STS360's Services or Work Product within a reasonable number of days from performance. For this Project, Services or Work Product will be accepted or rejected within 5 days from delivery completion date. Failure to provide acceptance or rejection within 5 days will be considered acceptance of the deliverable. If OWNER gives notice of rejection, then STS360 will have an additional five days, within which to cure any deficiencies identified in writing by OWNER.

STS360 reserves the right to accept or reject OWNER requested tasks that may result in STS360's incurring of legal liability beyond the scope of STS360's offered Services. STS360 is required to respond with reason for objection and propose an alternative solution when available.

V. CHANGE REQUESTS

CHANGE REQUEST PROCESS

STS360 works very efficiently to provide quality estimates from the start of an evaluation. However, if an agreed upon Scope of Work has a mutually agreed change or addition to agreed SOW, STS360 will propose a resolution in the form of a Change Order that, if verified, accepted and signed by OWNER, will be prioritized in schedule and performed by STS360.

Next Page – See a Change Order Form Sample

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

CHANGE ORDER FORM SAMPLE

OWNER NAME:
OWNER ADDRESS:
PROJECT #:
PROJECT NAME:
PROJECT LOCATION:

STS360 PROJECT MANAGER:
OWNER APPROVER:

DATE CHANGE ORDER SUBMITTED:
CHANGE ORDER REFERENCE NUMBER:

STS360 submits this change order for the above referenced project. This change order is deemed (billable / non billable / price decrease) to the OWNER of this project. This change order is subject to the terms and conditions of the original contract. This change will not in any way impact the original scope outside of the indicated changes below. This change order will not impact warranty, and will be included in final project warranty if accepted. The purpose of this change order request is to agree that changes to the scope are requested and to seek approval by the OWNER of this project. A Purchase Order or signed agreement at the bottom of this page will be required to fulfill this change order for the above referenced project. See attached revised Scope of Work and Pricing Revision (if billable / price decrease.)

Change Item	Change Description	Product Description	Part Number	Qty
1				
2				
3				

Above is Sample, please revise as per the scope of each change order (add or delete change items as needed as well. Any scope, warranty and/or price changes must be included in detail in appendixes to be attached and identified above. Please customize each section as needed. Please delete these notes before submitting)

OWNER: _____ CONTRACTOR: STS360 _____

Approved by: _____ Approval Received by: _____

Date of Approval: _____ Date Received: _____

Name: _____ Name: _____

Title: _____ Title: _____

Department: _____ Department: _____

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

TERMS AND CONDITIONS

STS360 complies with the related Terms and Conditions put forth on the Texas Department of Information Resources website. For services rendered by STS360, compliance under this Statement of Work is met by current DIR or Buyboard Contract being utilized or its successive renewal by STS360 with the State of Texas Department of Information Resources.

STANDARD MAINTENANCE AND SERVICE TERMS AND CONDITIONS

1. This is a warranty and not an insurance policy. This warranty does not take the place of the client's general liability insurance.
2. All warranties exclude remedy for damage or defect caused by abuse, tampering, vandalism, improper or insufficient maintenance, improper operation.
3. The client is responsible for any damage to any improvement, fixture or property not constructed, installed or included in maintenance contract scope by STS360 that may cause the need for repair to the STS360 installed equipment, materials, hardware, etc. (e.g. – damaged ceiling is leaking onto network equipment, STS360 should not be liable to fix the ceiling leak as well as the STS360 equipment).
4. The client will be required prior to repair of unwarranted issue to hold STS360 free of any liability from the cause of the original problem
5. Warranty does not include drainage deficiencies at the job location / location of equipment / material (e.g. – drainage is damaged on facility and run-off of rain water overwhelms drainage and therefore begins draining directly on our equipment where there'd been no point of drainage prior during project installation).
6. Warranty does not include any landscaping issues that cause loss of effectiveness of security after project acceptance (e.g. – Client decides to forego cutting back trees or plants new trees or bushes that grow in front of camera placements, diminishing intended Field of View)
7. Warranty does not include any defects or deficiency caused by materials, design, construction, or work supplied by other than the STS360 outside of the contract scope
8. Warranty does not include changes, alterations or additions made to the installation by anyone other than those performed under obligations of this warranty;
9. Warranty does not include deficiency or defects caused or made worse by the Client's, employees, patrons, or any other party than STS360 during the service contract.
10. Warranty does not cover any deficiencies or defects in workmanship, materials or structural portions normally covered by another warranty or insurance policy whether or not paid by such warranty or insurance policy (e.g. – Client employee repairs something in the electrical room, and because of poor workmanship causes pipes to burst damaging significant portions of our system and the facility / structure and owners insurance doesn't cover it, STS360 should not be liable for the cost to cover damaged equipment caused by workmanship or structural problems on the facilities)
11. Warranty does not cover deficiency or defects resulting from accidents, riot, civil commotion, terror attacks, war, or Acts of God; including but not limited to fire, explosion, smoke, water escape, windstorm, mudslide, erosion, hail, lightning, hurricanes, tsunamis, falling trees, aircraft, vehicles, flood, earthquakes, sink holes, underground springs, volcanic eruptions, saturated soils or change in the level of the under-ground water table.
12. Warranty does not cover any contamination caused or created by natural or man-made chemicals, compounds, or substances used by the client or breakdown or adverse effects of chemicals, compounds, or substances used.

13. Warranty does not cover pest damage including but not limited to termites, rodents, cockroaches and ants
14. Warranty does not cover any damage caused by water intrusion, including but not limited to roof leaks, window sealants, plumbing
15. Warranty does not cover heat damage, damage caused from dust build up, dampness or condensation due to clients' failure to maintain adequate ventilation.
16. Warranty does not cover any loss, damages or other condition which is not a deficiency or defect of the systems functionality.
17. Warranty does not cover consequential damage: Any property damage or bodily injury which follows as a result of structural damage, or other defects covered under this warranty including defects in workmanship that was not originally installed by STS360 (e.g. – something occurs in relation to structural or poor workmanship from the client or other contractor, causing our equipment to malfunction and cause bodily or property damage, such as a camera coming loose and falling on a person or property.)
18. Warranty does not cover any loss or physically inflicted damage which is not a construction deficiency or defect, including but not limited to chips, scratches, and dents in materials, fixtures, appliances, or other types of equipment
19. Warranty does not cover failure by the client to give notice to the Contractor regarding deficiencies or defects within a reasonable time or as specified in the clients' warranty contract;
20. Warranty does not cover negligence and/or improper maintenance, or improper operation of items warranted under this warranty
21. Warranty does not cover failure of the clients or any client or third-party representative to comply with the warranty requirements of manufacturers of hardware, software, equipment, materials, or fixtures
22. Warranty does not cover any loss or damage which the client(s) have not taken reasonable timely actions to minimize;
23. Warranty does not cover any dispute received by Contractor later than 30 days after the applicable Warranty Expiration Date for claimed items of deficiency or defect;
24. Warranty does not cover any alleged deficiency or defect for which there is no evidence of deficiency or defects at the time of the claims investigation; or which has been repaired prior to a claim
25. Warranty does not cover any condition which does not result in actual physical or functional damage to the warranted equipment, materials, hardware, software, materials or fixtures.
26. Billable costs may occur if STS360 Technicians are denied entry to facility and/or when appointments are not cancelled within 24 hours of arrival. Should it be no fault of the client in the event of an unforeseen circumstance (act of God, serious incident / crime, or other unforeseen circumstance), and STS360 will excuse the charge but requests to be contacted as soon as possible to cancel the appointment.
27. STS360 cannot be held liable for unresponsiveness to work orders that are not reported and/or escalated through the proper chain of communication by OWNER in this warranty agreement.

HID Mobile BLE is an app-based solution that uses Bluetooth Low Energy to transmit secure credentials to the reader.

The end customer submits contact info to set up an HID Origo web portal using the link below. They will get an email that gives them an ORG ID and MOBKEY. This is what is needed to order credentials. The MOBKEY should be loaded into a mobile-capable reader. This can be done before an order to come preloaded, or after receipt.

- Here is a YouTube video that shows the process to Onboard and have a technician put the end user's mobile key onto a Mobile Reader: https://www.youtube.com/watch?v=cLVjAGt7a2s
- All Signo have the functionality innately and SE readers could have been ordered that way or may have the potential of an upgrade using an upgrade kit – we can work together to confirm that potential).

https://portal.origo.hidglobal.com/selfonboarding/

After registering you will get the EUORG ID and MOBKEY required for ordering mobile credentials

Customers order subscription-based "seat" licenses in 1 or 3-year plans. Customers can add additional licenses at a prorated cost within that subscription period. This is available for a customer with a rollout plan that is not immediate for all users. We can help with the specifics of the cost for add-ons if they advance in that fashion.

- MOQ for any plan or add-on is 20. You can do anything 20 and above, but it must reach 20.
- When ordering you will give part detail as well as End User Name, ORG ID and MOBKEY (established in onboarding) and a format that you will be using for the licenses
    - The format must be a tracked format that allows for Next Number Up issuance. We can make a 26-bit H10301 a TRK-H10301 tracked license. Every future order would need the ORG ID and TRK-H10301 number.
    - There is no charge currently for CORP 1000 on mobile license orders
- It is good to understand that a mobile credential and a physical credential will register as the same user if the format information is the same.
    - The issuance and revocation features of the Origo portal allow a user to churn through as many credentials as are needed as long as they do not go past the licenses available – each re-issuance will grab a new number in the "pot" of credentials.

Subscription Licenses:

Item Number	Description	Min Order Qty
MID-SUB-T100	**1-YEAR** USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	**3-YEAR** USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Add-Ons (only used if the customer is adding additional licenses in the above subscription periods):

Item Number	Description	Min Order Qty
MID-SUB-T100-ADD	ADD-ON USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	3-YEAR USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Many of our OEM head-end partners do have integrations into HID Origo. These integrations may make it possible to issue and revoke credentials from the head-end software. The hooks into HID Origo may make it not necessary to manage out of the portal. This would help to not have to manage the two systems in what we call a swivel chair approach. Swivel chair approach = issuing a credential, swiveling over to the access software, entering the user, and the opposite if you are removing a user. The Head End OEM Partner owns this integration, the set-up procedures and functionality as well as the detail of pricing or inclusion in versions of their software.

Extra info:
Short Video Tutorial of the portal:
https://www.youtube.com/watch?v=Zslg66u5qM0&list=PLaI1sYdMpc6qrAwlJHGd1xql3eWv0wnbf&index=10

HID Video Showing mobile and Twist and Go for longer range access:
https://youtu.be/ztkngP5jfjI

HID Mobile Access -Getting Started
https://www.youtube.com/watch?v=F906cOELCwg

HID Mobile Access FAQ
https://doc.origo.hidglobal.com/faq/portal/HID_Mobile_Access_FAQ.pdf

Demo of Reader Manager and how it is used:
https://www.youtube.com/watch?v=bQsQqqvqDPU&feature=youtu.be

PHYSICAL ACCESS SOLUTIONS

multiCLASS SE® Readers

multiCLASS SE readers include Open Supervised Device Protocol (OSDP), a new Security Industry Association (SIA) standard that together with Secure Channel Protocol (SCP) provides secure communications and central management.

HIGHLY ADAPTABLE AND SECURE HIGH FREQUENCY ACCESS CONTROL SOLUTION

- **Powerfully Secure** – Provides layered security beyond the card media for added protection to identity data using SIOs.
- **Adaptable** – Interoperable with a growing range of technologies and form factors including mobile devices utilizing Seos™.
- **Interoperable** – Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.
- **Streamlined Migration** – Simultaneous support for 125 kHz HID Prox®, AWID and EM4102 for seamless migration; field programmable for secure upgrades and extended lifecycle.

HID Global's iCLASS SE® platform goes beyond the traditional smart card model to offer a secure, standards-based and flexible platform that has become the new benchmark for highly adaptable, interoperable and secure access control solutions.

multiCLASS SE® readers simplify migration from legacy technologies with support 125 kHz for HID Prox, Indala, AWID and EM4102, and provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent readers also support iCLASS® Seos™ and iCLASS SE credential platforms, as well as standard iCLASS, MIFARE and MIFARE DESFire EV1 with custom data models and other leading technologies.

Additionally, multiCLASS SE readers support mobile devices utilizing Seos, enabling a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

As part of HID Global's iCLASS SE platform that is based on the Secure Identity Object™ (SIO®) data model and Trusted Identity Platform® (TIP™), the powerfully secure multiCLASS SE readers offer advanced features such as layered security beyond the card media and tamper-proof protection of keys/cryptographic operations using EAL5+ secure element hardware.

POWERFULLY SECURE:
- Multi-Layered Security – Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- EAL5+ Certified Secure Element Hardware – Provides tamper-proof protection of keys/cryptographic operations.
- SIO Data Binding – Inhibits data cloning by binding an object to a specific credential.
- Secured communications using OSDP with Secure Channel Protocol.

HIGHLY ADAPTABLE:
- Mobile device support using card emulation – Enables HID access control.
- SIO Portability – Provides technology independence and portability to other smart card technologies.
- Upgradeable Hardware Connection – Allows all Wiegand-based communication readers to expand communication capabilities to OSDP, Hi-O and other bidirectional protocols.
- Field Programmable Readers – Provides secure upgrades for migration and extended lifecycle.
- Customization and management from a central location – Enables organization to make changes and manage all attached OSDP readers over RS485 wiring.
- Simultaneous support for 125kHz HID Prox, AWID and EM4102.
- Allows for support of future technologies.

SUSTAINABILITY AND MANAGEMENT:
- Intelligent Power Management (IPM) – Reduces reader power consumption by as much as 75% compared to standard operating mode.
- Recycled Content – Contributes toward building LEED credits.

INTEROPERABLE:
- SIO Media Mapping – Simplifies deployment of third-party objects to multiple types of credentials.
- Industry standard communications using OSDP.
- Custom programming support to read custom data models on MIFARE and MIFARE DESFire EV1 credentials.

SPECIFICATIONS

	RP10	RP15	RP40	RPK40
Base Part Number	900P 900L	910P 910L	920P 920L	921P 921L
Typical Read Range[1]	**13.56 MHz Single Technology ID-1 Cards – SIO Model Data**			
	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2: 1.2" (3 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2 1.2" (3 cm)	iCLASS Seos: 1.2" (3 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.7" (12 cm) MIFARE DESFire EV1/EV2: 2.0" (5 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.3" (11 cm) MIFARE DESFire EV1/EV2 1.6" (4 cm)
	13.56 MHz Single Technology Tags/Fobs[5] – SIO Data Model			
	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 2.4" (6 cm) MIFARE Classic: 2.0" (5 cm)	iCLASS: 2.8" (7 cm) MIFARE Classic: 1.6" (4 cm)
	125 kHz Single Technology ID-1 Cards			
	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 3.1" (8 cm)
	125 KHz Single Technology Tags/Fobs			
	HID Prox: 1.6" (4 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 1.6" (4 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.4" (6 cm)
Mounting	Ideally suited for mullion-mounted door installations or any flat surface		Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Mounting Spacer	To be used when mounting on metallic surfaces, refer to How To Order Guide for part numbers			
Color	Black			
Keypad	No			Yes (4x3)
Dimensions	1.9" x 4.1" x 0.9" 4.8 cm x 10.3 cm x 2.3 cm	1.9" x 6.0" x 0.9" 4.8 cm x 15.3 cm x 2.3 cm	3.3" x 4.8" x 1.0" 8.4 cm x 12.2 cm x 2.4 cm	3.3" x 4.8" x 1.1" 8.5 cm x 12.2 cm x 2.8 cm
Product Weight (Pigtail)	4.0oz (114g)	5.2oz (149g)	7.8oz (222g)	9.1oz (258g)
Product Weight (Terminal Strip)	3.0oz (85g)	4.3oz (124g)	7.6oz (216g)	8.0oz (228g)
Operating Voltage Range	5-16 VDC, Linear supply recommended			
Current Draw - Standard Power Mode[2] (mA)	75	75	85	95
Current Draw - Intelligent Power Management (IPM) Mode[2] (mA)	40	40	50	70
Peak Current Draw - Standard Power or IPM Mode[2] (mA)	200	200	200	200
NSC[3] Power Consumption - Standard Power Mode (W @ 16VDC)	1.2	1.2	1.4	1.5
NSC[3] Power Consumption - w/ IPM (W @ 16VDC)	0.6	0.6	0.8	1.1
Operating Temperature	-31º to 150º F (-35º to 65º C)			
Storage Temperature	-67º to 185º F (-55º to 85º C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Environmental Rating	Indoor/Outdoor IP55; IP65 if installed with optional gasket (IP65GSKT)			
Transmit Frequency	13.56 MHz & 125 kHz			
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO®) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic (On by Default) - standard iCLASS Access Control Application (order with Standard interpreter) -ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN - MIFARE Classic and MIFARE DESFire EV1 custom data models - FeliCa™[4] CSN, CEPAS[4] CSN or CAN - MIFARE DESFire EV2 via EV1 backward compatibility			
125 kHz Card Compatibility	HID Prox[4], AWID[4], Indala, EM4102[4]			
Communications	Optional OSDP with SCP over RS485[4] Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use Shielded cable for best results			
Panel Connection	Pigtail or Terminal Strip			
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea)[4], NCC (Taiwan)[4], iDA (Singapore)[4], RoHS			
Cryto Processor Hardware Common Criteria Rating	EAL5+			
Patents	US7180403, US7439862, US7124943, US5952935, US6058481, US6337619			
Housing Material	UL94 Polycarbonate			
Manufactured with % of recycled content (Pigtail)	10.5%	11.0%	10.5%	10.9%
Manufactured with % of recycled content (Terminal Strip)	10.5%	11.0%	11.0%	12.3%
UL Ref Number	RP10E	RP15E	RP40E	RPK40E
Warranty	Limited Lifetime			

[1] *Read range listed is statistical mean rounded to nearest whole centimeter. HID Global testing occurs in open air. Some environmental conditions, including metallic mounting surface, can significantly degrade read range and performance; plastic or ferrite spacers are recommended to improve performance on metallic mounting surfaces.*

[2] *Measured in accordance with UL294 standards; See Installation Guide for Details.*

[3] *NSC = Normal Standby Current; See Installation Guide for Details.*

[4] *Not available on 9xxL part numbers.*

[5] *Supported Tags/Fobs - iCLASS, and MIFARE Classic*

hidglobal.com

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Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

2019-12-17-hid-multiclass-se-readers-ds-en PLT-00303

GEMINI™

Overview

The RGM75 Series is a 75W integrated 2U rackmount power system that incorporates system power, lock power and Mercury controllers.

RGM enclosures provide mounting for two Mercury controllers and multiple LifeSafety Power FlexPower® devices in an access control system capable of controlling four doors as a standalone or multiple doors when interconnected. LSP power modules are provided based on RGM model number and Mercury controllers are provided by the integrator based on the job requirements.

Available options include single (12 or 24V DC) or dual voltage operation (12 and 24V DC), power distribution and control, individual output protection by either fuses or class 2 power limiting, buffered lock control, and remote reporting and test. Each LSP output is protected against electrical surges caused by lightning or transients on the external wiring (SurgeShield™) and each LSP control output is individually selectable for available DC voltages, either failsafe or failsecure operation with fire alarm interface.

Optional network reporting capabilities include: operational fault status; power supply output; battery charging voltage; battery charging current; and fire alarm input status. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving or reducing the cost of on-site servicing.

The unit is intended for mounting within a standard four post EIA 19 inch electronics rack with a maximum depth of 36 inches.

MERCURY SECURITY

RGM 75 B - C8 M8 N Z / E

- GEMINI™ RACKMOUNT for MERCURY
- POWER (75 WATTS)
- 12V SECONDARY VOLTAGE
- DISTRIBUTION OUTPUTS
  - C4 - 4 controlled
  - C8 - 8 controlled
  - D8 - 8 auxiliary
  - M8 - 8 managed *Fused*
  - C4P - 4 controlled
  - C8P - 8 controlled
  - D8P - 8 auxiliary
  - M8P - 8 managed *Class II Power limited*
- NETWORK
- WIRE MGMT
- *For 230VAC Input*

c UL us CE RoHS compliant

Rackmount Features

- Integrated access system with lock and system power distribution
- Compartmentalized architecture for maximum reliability
- Rack drawer slide assembly simplifies controller wiring and maintenance
- Comprehensive wire management with tie down points and articulating bracket
- 120 or 230V AC user selectable input supports data center electrical systems

Configuration Options

- Single voltage or 12 and 24VDC dual voltage options cover all access functions
- Power distribution for either direct (D8) buffered (C8) or managed (M8)
- Individual output selection for failsafe, failsecure, lock voltage and fire alarm interface
- High capacity battery charge capability
- Automotive fuses for ease of service and replaceability
- Easy door expansion with multiple Gemini drawers
- Available companion battery housing for rackmount use (part number RBE)

Network Monitoring

- Monitor/alert power supply, battery operation and faults
- Remote test battery run time, low battery and time to service alert
- Monitor/power cycle individual outputs (M8N model)
- Monitor alert external room temperature

Fire Alarm Interface

- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed
- Voltage or Polarity Reversal Activation

Comprehensive fault detection and reporting

- May be connected into access controller or used standalone
- Form C contact transfer for AC Loss or brownout
- Form C contact transfer for abnormal system operation

Agency Listings

- UL, CUL, CE Access Control

Lifetime Warranty

Ordering

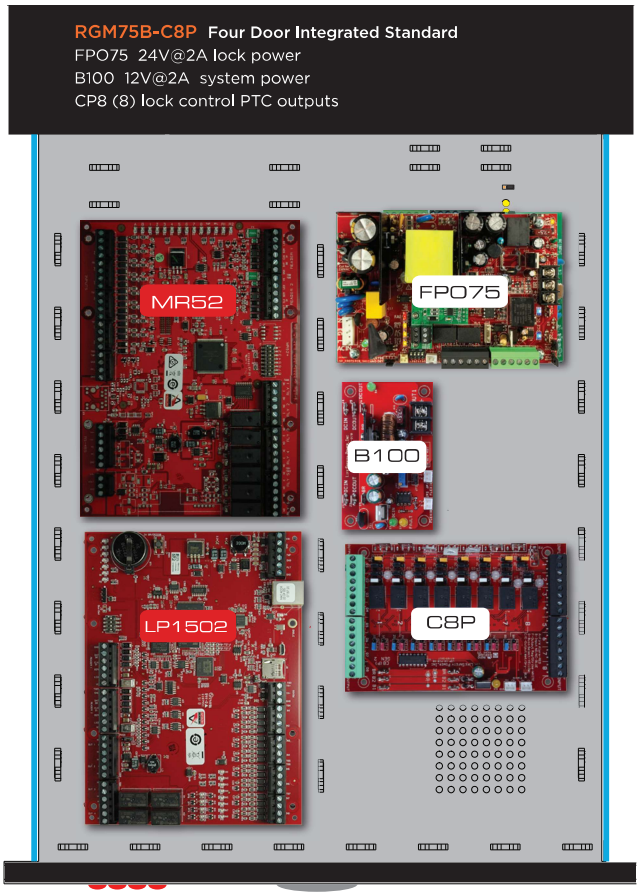
Model No.	Network	Voltage	Current	Internal Distribution: Bulk	Auxiliary	Control	Managed
RGM75-D8PZ		12V or 24V	6A/12V or 3A/24V	2	8		
RGM75-D8PNZ	Yes			2	8		
RGM75-C4PZ				2		4	
RGM75-CPZ				2		8	
RGM75-M8PNZ	Yes			2			8
RGM75B-D8PZ		12V and 24V	2A/12V and 2A/24V	2	8		
RGM75B-C4D8PZ				2	8	4	
RGM75B-C4D8PNZ	Yes			2	8	4	
RGM75B-C8PZ				2		8	
RGM75B-C8D8PZ					8	8	
RGM75B-M8PNZ	Yes			2			8

Single voltage - factory set to 12VDC
Dual voltage - outputs can be individually set for 12V or 24VDC
Networking - monitors power supply, battery set and relay control outputs
For CE 230VAC option, add " / E" suffix to model number, i.e RGM75-D8PZ / E

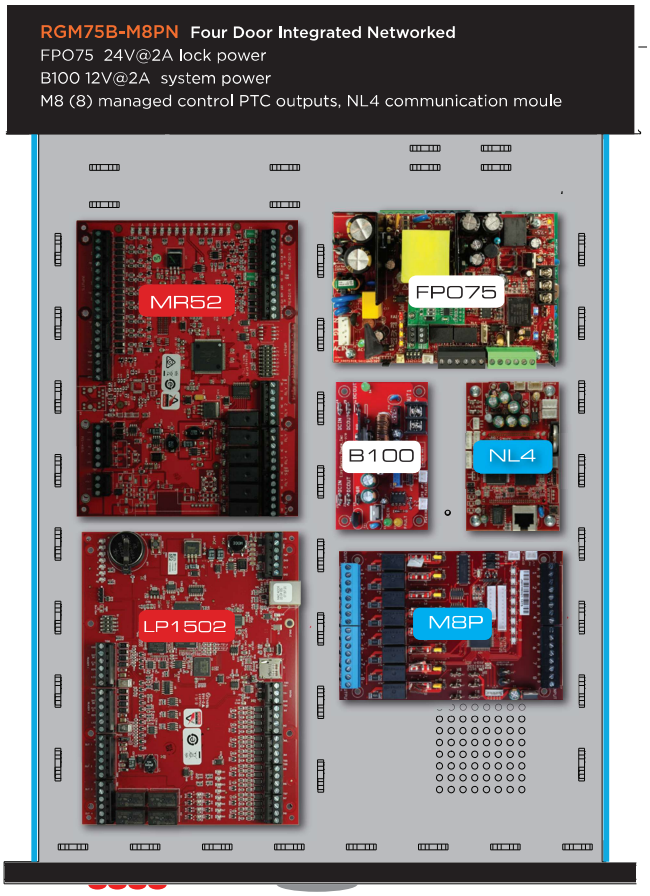
Specifications

Input Power	Input 120/230 VAC 50/60 Hz | 83 Watts Thermal overload protection / Short circuit protection
Output Power	RGM75 75 Watts: 6 amps at 12 VDC or 3 amps at 24 VDC *(factory default setting is 12VDC)* RGM75B 75 Watts: 2 amps at 12 VDC and 2 amps at 24 VDC *(factory set to 24VDC and 12VDC)* *(allows 1A per Mercury board, 0.50A per lock. If Mercury board draws less, lock power is more)*
Internal Power Distribution	D8/D8P eight auxiliary outputs: D8 fused at 3A/ea, D8P Class II Power limited at 2.5A/ea C4/C4P four control outputs: C4 fused at 3A/ea, C4P Class II Power limited at 2.5A/ea M8/M8P eight managed outputs: M8 fused at 3A/ea, M8P Class II Power limited at 2.5A/ea – *Individually selectable outputs on dual voltage systems*
Supervision	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts) System Fault, AC Fault, Ground Fault, Reverse Battery
External Indicators	AC on master on/off switch | Front Panel Mercury Status LEDs
Battery Charging	Maximum charge current 1.0 amp | Maximum battery capacity 40Ah Independent built-in charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Regulatory Compliance	CE, UL294 6th Edition, UL603, UL1076, ULC S318, ULC S319 (can mix and match Mercury and LSP modules togethr in any combination)
Access Panel Mounting	Two slots for LP1502, LP2500, MR52
BTU Rating	RGM75, RGM75B 33BTU/Hr
Physical Dimensions	2U rack mount (19.00"W x 3.50"H x 20.50"D) | Weight 24 lbs. | Z bracket wire management articulating arm

Drawer layout example of 4 door dual voltage



Drawer layout example of 4 door dual voltage managed system



INTERNAL POWER DISTRIBUTION options

D8 - DISTRIBUTED POWER TO Mercury

Eight individually protected power outputs
- *D8P Class 2 power limited at 2.5A per output*
- *D8 Fused at 3A per output*

Visual Indicators
- *DC Presence: Green LED per output*

Removable terminals
- *Accepts #12 to #24 AWG*

C4 - CONTROL OUTPUTS FOR LOCKS

4 access control trip inputs

4 individually protected lock control outputs
- *C4P Class 2 power limited at 2.5A per output*
- *C4 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

M8 - MANAGED OUTPUTS FOR LOCKS & Mercury

8 access control trip inputs
8 individually protected managed control outputs
- *M8P Class 2 power limited at 2.5A per output*
- *M8 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*
- *Activation or deactivation through software*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*
- *AC loss over ride for egress lock control*
- *Trigger points based on voltage or current values to send an alert via email or SNMP*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

FAULT DETECTION AND REPORTING

DETECTED FAULT CONDITIONS (ALL MODELS)

AC Power
- *AC loss, AC low, Master AC power switch*

DC Power and System
- *Abnormal or loss of power supply operation*
- *Over current, over temperature condition*
- *DC output high, low*
- *Battery Presence, Earth Ground (user optional)*
- *Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)*

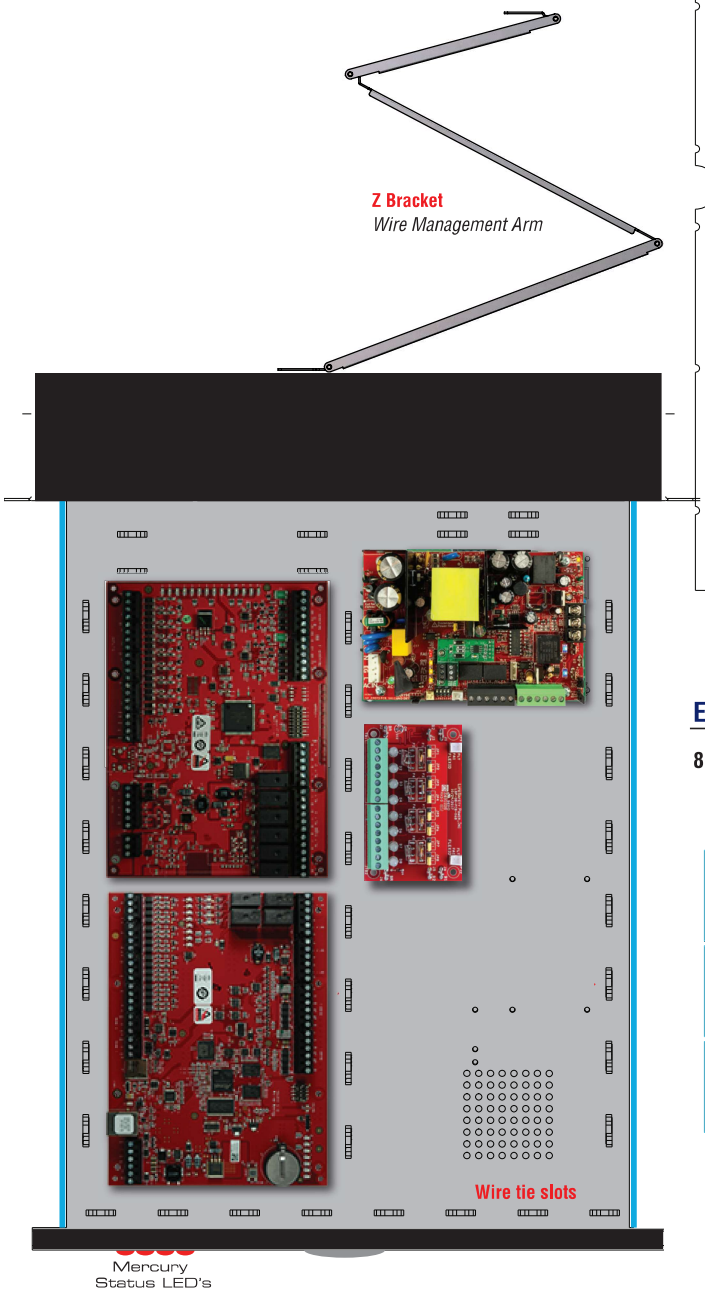
WIRE MANAGEMENT

Wire tie points

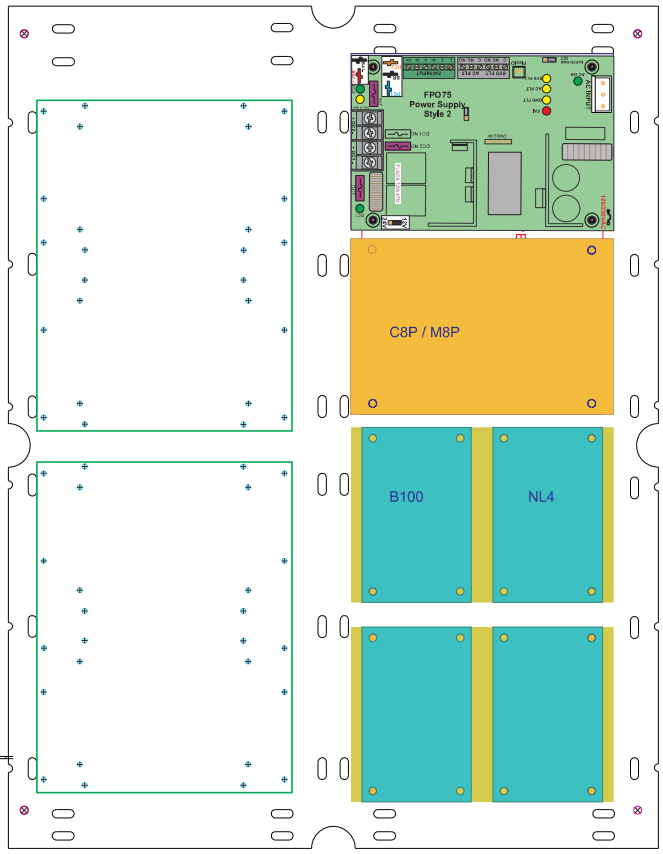
- *Drawer tie down points for access wiring*
- *Back chassis tie down points secures wire bundle*

Articulating arm

- *Z bracket with tie wrap points secures access wiring into drawer*



BACKPLATE CONFIGURATION OPTIONS



EXPANSION | BATTERY BACK-UP

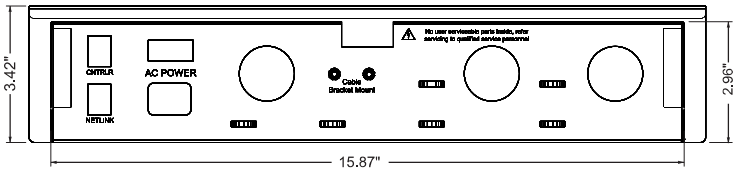
8 Doors

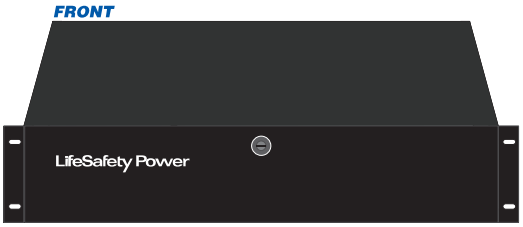
- *Stack multiple Gemini rack mounts for higher door counts*
- *Add RBE battery enclosure for battery back up*

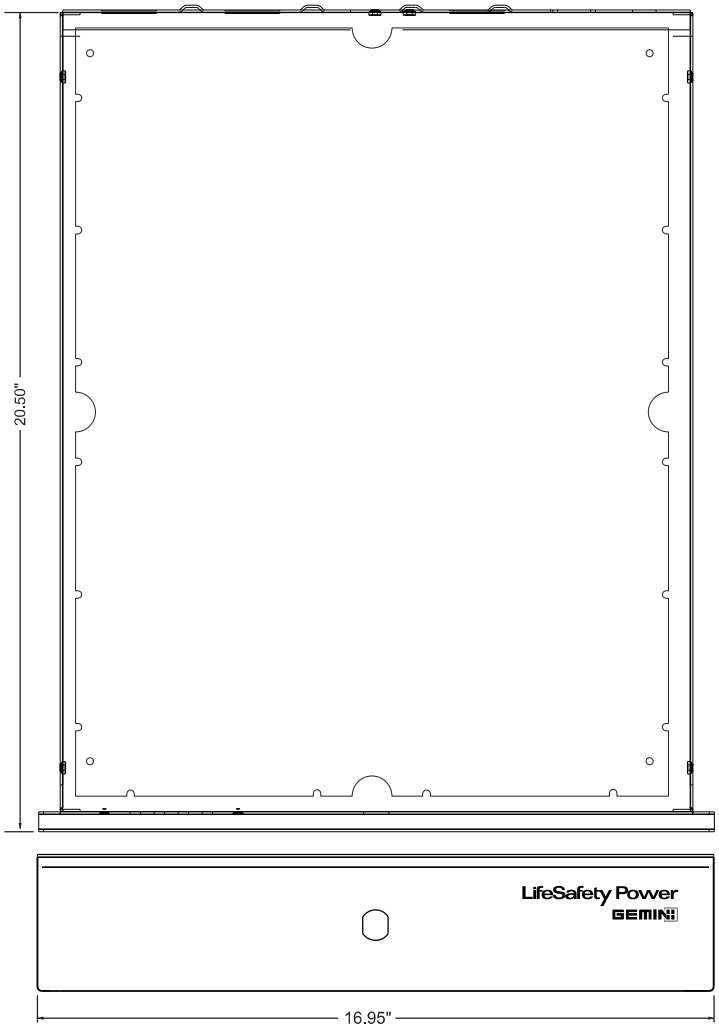
8 Doors w/battery back up

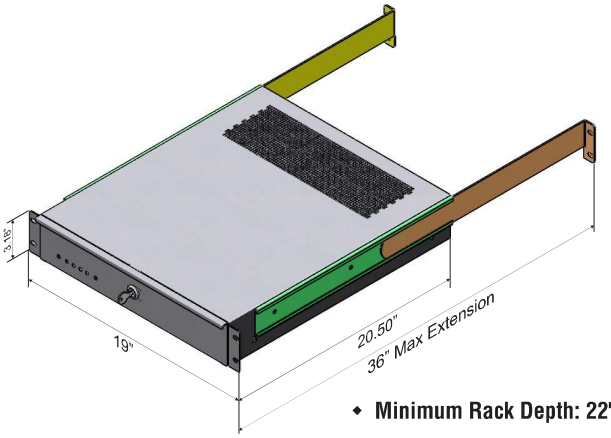
Mechanical

2U rack mount 19.00"W x 3.50"H x 20.50"D
Weight 27 lbs.

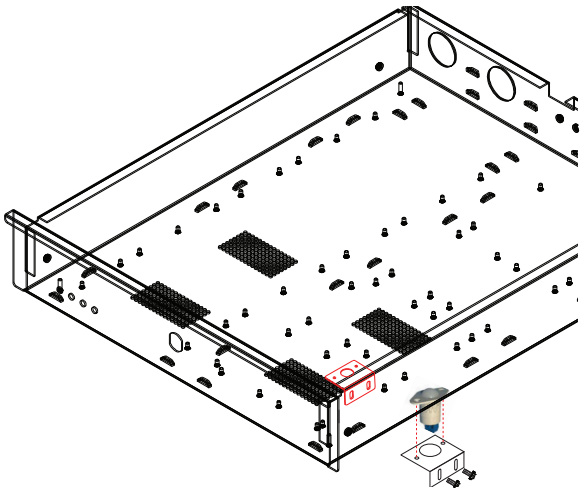








- **Minimum Rack Depth: 22"**



Included Tamper Switch

lifesafetypower.com

(888) 577-2898
info1@lifesafetypower.com

Specifications subject to change without notice.

P01-722A 07/22

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10027 S 51st Street, Suite 102
Phoenix, AZ 85044 USA

WV-S32302-F2L1

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All-in-one Compact dome camera with AI engine and IR-LED

- 2MP Compact dome camera
- Up to 2 Edge AI analytic apps
- Discreet design
- Wide angle of view (Horizontal 132°)
- Built-in IR-LED (21m/69ft)
- Built-in microphone
- IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant

i-PRO

SPECIFICATIONS

Camera	
Image Sensor	Approx.1/2.8 type CMOS image sensor
Scanning Area	5.57 mm (H) × 3.13 mm (V) {7/32 inches (H) × 1/8 inches (V)}
Minimum Illumination	Color : 0.02 lx (30IRE, F2.1, 1/30s, AGC:11)* 0.03 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0019 lx (50IRE, F2.1, 16/30s, AGC:11)* BW : 0 lx (50IRE, F2.1, 1/30s, AGC:11, IR LED: On) 0.02 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0013 lx (50IRE, F2.1, 16/30s, AGC:11)* *Converted value
White Balance	ATW1/ ATW2/ AWC
Maximum shutter	60 fps/30 fps/15 fps mode: Max.1/10000s to Max.16/30s 50 fps/25 fps/12.5 fps mode: Max.1/10000s to Max.16/25s
Intelligent Auto	On / Off
Super Dynamic	On / Off, The level can be set in the range of 0 to 31. *1
Dynamic Range	144 dB max. (Super Dynamic: On, Level: 31)
Adaptive Black Stretch	The level can be set in the range of 0 to 255.
Back Light Compensation/ High Light Compensation	BLC/ HLC/ Off, The level can be set in the range of 0 to 31. (only when Super Dynamic/ Intelligent Auto: Off)
Fog Compensation	On/ Off, The level can be set in the range of 0 to 8. (only when Intelligent Auto/ Auto contrast adjust: Off)
Maximum Gain (AGC)	The level can be set in the range of 0 to 11.
Color/BW (ICR)	Off/ On(IR Light Off)/ On(IR Light On)/ Auto1(IR Light Off)/ Auto2(IR Light On)/ Auto3(SCC)
IR LED Light	High/ Middle/ Low/ Off Maximum irradiation distance : 21 m {Approx. 69 ft} (30IRE)* , 15 m {Approx. 49 ft} (50IRE) * Converted value
Digital Noise Reduction	The level can be set in the range of 0 to 255.
Video Motion Detection (VMD)	On/ Off, 4 areas available
Scene Change Detection (SCD)	On/ Off, 1 area available
Audio Detection	On/Off
AI Sound Classification	Selectable from Gunshot, Yell, Vehicle horn, Glass break
AI Analytics	AI Video Motion Detection, AI Privacy Guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Non mask Detection (prior to V2.70), AI Occupancy Detection, AI Scene Change Detection For details : https://i-pro.com/products_and_solutions/en/surveillance/products/analytics-software 3rd party applications are also available. https://i-pro.com/products_and_solutions/en/surveillance/solutions/edge-ai-platform/application-list
Privacy Zone	On/ Off, up to 8 zones available
VIQS	On/ Off, up to 8 zones available

Image Rotation	0° (Off)/ 90°/ 180° (Upside-down)/ 270°
Camera Title (OSD)	On/ Off, Up to 40 characters, Up to 2 Lines (alphanumeric characters, marks)

Lens	
Optical zoom	1x
Extra zoom	max 3.0 x (when resolution is 640x360)
Digital (Electronic) zoom	-
Focal length	2.4mm {3/32inches}
Angular Field of View	[16:9 mode] Horizontal: 132° , Vertical: 74° [4:3 mode] Horizontal： 99°, Vertical： 74°
Maximum Aperture Ratio	1 : 2.1
Focus range	0.5 m {19-11/16 inches} ~∞
Aperture range	F2.1

DORI	
Detect (25ppm / 8ppf)	17.1m / 56.1ft
Observe (62.5ppm / 19ppf)	6.8m / 22.4ft
Recognize (125ppm / 38ppf)	3.4m / 11.2ft
Identify (250ppm / 76ppf)	1.7m / 5.6ft

System on Chip (SoC)	
System on Chip (SoC)	Ambarella CV25M

Adjusting Angle	
Adjusting Angle	Horizontal (PAN) angle: -45°to +45° , Vertical (TILT) angle: 0°to +90° Azimuth (YAW) angle: -90°to +90°

Browser GUI	
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser *2	Microsoft Edge, Firefox, Google Chrome

Network	
Network IF	10BASE-T/100BASE-TX, RJ45 connector
Resolution	[16:9 mode(60 fps mode/ 30 fps mode/ 50 fps mode/ 25 fps mode)] 1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode(30 fps mode/ 25 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode/ 12.5 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA *Used by super resolution techniques
H.265/H.264 Transmission Mode / Type *3	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	[GOP(Group of pictures) control] Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced (Fixed GOP 60 seconds with 1 second Key frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control) *Advanced and Frame rate control are only available with H.265. [Smart VIQS] On(High)/On(Low)/Off [Smart P-picture control] On/Off
Audio Compression	G.726 (ADPCM): 32 kbps/16 kbps , G.711: 64 kbps , AAC-LC: 64kbps/96kbps/128kbps *4

Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, LLDP, FTP, SFTP, MQTT IPv4: TCP/IP, UDP/ IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Secure	FIPS 140-2 level 3 (NXP® EdgeLock® SE050F), Device Certificate GlobalSign® pre-installed, HTTPS, User authentication, Digest authentication, Host authentication, IEEE802.1X, System log, Image transmission log, Brute-force protection, Alteration detection, Signed Firmware
SDXC/SDHC/SD Memory Card (Option)	microSDXC memory card: 64 GB,128 GB,256 GB,512 GB microSDHC memory card: 4 GB,8 GB,16 GB,32 GB , microSD memory card: 2 GB
Mobile Terminal Compatibility	iPad / iPhone (iOS 8.0 or later), AndroidTM mobile terminals
ONVIF®Profile	G / M / S / T

Alarm	
Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output

Input/Output	
Monitor Output	-

General	
Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035
Power Source	PoE (IEEE802.3af Compliant)
Power Consumption	PoE DC 48V: 180mA / approx. 8.6W (Class 0 device)
Ambient Operating Temperature	0 °C to +40 °C {32 °F to 104 °F}
Ambient Operating Humidity	10 % to 90 % (no condensation)
Water and Dust Resistance	-
Shock Resistance	IK10 (IEC 62262)
Wind Resistance	-
Dimensions	109 mm (W) x 53 mm (H) x119 mm (D) {4-19/64inches (W) x 2-3/32 inches (H) x 4-11/16 inches (D)}
Mass (approx.)	approx. 455g {1.00 lbs}
Finish	Main body: Aluminum die cast, BLACK / Front panel: PC resin, Clear
Other	Tamper-resistant enclosure *5

NOTES

*1 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
*2 For information on the operation verification of the web browsers, refer to our support website <Control No.: C0132>.
*3 Transmission for 4 streams can be individually set.
*4 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity) .
*5 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver.

Important
– Safety Precautions : Carefully read the Basic Information,Installation Guide and Operating Instructions before using this product.
– i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
– Masses and dimensions are approximate.
– Specifications are subject to change without notice.

OPTIONAL ACCESSORIES

Select a compatible accessory
Accessory Selector (i-pro.com)

WV-QWL500-W
Mount Bracket

WV-QWL500-B
Mount Bracket

WV-QPL500-W
Mount Bracket

WV-QPL500-B
Mount Bracket

WV-QJB502A-W
Mount Bracket

WV-QJB502A-B
Mount Bracket

WV-QJB500-W
Mount Bracket

WV-QJB500-B
Mount Bracket

WV-QCN500-W
Mount Bracket

WV-QCN500-B
Mount Bracket

WV-QCL101-W
Mount Bracket

WV-QCL101-B
Mount Bracket

WV-QAT502-W
Gangbox Adapter

WV-QAT502-G
Gangbox Adapter

WV-SDB256G
i-PRO SD Memory Card

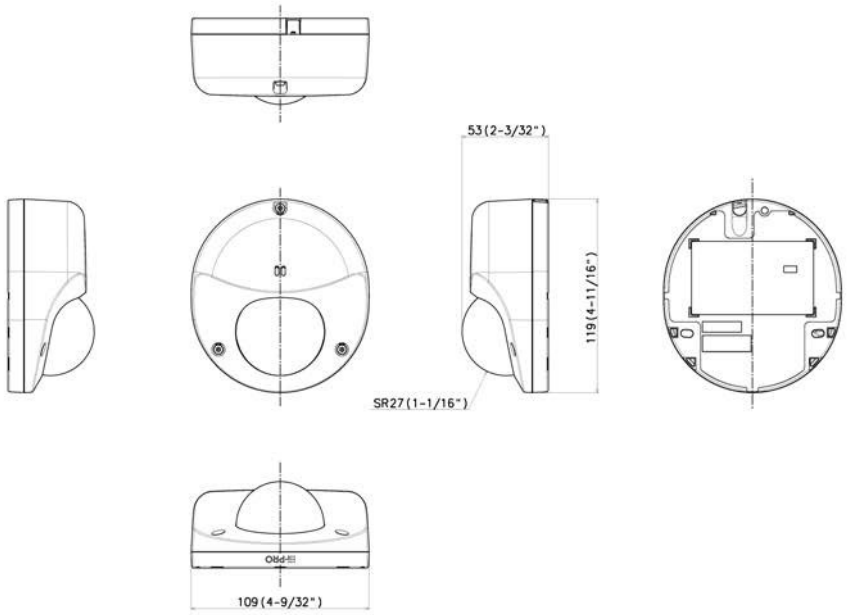
WV-SDB128G
i-PRO SD Memory Card

WV-SDB064G
i-PRO SD Memory Card

WV-SDB032G
i-PRO SD Memory Card

WV-QDC505C
Dome Cover

APPEARANCE



Mass : Approx. 550 g (1.21 lbs)

Unit:mm


WARNING
DO NOT OPERATE SYSTEM WITH
CONFLICT MONITOR DISCONNECTED

Get In Touch

WE ARE HERE TO HELP MAKE
GREAT SECURITY ACCESSIBLE

sts360.com

(972) 392-3635

@sigma-sts-360

info@sts360.com

14229 Proton Rd,
Dallas, TX 75244

Inc5000

DIR-CPO-4770

654-21

1202542335600

B10434601

STS360 SECURITY TECHNOLOGY SOLUTIONS

TURNKEY SECURITY INTEGRATION

ADVANCED END-TO-END SECURITY SOLUTIONS

We have prepared a quote for you

183A - Access Control and Video Surveillance Solution for Toll Cabinets

Quote # STS360STS003108
Version 1

Prepared for:

Central TX Regional Mobility Authority

Cory Bluhm Bluhm
cbluhm@ctrma.org

FIRM PROFILE

GENERAL COMPANY INFORMATION

Company Name: Sigma Surveillance, Inc. DBA STS360

Principal Place of Business: 14229 Proton Rd, Dallas, Texas, 75244

Main Phone: (972) 392-3635 **Fax Number:** (866) 223-8167

STS360 Contact: Chandler Rawlings

Contact Office Phone: (972) 300-1082 **Contact Cell Phone:** (940) - 366 -5831

Contact Email Address: Chandler@sts360.com **Contact Title: Executive Account Manager**

Secondary STS360 Contact: John Hoffman

Contact Office Phone: (469) 212-6022 **Contact Cell Phone:** (469) 212-6022

Contact Email Address: John@sts360.com **Contact Title: Executive Vice President**

Field Technical Support Center Locations: Dallas, Texas - Carrollton, Texas - Houston, Texas - Austin, Texas - Alice, Texas - Corpus Christi, Texas - Wichita Falls, TX - Fort-Worth, Texas - El Paso, Texas

STS360's PRINCIPALS:

Bobby Khullar, President / CEO **Email:** bobby@sts360.com

John Hoffman, Executive Vice President **Email:** john@sts360.com

Years in Information Technology: 20 **Years in Security Business:** 20

Type of Ownership: Privately held **State of Incorporation:** Texas

Type of Incorporation: S Corporation **Year Founded:** 2005

Number of Employees: 30+ STS360 Employees 100+ subcontractor employees

Vendor ID Number: 20-2542335 **HUB Vendor?** Yes Cert: 1202542335600

Bonding Capacity: $25 million per project / Aggregate $25 million

AUTHORIZED NEGOTIATOR: John Paul Hoffman, Executive Vice President

FIRM PROFILE

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

VENDOR QUALIFICATIONS

STS360 has been designing, installing, and supporting network-based security systems for over fifteen (20) years, and intends to demonstrate to The Central TX Regional Mobility Authority Purchasing representatives that during this time we have garnered significant experience and qualifications that make us an outstanding candidate for consideration of award. STS360 has been installing and supporting large Video Surveillance, Access Control, Intrusion and Audio visual installations for State Agencies, Counties, Cities, Towns, and Schools for years.

STS360 was founded as an IT Systems consultant and integrator in 2000. We found ourselves naturally moving core services to security solutions due our customers' increasing demands for network-based security. Since we were already proficient in networks and IT Systems, the transition was natural and STS360 became a leader in providing IP solutions well before they became commonplace solutions. We tailored innovative security solutions to solve our clients' security needs and provide high ROIs through loss prevention, improved operational oversight, liability mitigation, reduced investigation times and safer, more secure environments.

STS360 is highly qualified and experienced in the services we perform and product lines we offer. STS360 is very careful to approach technology with a few key prejudices. (1) it must be expandable, meaning that the end user should not be limited in their ability to expand their security system in the future should they desire to, whether because of technology limitations or cost limitations; (2) the products must be proven to be of the highest of quality available in the market for that type of product. Our customers deserve a strong solid solution with a long-term lifecycle and support, and we will not promote a product we do not believe will be the best return on investment for our customers At STS360 our experience proves invaluable to the longevity of our partnerships with our clients and supported systems.

STS360 invests in our success by investing in our employees' growth. We certify all STS360 technicians on the various products that we sell and support. STS360's operational procedures also mandate a minimum of 8 hours of training per month for all of our senior and field technicians as a part of their job duties, because there's always room to learn and improve. These monthly trainings can range from manufacturer factory certification training and network certification, to online tests on industry codes & hands-on trainings in our technology lab at STS360 headquarters. STS360 also invests in our subcontractor's education and frequently brings them into our training program to insure they are meeting our high standards.

Considering the sensitive and, unfortunately, critical nature of the service we provide, STS360 has been successful in fostering long-term customer relationships because of our stellar performance and support. We have installed and continue to support tens of thousands of devices for our customers because they trust us to provide the same unparalleled support year after year.

STS360 excels in being flexible, exercising creativity, and providing unwavering attention to detail to customize unique Security Technology Solutions to achieve our clients' diverse needs. We can do this because we have the talent of a large company with the maneuverability and competitiveness of a small one. With a team of technically savvy systems engineers, field service technicians, support staff, account managers and project managers instead of solely technical, contractual and sales expertise, STS360 can honestly say that we truly rise to any challenge a client puts forth to us.

ADDITIONAL QUALIFICATIONS:

HUB CERTIFIED BUSINESS: 1202542335600
NCTRCA, MBE, SBE

As a Certified HUB, we are proactive in HUB outreach and attend/exhibit as such in conferences statewide. We participate in the DIR Conference's HUB Networking Event and build relationships with Minority owned businesses across the State of Texas that are pursuing the

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

status while promoting its benefit to those subcontractors utilized that are not yet certified. We approach every project with a goal of assisting our community.

HIGH BONDING CAPACITY

Lastly, we believe that our strength in our bonding capacity speaks volumes to our qualifications and financial stability. When you work with STS360 you can guarantee that you are working with a solid company who will always be there for you. STS360 has been bonding projects for over 15 years. We have a bonding aggregate capacity of $25million, up to $25million for a single project, and have had active bonds upwards of $25million at any given time. We have successfully completed all the bonded projects and continue to have our bonding capacity increased year after year when Philadelphia Insurance does their yearly audits.

i-PRO PREFERRED PARTNER

STS360 received and maintains the Premier "i-PRO Preferred Partner" designation for outstanding understanding of the product, solutions, and expertise in integration. This prestigious status provides STS360 the ability to offer forensic software and analytics unavailable outside of 15 dealers nationally. Additionally, it provides STS360 with extra resources to improve competitive advantages when proposing i-PRO Solution as well as Operating Inventory Priority.

SAFETY AND COMPLIANCE – SINCE 2005

- OSHA COMPLIANCE – **100%**
- OSHA INVESTIGATIONS - **0**
- Employee Injuries – **0** Since Business Inception
- Subcontractor Injuries – **0** Since Business Inception
- Average MOD Factor – **0.93**

MANAGEMENT STRUCTURE

Bobby Khullar - CEO, President, Owner

Bobby had a successful career in Federal contracts and IT. Seeing the increased need for IP Security Products, Bobby built STS360 from the ground up in 2005. With keen knowledge of IT and government contracts, and the firm dedication of his carefully assembled team, he rapidly grew STS360 by leading with IP technologies in a time when analog technology still dominated the market. For 18 years, STS360 continues to be a leader in the security public sector market with Bobby at its helm.
bobby@sts360.com

John Paul Hoffman – Executive Vice President

John Paul Hoffman, a security industry veteran of 20 years, worked through the ranks to Executive Vice President where he assists in managing STS360 while actively running his sales team. He maintains the Texas Security Integrator market by cultivating relationships among Texas State Agencies, Counties, Cities, Towns, School Districts, and manufacturers. John is well known for his availability and willingness to consult on the industry. Heavily certified in security technology, versed in installation requirements, and customer devoted, his clientele confidently rely on his guidance.
john@sts360.com Cell: (972) 300-1082

Jose Garza – CTO

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Jose Garza has been in the IT sector for over 25 years, working in both Private and Public Sectors. As CTO, he is responsible for maintaining the level of quality of IT Services provided by STS360 as well as ensure STS360 is operating at the latest industry standards. As COO, Jose overseas the Company's Service and Project Teams. Jose Garza is 3-time Cisco Certified Network Professional (CCNP) in routing and switching. Jose Garza is also holds Microsoft, CompTIA, and HP Certifications. He has also worked to provide Cybersecurity Solutions assessments to the Public and Private Sectors.

Jose Avina - Field Operations Manager

Over a decade of experience has Jose Avina managing the physical implementations of STS360 Projects. A Certified Level 3 Alarm and Fire Auditor, Jose joined STS360 to run the company's onsite operations initially with the Safe City Program. Jose has risen to manage several team schedules and he quality controls installations of his team leads and technicians. Setting the bar of standards for field execution of cabling, mounting, and proper field etiquette, his patience, integrity, and respect have earned him a reputation for excellence by end users and employees alike.
avina@sts360.com

Kartavya Mahadevia – Senior Technical Project Manager and Engineer

With over 20 years of experience in Information technology and project management, he has been with STS360 since 2005. Kart is a Microsoft Certified System Engineer and has certifications from various leading security manufacturers. Kart's expertise is in various Video Management, Access Control, Intrusion, Wireless, Server, Storage and Networking System technologies. He is an integral part of System Design to System Deployment and System Support and he manages several teams. Kart has earned many accolades from our customers and will serve as the front man for technical troubleshooting, system configuration, and training.
kart@sts360.com

CERTIFICATIONS

Video Management Systems

Verkada	Video Insight
OnSSI	Exacqvision
Milestone	Salient
Axis	Wisenet WAVE

Access Control Systems

MonitorCast	Continental Access
Open Options	SALTO Systems
Isonas	RS2

Camera Certifications

Panasonic/Arbitrator	Illustra
Axis	Advidia
Hanwha	FLIR

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Sony	Hikvision
Bosch	Mobotix
Honeywell	Interlogix
Arecont	GeoVision

PROJECT MANAGEMENT

STS360 knows the only way a project will be successful is if all key components come together and are well organized and managed both before and throughout the entirety of the implementation. The key components of a project are Scope, Schedule (time), Budget (cost) and of course, Quality. At STS360 our project managers focus on these key elements and are supported by a solid team of professionals working to exceed expectations.

A project always starts with **Scope**; do the customer and STS360 clearly understand and agree upon the scope of work and products to be installed? This does not simply refer to what is proposed and awarded, this is more granular and begins as soon as the contract is awarded. The STS360 design team will work with the Central TX Regional Mobility Authority stakeholders to tour facilities, refine any unique design needs for each location and environment, and present a final design and scope for each location to the Central TX Regional Mobility Authority Stakeholders. Once the design is agreed upon, the project manager will work with the Executive Stakeholders and the STS360 Project Coordinator to schedule a project kickoff meeting for all involved parties including all CTRMA support team stakeholders, CTRMA IT Department, STS360 project team members, STS360 Executive Oversight, and any subcontractor representatives. Prior to this meeting the STS360 project manager will review pre-project documentation with the Executive Stakeholders, including but not limited to system rights and configuration settings, final drawings & diagrams, phase payment schedules and milestones, and communication plan with assigned roles and responsibilities. Any revisions will be completed prior to the kickoff meeting. We propose the project kickoff meeting be held on site and the installation schedule, security procedures / risk mitigation, and communication plan be addressed. After the formal kickoff meeting, we propose to have each site walked before any equipment is placed or installed to seek approval for any penetrations, equipment placements or special considerations. Also, this allows the local representative whether that be the IT Manager or CTRMA Engineer or whomever the agency assigns, to become familiarized with the scope, schedule and team that will be working with on their territory.

The next key component of course is managing **Budget (Cost)**. STS360 does not believe in going in low and change ordering our customers' after award to gain our profit. What we propose is what you pay. The only time you will see STS360 asking you for a revision to a purchase order is if the customer asks us to add additional components to the scope. If something was missed in our proposal STS360 takes liability for any impact to our profitability that causes. If our costs increase on equipment or labor STS360 takes liability for the impact to our profitability. Return on investment is an important factor that we must consider when designing a project, especially when budgets are tight and recurring fees just add to the overall cost but provide little value over the life of the final product itself. With that in mind, STS360 the products we have chosen are from market leaders in their respective technologies was specifically designed for use in enterprise scenarios with an eye to quality and long-term ROI.

Thirdly we have **Schedule (Time)**. On projects time, can have a way of running away from you if not managed properly, and we know our clients' time and their need to have a functional system as quickly as possible is paramount. As part of our project plan, we have proposed these projects be completed in multiple phases to ensure an expeditious completion to all aspects of the scope of work. We will consider each install a "phase" and while some of these phases may run concurrently as they are able to be managed separately to make best use of resources. We are dedicated to a smoothly run project. To delay each significant milestone, punch lists, 3rd party testing & documentation acceptance until the end of the project when ALL locations are completed, will create a bottleneck at the end of the project and prolong a successful completion. Therefore, we will attend to each installation location as a separate "phase." STS360 will also train local and administrative staff after each facility is installed instead of just waiting until the end. We will also conduct a final training with any parties that need to attend or want to be refreshed, in a central location for a min 4 hours if required.

Lastly but not least you cannot talk about a project plan without discussing **Quality**. Quality control checks and balances must be a

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

continuous part of a project, not left to the end of a project. Leaving quality control to the end of a project leads to extensive punch lists, delayed documentation completion, throwing off the schedule & most importantly will make the agency question our qualifications. Before any product even reaches the site for installation it will be bench tested in our lab in Dallas to ensure it is functional. It will then be burned in for a period of no less than 24hrs, in a simulation exactly to scope for this project, to ensure the functionality is working correctly. Then all hardware will be pre-configured with IP addresses provided by the agency and labeled by location, IP address and the system documentation started before it ever leaves our facility. Each site will be assigned a job supervisor and enough crew members to complete the job on time or earlier. Senior Technicians and /or Project Manager will be visiting each facility at a minimum of 2 days per week if not more to manage the supervisors progress, do spot quality checks, ensure that the workspaces are being kept clean and safe, and to retrieve documentation. If the senior technician or the project manager find any discrepancies, they are immediate addressed and fixed by the appropriate party. Our Project Coordinator continually does audits on the work product coming from the field, e.g. Is the project team on schedule? What staff is onsite and what did they do that day? Did they show up on time and leave on time? Are there additional materials or equipment needed to be sent out and when does it need to be delivered? Are the system documentation and drawings being updated and added to our secured CRM, so we always have the most up to date information? Is the system documentation correct and formatted clearly? At the end of the project phase and upon our own internal review of quality, STS360 will notify the agency that we are ready for a final system test and punch list walk through assessment with the assigned stakeholder. Any discrepancies found are noted and corrections made immediately. The likelihood of a significant punch list, however, is slim due to our dedication to quality throughout the installation.

To conclude this section, it is important that we note that not only will we comply with the documentation that is requested by the agency, STS360 also provides an extensive amount of data that is searchable and updated throughout the warranty period as equipment is replaced. This includes but is not limited to any serial numbered device showing the following information:

- Part Number
- Description
- Serial Number
- Mac Address
- Ip Address
- Campus / Facility
- Camera Name
- Camera Installation Location
- Camera Mount Type
- Indoor / Outdoor Designation
- Associated IDF / MDF
- Associated Rack
- Associated Patch Panel Ports
- Associated Network Switch Name
- Associated Network Switch Ports
- Associated Power Source (If Applicable)
- Camera Settings
- Live and Recording Settings
- Live Server Path
- Archive Path
- Mfg. Warranty
- And Other Related Settings

STATEMENT OF WORK - Toll Cabinets

STS360 is pleased to offer the below statement of work for Central TX Regional Mobility Authority

STS360 will be responsible for providing a Turnkey Quote and Build out for Roadway 183A Toll requested Access control and video Surveillance solution for the toll cabinets.

STS360 has proposed a solution including installation, operation and services for the complete system as requested.
STS360 will be responsible for installing, configuring and servicing the following, including but not limited to:

Installing a access control and video surveillance system to each 142

toll cabinets.

Total Roadways and Final Counts:

		1-Door Cabinet		2-Door Cabinet		4 - Door Cabinet		Total	
Roadway	Deployment	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total No. of Cabinets	Total No. of Doors
183A	Tolling	6	6	3	6	2	8	11	20
183A Ph III	Tolling	0	0	0	0	10	40	10	40
183A Ph III	ITS	4	4	11	22	0	0	15	26
183 Toll	Tolling	0	0	13	26	1	4	14	30
290 Toll	Tolling	3	3	1	2	8	32	12	37
290 Toll	ITS	0	0	19	38	0	0	19	38
Mopac	Tolling	0	0	1	2	4	16	5	18
Mopac	ITS	0	0	4	8	0	0	4	8
SH 71	Tolling	0	0	1	2	1	4	2	6
45SW	Tolling	0	0	0	0	1	4	1	4
183N	Tolling	0	0	0	0	3	12	3	12
183N	ITS	0	0	46	92	0	0	46	92
Total:								**142**	**331**

Total Number Of Cabinets for 183A Toll:

		1-Door Building		2-Door Cabinet		4 - Door Cabinet		Total	
Roadway	Deployment	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total No. of Cabinets	Total No. of Doors
183A (Ph I+II)	Tolling	6	6	3	6	2	8	11	20

STATEMENT OF WORK - Toll Cabinets

20= Cameras Lp1502 = 11
20= Doors Mr52 = 2

1. Project Planning and Site Assessment

Site Survey: Inspect the installation site to assess physical space, power requirements,and any structural considerations.
Space Evaluation: Measure the space and confirm adequate clearance and accessibility for installation.
Project Planning: Outline the full project timeline, including milestones for delivery, installation, and testing.

2. Design and Engineering

Power / Data Layout: Design the data distribution to ensure uniform power delivery and stable data connections to each Server.

3. Servers (AI Servers, VI Servers, and Access Control Server)

System Configuration: Set up the video and access control systems and settings. (Will Train CTRMA)
Content Management System (VMS): Install or configure the VMS for managing and scheduling displayed content.
Video Calibration: Adjust brightness, contrast, and color uniformity across panels to ensure consistent image quality.

4. Software Configuration

Input Source Configuration: Configure video inputs and outputs from the media player, streaming sources, or other AV equipment.
Control System Programming: Set up software for user-friendly control, such as switching inputs, scheduling, and adjusting settings. Will also work with CTRMA to set up AI analytics and system rules for the access control and video management software.

5. Training and Handover

Training: Train users on system controls, content management, and basic troubleshooting.
Documentation: Provide comprehensive documentation covering system setup, maintenance, and troubleshooting.
Maintenance Schedule: Outline a recommended schedule for cleaning, maintenance, and inspection.

6. Post-Installation Support

Warranty and Support: Provide warranty details and contact information for ongoing support.
Remote Monitoring (if applicable): Set up remote monitoring for diagnosing and addressing issues.
Onsite Troubleshooting: Offer support options for addressing hardware or software issues post-installation.

Bill of materials:

- HES locks
- Type 2 Brackets – Custom CTRMA Cabinet brackets
- Latchbolt Throw: 1/2" Lock Type: Cylindrical Lock Wired - Wiegand for ILP Toll walk in buildings.
- Door/cabinet contacts
- Access control boards (MC-LP1502) and (MC-MR52-S3B)
- Video Surveillance Cameras (i-PRO)

STATEMENT OF WORK - Toll Cabinets

- blue tooth Readers – one per door – with 100 BT licenses 3y
- Cable: CAT6 and Access Control Cable
- Patch cords 3ft
- LSP Rack mounted enclosure 300 - (Gemni unified rack mounted system)

This Quote is for a one trip and turnkey install for all 11 cabinets. Any Cabinet that is not ready for install once STS team has been deployed and requires additional trips is subject to a change order for each additional trip. This also applies to any cabinets that are faulty and in need of repair that causes a delay prior to the arrival of STS for deployment once deployed.

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
MC-LP1502	I-Pro	Intelligent Controller (2 Rdrs, 8 Inputs, 4 Outputs)	11	$2,279.94	26.85%	$1,667.85	$18,346.35
MC-MR52-S3B	i-PRO	Reader Interface Module - Series 3B (2 Rdrs, 8 Inputs, 6 Outputs)	2	$1,043.40	26.85%	$763.28	$1,526.56
WV-S32302-F2L1	i-PRO	2MP INDOOR VANDAL DOME CAMERA WITH AI ENGINE, H.265/H.264/MJPEG, 2.4MM FIXED LENS, IR LED, BUILT-IN MICROPHONE, IP66, IK10, FIPS 140-2 LEVEL 3 COMPLIANT, 5 YEAR WARRANTY, VIDEO INSIGHT 7.9.X OR HIGHER, BLACK COLOR	20	$512.81	28.31%	$367.64	$7,352.80

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
630REL-XT1130	HES	RUGGEDIZED ELEC MAG DEADLOCK CABINET LOCK	14	$1,299.00	44.93%	$715.38	$10,015.32
STS-Cust-DH	STS360	Type 2 Brackets - Custom	14	$125.00	50.00%	$62.50	$875.00
70-SN200-10XG271-BIPS-0E-L-L-26D-RH	STS360	Latchbolt Throw: 1/2" Lock Type: Cylindrical Lock Wired - Wiegand	6	$2,712.50	50.00%	$1,356.25	$8,137.50
QC-C1500P	STS360	15' 2 Inch Wire HarnessWith 8 & 4 Pin ConnectorMolex Connector One EndPins Crimped Other End 12 Wires	6	$165.42	50.00%	$82.71	$496.26
RGM75B-M8PNZ	Lifesaftey power	RGM75B-M8PNZ is a dual voltage, power supply-battery charger system. The unit is configured in a painted, steel, locking enclosure with tamper switch and integral battery space, and provides 2 FPO power supplies, each of which can be set for 12 or 24V. A	11	$1,801.00	28.16%	$1,293.83	$14,232.13
20NKS-00-000000	HID	SIGNO 20,BLK/SLVR,PIG,CRD PFL STD,MA RDY,FMT:ASP10022,WIEG,32-B MSB,EM:32-B,LED:RED,FLSH:GRN,BZR,SRF:ON,IPM:OFF,VEL:OFF,TAP	20	$412.58	42.22%	$238.38	$4,767.60
31951099	Honeywell	18-4+22(2+4+6)1S CMP PROFN 1M	1	$1,099.00	17.38%	$907.97	$907.97
77-240-2B	Superior Essex	4x23 CAT 6 CMP Blue 1,000ft Box	1	$499.00	30.04%	$349.08	$349.08
1076D-M	Edwards Signaling	Flush Brown Door Position Switch (contact) DPDT	20	$88.00	41.25%	$51.70	$1,034.00
N238-001-BL	Tripplite	Cat6/Cat5e 110 Style Punch Down Keystone Jack - Blue, TAA	20	$7.10	53.66%	$3.29	$65.80
N201-003-BL	Tripplite	Cat6 Gigabit Snagless Molded (UTP) Ethernet Cable (RJ45 M/M), PoE, Blue, 3 ft. (0.91 m)	20	$6.62	53.78%	$3.06	$61.20
MISC	STS360	Misc. Accessories and Consumables	1	$16,945.00	50.00%	$8,472.50	$8,472.50
TPM	STS360	Technical Management and System Programming	1	$43,979.00	50.00%	$21,989.50	$21,989.50
LABOR	STS360	Project Implementation and Installation	1	$93,828.50	50.00%	$46,914.25	$46,914.25

14229 Proton Rd
Dallas, Texas 75244
sts360.com
(972) 392-3635

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
WAR0001	STS360	1 Year Onsite Parts and Labor Warranty	1	$29,860.00	50.00%	$14,930.00	$14,930.00

Subtotal: **$160,473.82**

183A - Access Control and Video Surveillance Solution for Toll Cabinets

Prepared by:

STS360

Chandler Rawlings
940-366-5831
Fax (866) 223-8167
Chandler@sts360.com

Prepared for:

Central TX Regional Mobility Authority

3300 N IH-35 Suite 300
Austin, TX 78705
Cory Bluhm Bluhm
(979) 220-2551
cbluhm@ctrma.org

Quote Information:

Quote #: STS360STS003108

Version: 1
Delivery Date: 02/18/2025
Expiration Date: 03/20/2025

Quote Summary

Description	Amount
DIR-CPO-4770	$160,473.82
Total:	**$160,473.82**

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors. Net 30-Day Payment standard.

STS360

Signature: _____

Name: Chandler Rawlings

Title: Sales Representative

Date: 02/18/2025

Central TX Regional Mobility Authority

Signature: _____

Name: Cory Bluhm Bluhm

Date: _____

STS360 PROPOSED PAYMENT SCHEDULE

CTRMA - Toll Cabinets	BILLING PHASE			
MILESTONE	**Invoice 1**	**Invoice 2**	**Final Invoice**	**TOTAL**
1. Hardware	$ 68,167.57			$ 68,167.57
2. Per Roadway Completion		$ 83,075.63		$ 83,075.63
3. Final Sign Off and Completion (10%)			$ 9,230.62	$ 9,230.62
Totals Per Billing Phase	$ 68,167.57	$ 83,075.63	$ 9,230.62	**$ 160,473.82**

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

SERVICE LEVEL AGREEMENT

STS360 has provided a 1-year full hardware and labor onsite warranty for all STS360 supplied and installed components. STS360 warranties and guarantees all products, material, labor and work done for the Customer on this project. All new hardware and installation will be covered under the 1-year onsite warranty. All warranty replacement, installation, integration, maintenance, and required testing will be provided at no cost to The Customer within this 1-year period. STS360 is offering a 24/7 toll free service support line, 4-hour engineer on phone response and 48 hour onsite response.

I. SUMMARY

MISSION STATEMENT

STS360, or CONTRACTOR, will provide the Customer, hereby and here on referenced to as the OWNER, the establishment of procedures in which to successfully fulfill Surveillance and Security Systems maintenance services via improvement of existing support processes, scheduling of implementations, and expedient fulfillment.

SERVICES OVERVIEW

STS360 will provide a comprehensive 1-Year Onsite hardware and labor warranty in conjunction with this project. STS360 warranties and guarantees all products, material, labor, and work done for the Customer under this project. All warranty replacement, installation, integration, maintenance, and required testing will be provided within this 1-Year period unless outside of the terms specified below. STS360 is offering a 24/7 technical support toll free number for service. STS360 guarantees a 2-hour engineer on phone response for phone troubleshooting and a 48-hour onsite response for all warranty service or per the terms of the contract. STS360 has included dedicated service technicians for this project as part of this proposal. This will greatly reduce the response and service times. STS360 will stock spares (see scope for list).

DESCRIPTION OF SERVICES

Beginning upon final acceptance of project, STS360 will provide to OWNER the following services (collectively, the "Services"):

1. STS360 will provide 1-Year onsite labor warranty on all provided hardware and labor and integration services are warranted through STS360 from the date of final acceptance. It will not include the cost of parts and labor for OWNER not adhering to the standard terms or outside of specified terms and conditions of this contract. Parts installed by STS360 will be serviced according to their existing manufacturer's warranty; components not provided or installed by STS360 and outside the terms of Manufacturer warranty and subject to Purchase Order. Service calls will be billed when these incidents are approved by both parties. (this only refers to the need for new components not originally procured or installed by STS as apart of the original scope/project to fix an issue)
The proposed and accepted response terms of this warranty contract are:

LEVEL 1 SUPPORT:

- A Toll-free number to reach a live Technical Service Representative 24x7x365.
- A Return call from on-call Systems Engineer / Technician within 4 Hours for remote or phone support.

LEVEL 2 SUPPORT:

- Additional Troubleshooting is needed; technician is dispatched onsite within 48 hours to resolve the problem.
- Optimization, Maintenance and Quality Checks performed when techs are onsite

LEVEL 3 SUPPORT:

- Problem is understood and diagnosed, equipment / materials needed to repair / resolve the issue on hand, technician is dispatched onsite within 48 hours from level 2 dispatch
- All Level 3 services to be 100% closed and resolved within a maximum of 72 hours (does not apply to Force Majeure incidents or when manufacturer lead times are delayed).
- Optimization, Maintenance and Quality Checks performed when techs are onsite

2. All hardware, software, material and other warranties past this 1-Year contract term, and not renewed in an additional warranty contract year through STS360, will be the sole responsibility of the OWNER to contact the manufacturer directly to obtain replacement, repair or technical support.

ACCESS TO DATA AND COMPUTERS

On request, OWNER agrees to provide Contractor with evidence of a programming error, if the Contractor is unable to replicate the issues reported in a work order. Recipient further agrees to provide Contractor with access to OWNER computers, servers, networks, view stations, cameras and sufficient computer time to enable Contractor to duplicate the problem, determine that it results from a warrantable cause and, after corrective action or replacement has taken place, and determine that the problem has been alleviated. STS360 also requires that OWNER allow access to stored data, upon notification, and the ability to remove data that is causing conflicts and/or inhibiting the ability to repair system to its full functionality.

MODIFICATIONS EXCLUDED

Contractor shall not be obligated to provide support services pursuant to this Contract with respect to any modifications of the Software, configurations of the systems, new applications, additional hardware outside of scope, operating systems, and other adjustments made for any reason during the service contract by OWNER or to any computer program incorporating all or any part of this system.

COSTS AND EXPENSES

If terms in this contract for warranty / maintenance and services are determined to not be met by owner, when technician is on site, all work on the service will be put on hold until a purchase order is issued for the work needed to be performed to correct the issue. Parts and service labor will be covered by STS360 for any failure that is proven to be a failure in material or workmanship under normal use during the applicable warranty period. This coverage is limited to parts and labor. The warranty for replacement parts is limited to direct replacement. STS will not bill for a service call within the term of this SLA.

TERM PERIOD

This Contract will remain in effect for a period of (12) Months or (1)-Years from the date of final acceptance. This SLA can be extended year to year or multiple years after the 1 year term is up.
SLA renewal quotes will be generated before the expiration of of current term.

CONFIDENTIALITY

STS, and its employees, agents, or representatives will not at any time or in any manner, either directly or indirectly, use for the personal benefit of STS, or divulge, disclose, or communicate in any manner, any information that is proprietary to Owner. STS360 and its employees, agents, and representatives will protect such information and treat it as strictly confidential. This provision will continue to be effective after the termination of this Contract.

GENERAL WARRANTY

STS360 shall provide its services and meet its obligations under this Contract in a timely and workmanlike manner, using knowledge and recommendations for performing the services which meet generally acceptable standards in STS's community and region, and will provide a standard of care equal to, or superior to, care provided by Contractors similar to STS360 on similar projects. Contractor shall not be liable for any delay in performance directly or indirectly resulting from acts of Owner, its agents, employees, or subcontractors.

HARDWARE SUPPORT STS360 warrants to the original purchaser (PURCHASER) that each product of its manufacture (PRODUCT) is covered by this warranty from the date of delivery if properly installed, serviced, and operated under normal conditions. Any part or parts there of replaced during the base warranty period assumes the remainder of that warranty period or the parts warranty period, whichever is greater. The warranty coverage for the PRODUCT is continual from the original date of purchase and does not restart upon the replacement of any part or complete unit. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA. Parts and service labor will be covered by STS360 for any failure that is under normal use during the applicable warranty period. This coverage is limited to parts and labor. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA.
The warranty for replacement parts is limited to direct replacement.

STS360 reserves the right to repair or replace any part, component, or assembly at its option. STS360 may request defective parts be returned for examination before the issuance of credit. Any item that is replaced under warranty becomes property of STS360. ***PROCESS FLOW*** OWNER experiences issue with Security Equipment. (While all this information is not mandatory, STS will need details in regard to the issue in order to rectify the issue. STS will have all system documentation, STS will just need general information of the issue)

1. OWNER submits a request to STS360 24/7 TSG (technical support group) describing the following:
   - **a.** OWNER / Department / Site Name
   - **b.** Point of Contact (OWNER PoC) Information and Title
   - **c.** Pertinent Information relating to service request
   - **d.** If available, Device IP Number / Camera Number / Reader Number
   - **e.** Device Location
   - **f.** Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules site visit with provided PoC.
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist and schedules visit.
4. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
5. STS360 Security Specialist evaluates location, troubleshoots issue.
   - **a. Troubleshooting fixes Issue** – STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   - **b. Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component.
     - **i. IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
     - **ii. IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
     - **iii. IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
       a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (see Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (see Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist to return and resolve issue.
9. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.
11. STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket status, notes, and uploads final acceptance sign-off document.

12. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.

SOFTWARE SUPPORT

STS will need general information of the issue.

PROCESS FLOW

OWNER experiences issue with Security Software.

1. OWNER submits a request to STS360 TSG (technical support group) describing the following:
   g. OWNER / Department / Site Name
   h. Point of Contact (OWNER PoC) Information and Title
   i. Pertinent Information relating to service request
   j. If available, Device IP Number / Camera Number
   k. Device Location
   l. Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules Security Specialist/Engineer Remote-In/Onsite Session with provided PoC (SEE Statement of Work/Access to Data and Computer).
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist/Engineer and schedules Remote-In/Onsite Session internally.
4. STS360 Security Specialist/Engineer calls OWNER PoC to inform of Remote-In/Onsite Session.
5. STS360 Security Specialist/Engineer evaluates system status, troubleshoots issue.
   a. **Troubleshooting fixes Issue** – STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   b. **Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component (SEE Asset Management/LifeCycle Maintenance).
      i. **IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
      ii. **IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
      iii. **IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
         a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (SEE Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (SEE Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist/Engineer to return and resolve issue.
9. STS360 Security Specialist/Engineer calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist/Engineer replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.

11. STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket status, notes, and uploads final acceptance sign-off document.
12. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.

III. PARTY COMMUNICATIONS

PLACING A WORK ORDER REQUEST

Call Toll Free: (866) 506-7446

Email: technicalsupport@sts360.com

Our Technical Support Group (TSG) is there for you 24x7x365 and is just a phone call away. A live person will answer immediately, do some basic troubleshooting, and generate a work order while the OWNER is on the phone with TSG representative. If they are unable to assist you to a successful fix of the issue, they will immediately reassign the work order to, and contact the appropriate Level 2 support personnel who will be in contact within 2 hours or less to help resolve the issue, direct you to submit an RMA, and/ or dispatch an on-site technician. STS360 requests the party submitting the work order have some of the following information ready when calling the TSG, because the more information provided, the better we can assist in resolving the issue more expeditiously.

STS360 will request the following information in order to expedite service.

- OWNER / Site Name
- Your Contact Information and Title
- Sales Invoice / Work Order / Or Purchase Order Number (if available)
- Pertinent Information relating to your service request
- Device IP Number / Camera Number
- Device Location
- Description of issue / concern

OWNER POINT OF CONTACT

1. OWNER agrees to provide STS360 a Project Manager as the Primary Point of Contact
2. OWNER's Primary POC will be responsible for resolving financial or business issues outstanding and assist in facilitating final acceptances.
3. OWNER agrees to provide all STS360 necessary system documentation for access to existing systems
4. OWNER agrees to provide logins or access to any Ticketing or ERP system used by the OWNER at no charge to STS360.
5. OWNER agrees to provide assistance in coordination of departmental resources necessary for successful fulfillment.

IV. ASSUMPTIONS AND EXCEPTIONS

Services or Work Product will be deemed acceptable to OWNER if it conforms in all material respects with Services described in this project or Bill of Materials. STS360 will have full responsibility for the deliverables and the tasks listed in each project or Bill of Materials.

OWNER will complete a review of each submitted deliverable within five workdays from the date of delivery. OWNER feedback which indicates revisions to a deliverable are required will be addressed and re-submitted by STS360 within five workdays unless approval (in writing) for a different length of time is obtained from the OWNER or designate.

OWNER will either accept or reject STS360's Services or Work Product within a reasonable number of days from performance. For this Project, Services or Work Product will be accepted or rejected within 5 days from delivery completion date. Failure to provide acceptance or rejection within 5 days will be considered acceptance of the deliverable. If OWNER gives notice of rejection, then STS360 will have an additional five days, within which to cure any deficiencies identified in writing by OWNER.

STS360 reserves the right to accept or reject OWNER requested tasks that may result in STS360's incurring of legal liability beyond the scope of STS360's offered Services. STS360 is required to respond with reason for objection and propose an alternative solution when available.

V. CHANGE REQUESTS

CHANGE REQUEST PROCESS

STS360 works very efficiently to provide quality estimates from the start of an evaluation. However, if an agreed upon Scope of Work has a mutually agreed change or addition to agreed SOW, STS360 will propose a resolution in the form of a Change Order that, if verified, accepted and signed by OWNER, will be prioritized in schedule and performed by STS360.

Next Page – See a Change Order Form Sample

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

CHANGE ORDER FORM SAMPLE

OWNER NAME:
OWNER ADDRESS:
PROJECT #:
PROJECT NAME:
PROJECT LOCATION:

STS360 PROJECT MANAGER:
OWNER APPROVER:

DATE CHANGE ORDER SUBMITTED:
CHANGE ORDER REFERENCE NUMBER:

STS360 submits this change order for the above referenced project. This change order is deemed (billable / non billable / price decrease) to the OWNER of this project. This change order is subject to the terms and conditions of the original contract. This change will not in any way impact the original scope outside of the indicated changes below. This change order will not impact warranty, and will be included in final project warranty if accepted. The purpose of this change order request is to agree that changes to the scope are requested and to seek approval by the OWNER of this project. A Purchase Order or signed agreement at the bottom of this page will be required to fulfill this change order for the above referenced project. See attached revised Scope of Work and Pricing Revision (if billable / price decrease.)

Change Item	Change Description	Product Description	Part Number	Qty
1				
2				
3				

Above is Sample, please revise as per the scope of each change order (add or delete change items as needed as well. Any scope, warranty and/or price changes must be included in detail in appendixes to be attached and identified above. Please customize each section as needed. Please delete these notes before submitting)

OWNER: _____ CONTRACTOR: STS360 _____

Approved by: _____ Approval Received by: _____

Date of Approval: _____ Date Received: _____

Name: _____ Name: _____

Title: _____ Title: _____

Department: _____ Department: _____

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

TERMS AND CONDITIONS

STS360 complies with the related Terms and Conditions put forth on the Texas Department of Information Resources website. For services rendered by STS360, compliance under this Statement of Work is met by current DIR or Buyboard Contract being utilized or its successive renewal by STS360 with the State of Texas Department of Information Resources.

STANDARD MAINTENANCE AND SERVICE TERMS AND CONDITIONS

1. This is a warranty and not an insurance policy. This warranty does not take the place of the client's general liability insurance.
2. All warranties exclude remedy for damage or defect caused by abuse, tampering, vandalism, improper or insufficient maintenance, improper operation.
3. The client is responsible for any damage to any improvement, fixture or property not constructed, installed or included in maintenance contract scope by STS360 that may cause the need for repair to the STS360 installed equipment, materials, hardware, etc. (e.g. – damaged ceiling is leaking onto network equipment, STS360 should not be liable to fix the ceiling leak as well as the STS360 equipment).
4. The client will be required prior to repair of unwarranted issue to hold STS360 free of any liability from the cause of the original problem
5. Warranty does not include drainage deficiencies at the job location / location of equipment / material (e.g. – drainage is damaged on facility and run-off of rain water overwhelms drainage and therefore begins draining directly on our equipment where there'd been no point of drainage prior during project installation).
6. Warranty does not include any landscaping issues that cause loss of effectiveness of security after project acceptance (e.g. – Client decides to forego cutting back trees or plants new trees or bushes that grow in front of camera placements, diminishing intended Field of View)
7. Warranty does not include any defects or deficiency caused by materials, design, construction, or work supplied by other than the STS360 outside of the contract scope
8. Warranty does not include changes, alterations or additions made to the installation by anyone other than those performed under obligations of this warranty;
9. Warranty does not include deficiency or defects caused or made worse by the Client's, employees, patrons, or any other party than STS360 during the service contract.
10. Warranty does not cover any deficiencies or defects in workmanship, materials or structural portions normally covered by another warranty or insurance policy whether or not paid by such warranty or insurance policy (e.g. – Client employee repairs something in the electrical room, and because of poor workmanship causes pipes to burst damaging significant portions of our system and the facility / structure and owners insurance doesn't cover it, STS360 should not be liable for the cost to cover damaged equipment caused by workmanship or structural problems on the facilities)
11. Warranty does not cover deficiency or defects resulting from accidents, riot, civil commotion, terror attacks, war, or Acts of God; including but not limited to fire, explosion, smoke, water escape, windstorm, mudslide, erosion, hail, lightning, hurricanes, tsunamis, falling trees, aircraft, vehicles, flood, earthquakes, sink holes, underground springs, volcanic eruptions, saturated soils or change in the level of the under-ground water table.
12. Warranty does not cover any contamination caused or created by natural or man-made chemicals, compounds, or substances used by the client or breakdown or adverse effects of chemicals, compounds, or substances used.

13. Warranty does not cover pest damage including but not limited to termites, rodents, cockroaches and ants
14. Warranty does not cover any damage caused by water intrusion, including but not limited to roof leaks, window sealants, plumbing
15. Warranty does not cover heat damage, damage caused from dust build up, dampness or condensation due to clients' failure to maintain adequate ventilation.
16. Warranty does not cover any loss, damages or other condition which is not a deficiency or defect of the systems functionality.
17. Warranty does not cover consequential damage: Any property damage or bodily injury which follows as a result of structural damage, or other defects covered under this warranty including defects in workmanship that was not originally installed by STS360 (e.g. – something occurs in relation to structural or poor workmanship from the client or other contractor, causing our equipment to malfunction and cause bodily or property damage, such as a camera coming loose and falling on a person or property.)
18. Warranty does not cover any loss or physically inflicted damage which is not a construction deficiency or defect, including but not limited to chips, scratches, and dents in materials, fixtures, appliances, or other types of equipment
19. Warranty does not cover failure by the client to give notice to the Contractor regarding deficiencies or defects within a reasonable time or as specified in the clients' warranty contract;
20. Warranty does not cover negligence and/or improper maintenance, or improper operation of items warranted under this warranty
21. Warranty does not cover failure of the clients or any client or third-party representative to comply with the warranty requirements of manufacturers of hardware, software, equipment, materials, or fixtures
22. Warranty does not cover any loss or damage which the client(s) have not taken reasonable timely actions to minimize;
23. Warranty does not cover any dispute received by Contractor later than 30 days after the applicable Warranty Expiration Date for claimed items of deficiency or defect;
24. Warranty does not cover any alleged deficiency or defect for which there is no evidence of deficiency or defects at the time of the claims investigation; or which has been repaired prior to a claim
25. Warranty does not cover any condition which does not result in actual physical or functional damage to the warranted equipment, materials, hardware, software, materials or fixtures.
26. Billable costs may occur if STS360 Technicians are denied entry to facility and/or when appointments are not cancelled within 24 hours of arrival. Should it be no fault of the client in the event of an unforeseen circumstance (act of God, serious incident / crime, or other unforeseen circumstance), and STS360 will excuse the charge but requests to be contacted as soon as possible to cancel the appointment.
27. STS360 cannot be held liable for unresponsiveness to work orders that are not reported and/or escalated through the proper chain of communication by OWNER in this warranty agreement.

HID Mobile BLE is an app-based solution that uses Bluetooth Low Energy to transmit secure credentials to the reader.

The end customer submits contact info to set up an HID Origo web portal using the link below. They will get an email that gives them an ORG ID and MOBKEY. This is what is needed to order credentials. The MOBKEY should be loaded into a mobile-capable reader. This can be done before an order to come preloaded, or after receipt.

- Here is a YouTube video that shows the process to Onboard and have a technician put the end user's mobile key onto a Mobile Reader: https://www.youtube.com/watch?v=cLVjAGt7a2s
- All Signo have the functionality innately and SE readers could have been ordered that way or may have the potential of an upgrade using an upgrade kit – we can work together to confirm that potential).

https://portal.origo.hidglobal.com/selfonboarding/

After registering you will get the EUORG ID and MOBKEY required for ordering mobile credentials

Customers order subscription-based "seat" licenses in 1 or 3-year plans. Customers can add additional licenses at a prorated cost within that subscription period. This is available for a customer with a rollout plan that is not immediate for all users. We can help with the specifics of the cost for add-ons if they advance in that fashion.

- MOQ for any plan or add-on is 20. You can do anything 20 and above, but it must reach 20.
- When ordering you will give part detail as well as End User Name, ORG ID and MOBKEY (established in onboarding) and a format that you will be using for the licenses
    - The format must be a tracked format that allows for Next Number Up issuance. We can make a 26-bit H10301 a TRK-H10301 tracked license. Every future order would need the ORG ID and TRK-H10301 number.
    - There is no charge currently for CORP 1000 on mobile license orders
- It is good to understand that a mobile credential and a physical credential will register as the same user if the format information is the same.
    - The issuance and revocation features of the Origo portal allow a user to churn through as many credentials as are needed as long as they do not go past the licenses available – each re-issuance will grab a new number in the "pot" of credentials.

Subscription Licenses:

Item Number	Description	Min Order Qty
MID-SUB-T100	**1-YEAR** USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	**3-YEAR** USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Add-Ons (only used if the customer is adding additional licenses in the above subscription periods):

Item Number	Description	Min Order Qty
MID-SUB-T100-ADD	ADD-ON USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	3-YEAR USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Many of our OEM head-end partners do have integrations into HID Origo. These integrations may make it possible to issue and revoke credentials from the head-end software. The hooks into HID Origo may make it not necessary to manage out of the portal. This would help to not have to manage the two systems in what we call a swivel chair approach. Swivel chair approach = issuing a credential, swiveling over to the access software, entering the user, and the opposite if you are removing a user. The Head End OEM Partner owns this integration, the set-up procedures and functionality as well as the detail of pricing or inclusion in versions of their software.

Extra info:
Short Video Tutorial of the portal:
https://www.youtube.com/watch?v=Zslg66u5qM0&list=PLaI1sYdMpc6qrAwlJHGd1xql3eWv0wnbf&index=10

HID Video Showing mobile and Twist and Go for longer range access:
https://youtu.be/ztkngP5jfjI

HID Mobile Access -Getting Started
https://www.youtube.com/watch?v=F906cOELCwg

HID Mobile Access FAQ
https://doc.origo.hidglobal.com/faq/portal/HID_Mobile_Access_FAQ.pdf

Demo of Reader Manager and how it is used:
https://www.youtube.com/watch?v=bQsQqqvqDPU&feature=youtu.be

PHYSICAL ACCESS SOLUTIONS

multiCLASS SE® Readers

multiCLASS SE readers include Open Supervised Device Protocol (OSDP), a new Security Industry Association (SIA) standard that together with Secure Channel Protocol (SCP) provides secure communications and central management.

HIGHLY ADAPTABLE AND SECURE HIGH FREQUENCY ACCESS CONTROL SOLUTION

- **Powerfully Secure** – Provides layered security beyond the card media for added protection to identity data using SIOs.
- **Adaptable** – Interoperable with a growing range of technologies and form factors including mobile devices utilizing Seos™.
- **Interoperable** – Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.
- **Streamlined Migration** – Simultaneous support for 125 kHz HID Prox®, AWID and EM4102 for seamless migration; field programmable for secure upgrades and extended lifecycle.

HID Global's iCLASS SE® platform goes beyond the traditional smart card model to offer a secure, standards-based and flexible platform that has become the new benchmark for highly adaptable, interoperable and secure access control solutions.

multiCLASS SE® readers simplify migration from legacy technologies with support 125 kHz for HID Prox, Indala, AWID and EM4102, and provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent readers also support iCLASS® Seos™ and iCLASS SE credential platforms, as well as standard iCLASS, MIFARE and MIFARE DESFire EV1 with custom data models and other leading technologies.

Additionally, multiCLASS SE readers support mobile devices utilizing Seos, enabling a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

As part of HID Global's iCLASS SE platform that is based on the Secure Identity Object™ (SIO®) data model and Trusted Identity Platform® (TIP™), the powerfully secure multiCLASS SE readers offer advanced features such as layered security beyond the card media and tamper-proof protection of keys/cryptographic operations using EAL5+ secure element hardware.

POWERFULLY SECURE:
- Multi-Layered Security – Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- EAL5+ Certified Secure Element Hardware – Provides tamper-proof protection of keys/cryptographic operations.
- SIO Data Binding – Inhibits data cloning by binding an object to a specific credential.
- Secured communications using OSDP with Secure Channel Protocol.

HIGHLY ADAPTABLE:
- Mobile device support using card emulation – Enables HID access control.
- SIO Portability – Provides technology independence and portability to other smart card technologies.
- Upgradeable Hardware Connection – Allows all Wiegand-based communication readers to expand communication capabilities to OSDP, Hi-O and other bidirectional protocols.
- Field Programmable Readers – Provides secure upgrades for migration and extended lifecycle.
- Customization and management from a central location – Enables organization to make changes and manage all attached OSDP readers over RS485 wiring.
- Simultaneous support for 125kHz HID Prox, AWID and EM4102.
- Allows for support of future technologies.

SUSTAINABILITY AND MANAGEMENT:
- Intelligent Power Management (IPM) – Reduces reader power consumption by as much as 75% compared to standard operating mode.
- Recycled Content – Contributes toward building LEED credits.

INTEROPERABLE:
- SIO Media Mapping – Simplifies deployment of third-party objects to multiple types of credentials.
- Industry standard communications using OSDP.
- Custom programming support to read custom data models on MIFARE and MIFARE DESFire EV1 credentials.

SPECIFICATIONS

	RP10	RP15	RP40	RPK40
Base Part Number	900P 900L	910P 910L	920P 920L	921P 921L
Typical Read Range[1]	**13.56 MHz Single Technology ID-1 Cards – SIO Model Data**			
	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2: 1.2" (3 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2 1.2" (3 cm)	iCLASS Seos: 1.2" (3 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.7" (12 cm) MIFARE DESFire EV1/EV2: 2.0" (5 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.3" (11 cm) MIFARE DESFire EV1/EV2 1.6" (4 cm)
	13.56 MHz Single Technology Tags/Fobs[5] – SIO Data Model			
	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 2.4" (6 cm) MIFARE Classic: 2.0" (5 cm)	iCLASS: 2.8" (7 cm) MIFARE Classic: 1.6" (4 cm)
	125 kHz Single Technology ID-1 Cards			
	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 3.1" (8 cm)
	125 KHz Single Technology Tags/Fobs			
	HID Prox: 1.6" (4 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 1.6" (4 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.4" (6 cm)
Mounting	Ideally suited for mullion-mounted door installations or any flat surface		Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Mounting Spacer	To be used when mounting on metallic surfaces, refer to How To Order Guide for part numbers			
Color	Black			
Keypad	No			Yes (4x3)
Dimensions	1.9" x 4.1" x 0.9" 4.8 cm x 10.3 cm x 2.3 cm	1.9" x 6.0" x 0.9" 4.8 cm x 15.3 cm x 2.3 cm	3.3" x 4.8" x 1.0" 8.4 cm x 12.2 cm x 2.4 cm	3.3" x 4.8" x 1.1" 8.5 cm x 12.2 cm x 2.8 cm
Product Weight (Pigtail)	4.0oz (114g)	5.2oz (149g)	7.8oz (222g)	9.1oz (258g)
Product Weight (Terminal Strip)	3.0oz (85g)	4.3oz (124g)	7.6oz (216g)	8.0oz (228g)
Operating Voltage Range	5-16 VDC, Linear supply recommended			
Current Draw - Standard Power Mode[2] (mA)	75	75	85	95
Current Draw - Intelligent Power Management (IPM) Mode[2] (mA)	40	40	50	70
Peak Current Draw - Standard Power or IPM Mode[2] (mA)	200	200	200	200
NSC[3] Power Consumption - Standard Power Mode (W @ 16VDC)	1.2	1.2	1.4	1.5
NSC[3] Power Consumption - w/ IPM (W @ 16VDC)	0.6	0.6	0.8	1.1
Operating Temperature	-31º to 150º F (-35º to 65º C)			
Storage Temperature	-67º to 185º F (-55º to 85º C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Environmental Rating	Indoor/Outdoor IP55; IP65 if installed with optional gasket (IP65GSKT)			
Transmit Frequency	13.56 MHz & 125 kHz			
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO®) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic (On by Default) - standard iCLASS Access Control Application (order with Standard interpreter) -ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN - MIFARE Classic and MIFARE DESFire EV1 custom data models - FeliCa™[4] CSN, CEPAS[4] CSN or CAN - MIFARE DESFire EV2 via EV1 backward compatibility			
125 kHz Card Compatibility	HID Prox[4], AWID[4], Indala, EM4102[4]			
Communications	Optional OSDP with SCP over RS485[4] Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use Shielded cable for best results			
Panel Connection	Pigtail or Terminal Strip			
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea)[4], NCC (Taiwan)[4], iDA (Singapore)[4], RoHS			
Cryto Processor Hardware Common Criteria Rating	EAL5+			
Patents	US7180403, US7439862, US7124943, US5952935, US6058481, US6337619			
Housing Material	UL94 Polycarbonate			
Manufactured with % of recycled content (Pigtail)	10.5%	11.0%	10.5%	10.9%
Manufactured with % of recycled content (Terminal Strip)	10.5%	11.0%	11.0%	12.3%
UL Ref Number	RP10E	RP15E	RP40E	RPK40E
Warranty	Limited Lifetime			

[1] *Read range listed is statistical mean rounded to nearest whole centimeter. HID Global testing occurs in open air. Some environmental conditions, including metallic mounting surface, can significantly degrade read range and performance; plastic or ferrite spacers are recommended to improve performance on metallic mounting surfaces.*

[2] *Measured in accordance with UL294 standards; See Installation Guide for Details.*

[3] *NSC = Normal Standby Current; See Installation Guide for Details.*

[4] *Not available on 9xxL part numbers.*

[5] *Supported Tags/Fobs - iCLASS, and MIFARE Classic*

hidglobal.com

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Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

2019-12-17-hid-multiclass-se-readers-ds-en PLT-00303

GEMINI™

Overview

The RGM75 Series is a 75W integrated 2U rackmount power system that incorporates system power, lock power and Mercury controllers.

RGM enclosures provide mounting for two Mercury controllers and multiple LifeSafety Power FlexPower® devices in an access control system capable of controlling four doors as a standalone or multiple doors when interconnected. LSP power modules are provided based on RGM model number and Mercury controllers are provided by the integrator based on the job requirements.

Available options include single (12 or 24V DC) or dual voltage operation (12 and 24V DC), power distribution and control, individual output protection by either fuses or class 2 power limiting, buffered lock control, and remote reporting and test. Each LSP output is protected against electrical surges caused by lightning or transients on the external wiring (SurgeShield™) and each LSP control output is individually selectable for available DC voltages, either failsafe or failsecure operation with fire alarm interface.

Optional network reporting capabilities include: operational fault status; power supply output; battery charging voltage; battery charging current; and fire alarm input status. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving or reducing the cost of on-site servicing.

The unit is intended for mounting within a standard four post EIA 19 inch electronics rack with a maximum depth of 36 inches.

MERCURY SECURITY

RGM 75 B - C8 M8 N Z / E

- GEMINI™ RACKMOUNT for MERCURY
- POWER (75 WATTS)
- 12V SECONDARY VOLTAGE
- DISTRIBUTION OUTPUTS
  - C4 - 4 controlled
  - C8 - 8 controlled
  - D8 - 8 auxiliary
  - M8 - 8 managed *Fused*
  - C4P - 4 controlled
  - C8P - 8 controlled
  - D8P - 8 auxiliary
  - M8P - 8 managed *Class II Power limited*
- NETWORK
- WIRE MGMT
- *For 230VAC Input*

c UL us CE RoHS compliant

Rackmount Features

- Integrated access system with lock and system power distribution
- Compartmentalized architecture for maximum reliability
- Rack drawer slide assembly simplifies controller wiring and maintenance
- Comprehensive wire management with tie down points and articulating bracket
- 120 or 230V AC user selectable input supports data center electrical systems

Configuration Options

- Single voltage or 12 and 24VDC dual voltage options cover all access functions
- Power distribution for either direct (D8) buffered (C8) or managed (M8)
- Individual output selection for failsafe, failsecure, lock voltage and fire alarm interface
- High capacity battery charge capability
- Automotive fuses for ease of service and replaceability
- Easy door expansion with multiple Gemini drawers
- Available companion battery housing for rackmount use (part number RBE)

Network Monitoring

- Monitor/alert power supply, battery operation and faults
- Remote test battery run time, low battery and time to service alert
- Monitor/power cycle individual outputs (M8N model)
- Monitor alert external room temperature

Fire Alarm Interface

- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed
- Voltage or Polarity Reversal Activation

Comprehensive fault detection and reporting

- May be connected into access controller or used standalone
- Form C contact transfer for AC Loss or brownout
- Form C contact transfer for abnormal system operation

Agency Listings

- UL, CUL, CE Access Control

Lifetime Warranty

Ordering

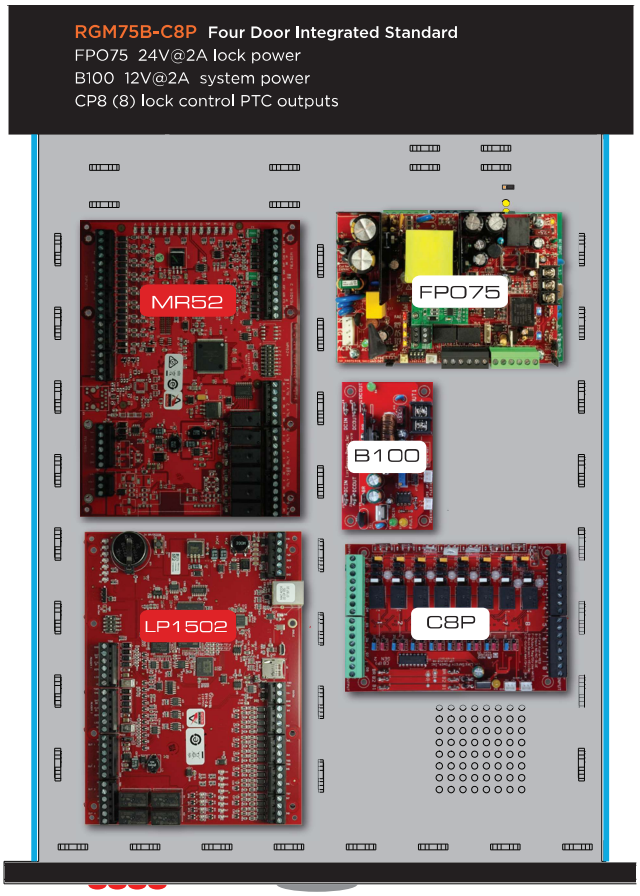
Model No.	Network	Voltage	Current	Internal Distribution: Bulk	Auxiliary	Control	Managed
RGM75-D8PZ		12V or 24V	6A/12V or 3A/24V	2	8		
RGM75-D8PNZ	Yes			2	8		
RGM75-C4PZ				2		4	
RGM75-CPZ				2		8	
RGM75-M8PNZ	Yes			2			8
RGM75B-D8PZ		12V and 24V	2A/12V and 2A/24V	2	8		
RGM75B-C4D8PZ				2	8	4	
RGM75B-C4D8PNZ	Yes			2	8	4	
RGM75B-C8PZ				2		8	
RGM75B-C8D8PZ					8	8	
RGM75B-M8PNZ	Yes			2			8

Single voltage - factory set to 12VDC
Dual voltage - outputs can be individually set for 12V or 24VDC
Networking - monitors power supply, battery set and relay control outputs
For CE 230VAC option, add " / E" suffix to model number, i.e RGM75-D8PZ / E

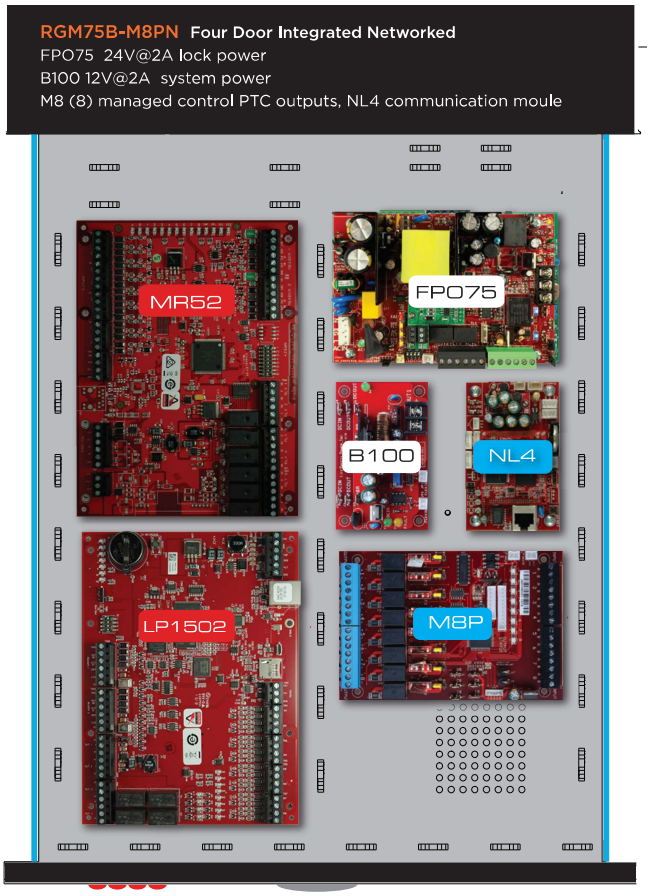
Specifications

Input Power	Input 120/230 VAC 50/60 Hz | 83 Watts Thermal overload protection / Short circuit protection
Output Power	RGM75 75 Watts: 6 amps at 12 VDC or 3 amps at 24 VDC *(factory default setting is 12VDC)* RGM75B 75 Watts: 2 amps at 12 VDC and 2 amps at 24 VDC *(factory set to 24VDC and 12VDC)* *(allows 1A per Mercury board, 0.50A per lock. If Mercury board draws less, lock power is more)*
Internal Power Distribution	D8/D8P eight auxiliary outputs: D8 fused at 3A/ea, D8P Class II Power limited at 2.5A/ea C4/C4P four control outputs: C4 fused at 3A/ea, C4P Class II Power limited at 2.5A/ea M8/M8P eight managed outputs: M8 fused at 3A/ea, M8P Class II Power limited at 2.5A/ea – *Individually selectable outputs on dual voltage systems*
Supervision	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts) System Fault, AC Fault, Ground Fault, Reverse Battery
External Indicators	AC on master on/off switch | Front Panel Mercury Status LEDs
Battery Charging	Maximum charge current 1.0 amp | Maximum battery capacity 40Ah Independent built-in charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Regulatory Compliance	CE, UL294 6th Edition, UL603, UL1076, ULC S318, ULC S319 (can mix and match Mercury and LSP modules togethr in any combination)
Access Panel Mounting	Two slots for LP1502, LP2500, MR52
BTU Rating	RGM75, RGM75B 33BTU/Hr
Physical Dimensions	2U rack mount (19.00"W x 3.50"H x 20.50"D) | Weight 24 lbs. | Z bracket wire management articulating arm

Drawer layout example of 4 door dual voltage



Drawer layout example of 4 door dual voltage managed system



INTERNAL POWER DISTRIBUTION options

D8 - DISTRIBUTED POWER TO Mercury

Eight individually protected power outputs
- *D8P Class 2 power limited at 2.5A per output*
- *D8 Fused at 3A per output*

Visual Indicators
- *DC Presence: Green LED per output*

Removable terminals
- *Accepts #12 to #24 AWG*

C4 - CONTROL OUTPUTS FOR LOCKS

4 access control trip inputs

4 individually protected lock control outputs
- *C4P Class 2 power limited at 2.5A per output*
- *C4 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

M8 - MANAGED OUTPUTS FOR LOCKS & Mercury

8 access control trip inputs
8 individually protected managed control outputs
- *M8P Class 2 power limited at 2.5A per output*
- *M8 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*
- *Activation or deactivation through software*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*
- *AC loss over ride for egress lock control*
- *Trigger points based on voltage or current values to send an alert via email or SNMP*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

FAULT DETECTION AND REPORTING

DETECTED FAULT CONDITIONS (ALL MODELS)

AC Power
- *AC loss, AC low, Master AC power switch*

DC Power and System
- *Abnormal or loss of power supply operation*
- *Over current, over temperature condition*
- *DC output high, low*
- *Battery Presence, Earth Ground (user optional)*
- *Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)*

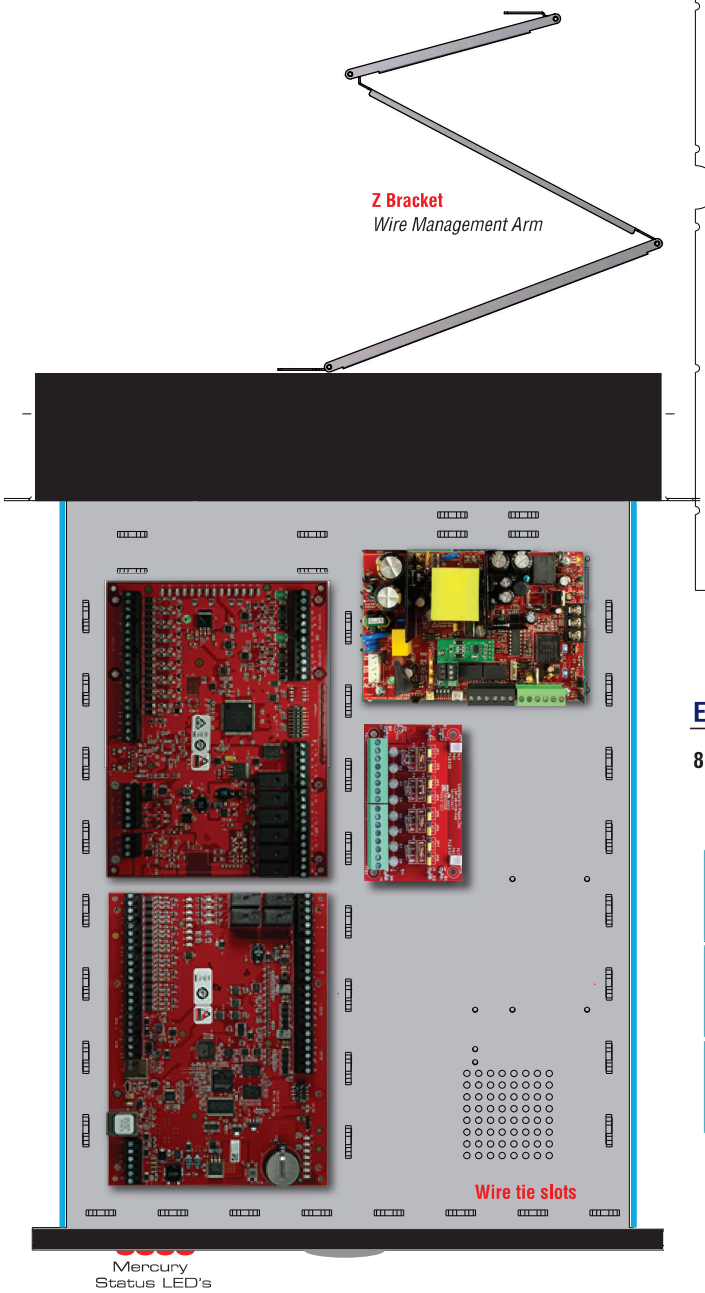
WIRE MANAGEMENT

Wire tie points

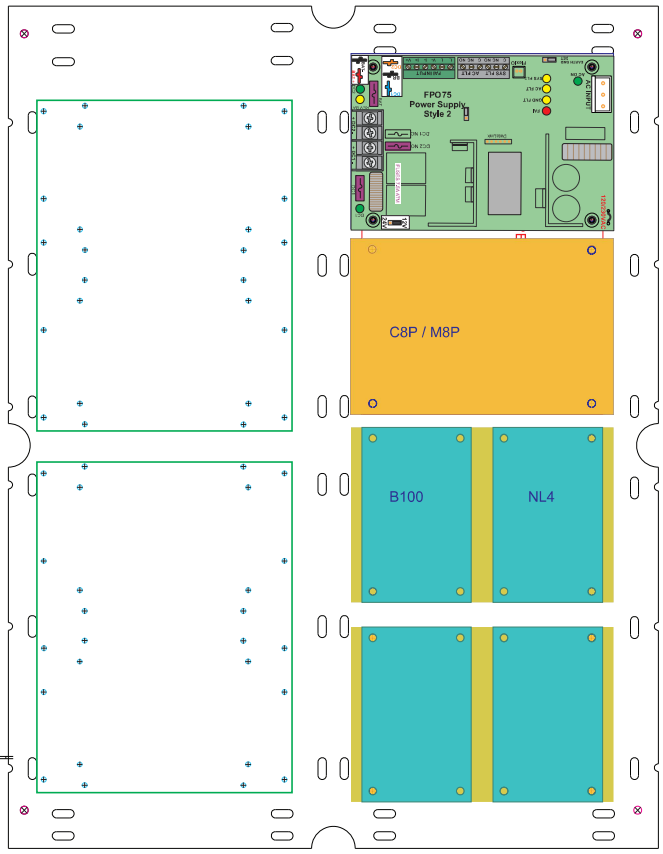
- *Drawer tie down points for access wiring*
- *Back chassis tie down points secures wire bundle*

Articulating arm

- *Z bracket with tie wrap points secures access wiring into drawer*



BACKPLATE CONFIGURATION OPTIONS



EXPANSION | BATTERY BACK-UP

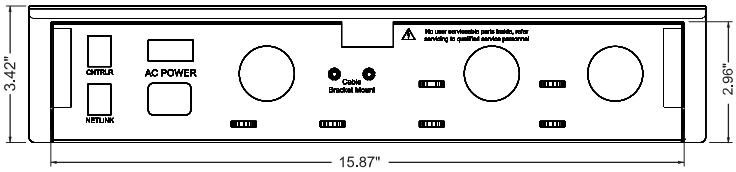
8 Doors

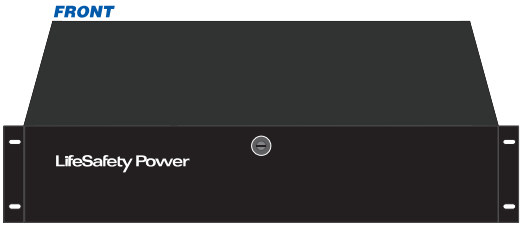
- *Stack multiple Gemini rack mounts for higher door counts*
- *Add RBE battery enclosure for battery back up*

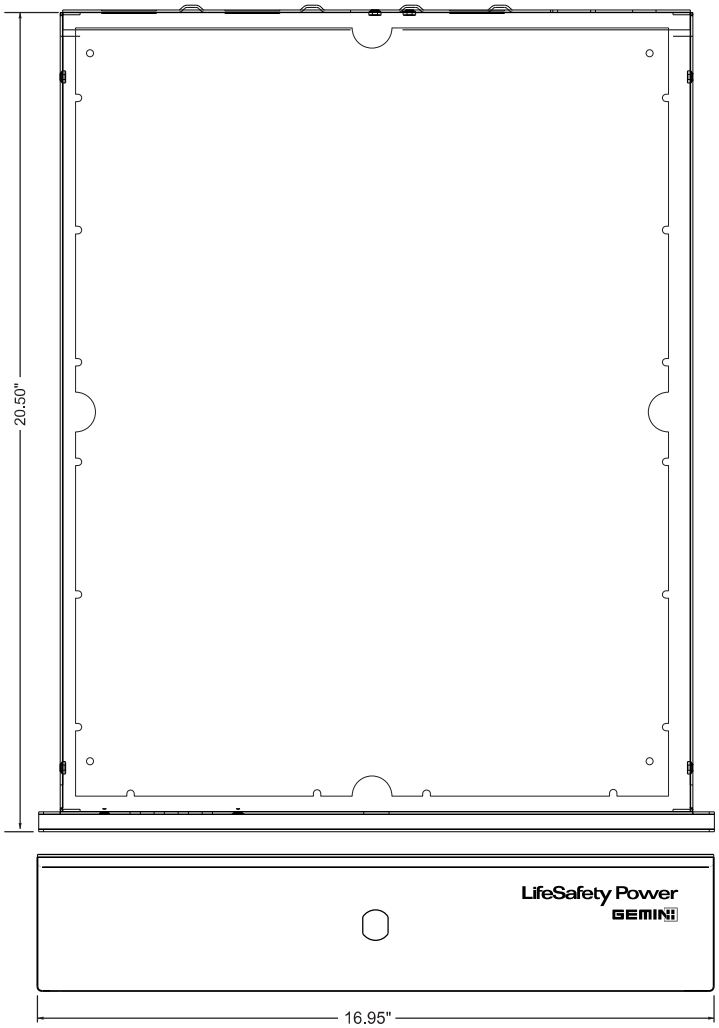
8 Doors w/battery back up

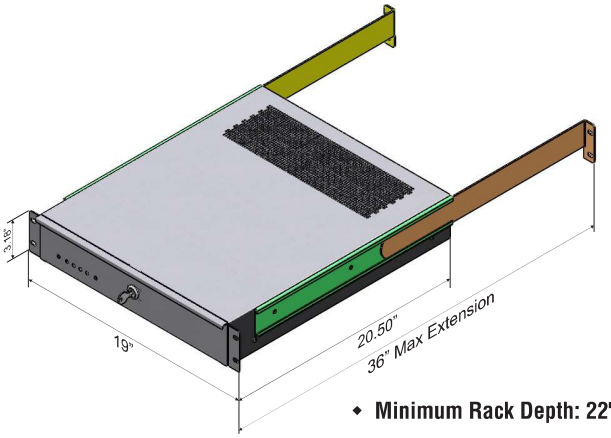
Mechanical

2U rack mount 19.00"W x 3.50"H x 20.50"D
Weight 27 lbs.

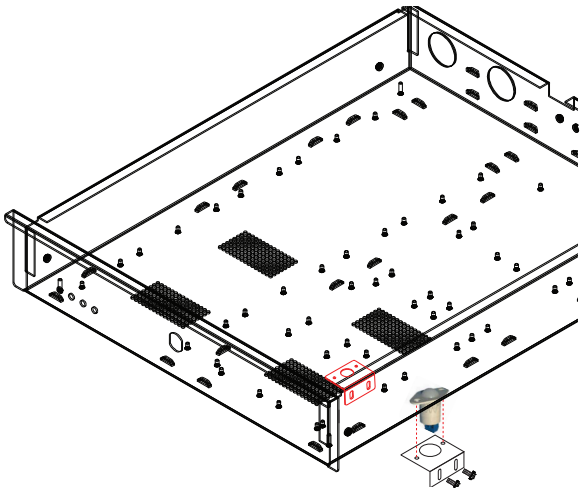








- **Minimum Rack Depth: 22"**



Included Tamper Switch

lifesafetypower.com

(888) 577-2898
info1@lifesafetypower.com

Specifications subject to change without notice.

P01-722A 07/22

LifeSafety Power
10027 S 51st Street, Suite 102
Phoenix, AZ 85044 USA

WV-S32302-F2L1

2MP Indoor Compact Dome Network Camera with AI engine

All-in-one Compact dome camera with AI engine and IR-LED

- 2MP Compact dome camera
- Up to 2 Edge AI analytic apps
- Discreet design
- Wide angle of view (Horizontal 132°)
- Built-in IR-LED (21m/69ft)
- Built-in microphone
- IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant

i-PRO

SPECIFICATIONS

Camera	
Image Sensor	Approx.1/2.8 type CMOS image sensor
Scanning Area	5.57 mm (H) × 3.13 mm (V) {7/32 inches (H) × 1/8 inches (V)}
Minimum Illumination	Color : 0.02 lx (30IRE, F2.1, 1/30s, AGC:11)* 0.03 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0019 lx (50IRE, F2.1, 16/30s, AGC:11)* BW : 0 lx (50IRE, F2.1, 1/30s, AGC:11, IR LED: On) 0.02 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0013 lx (50IRE, F2.1, 16/30s, AGC:11)* *Converted value
White Balance	ATW1/ ATW2/ AWC
Maximum shutter	60 fps/30 fps/15 fps mode: Max.1/10000s to Max.16/30s 50 fps/25 fps/12.5 fps mode: Max.1/10000s to Max.16/25s
Intelligent Auto	On / Off
Super Dynamic	On / Off, The level can be set in the range of 0 to 31. *1
Dynamic Range	144 dB max. (Super Dynamic: On, Level: 31)
Adaptive Black Stretch	The level can be set in the range of 0 to 255.
Back Light Compensation/ High Light Compensation	BLC/ HLC/ Off, The level can be set in the range of 0 to 31. (only when Super Dynamic/ Intelligent Auto: Off)
Fog Compensation	On/ Off, The level can be set in the range of 0 to 8. (only when Intelligent Auto/ Auto contrast adjust: Off)
Maximum Gain (AGC)	The level can be set in the range of 0 to 11.
Color/BW (ICR)	Off/ On(IR Light Off)/ On(IR Light On)/ Auto1(IR Light Off)/ Auto2(IR Light On)/ Auto3(SCC)
IR LED Light	High/ Middle/ Low/ Off Maximum irradiation distance : 21 m {Approx. 69 ft} (30IRE)* , 15 m {Approx. 49 ft} (50IRE) * Converted value
Digital Noise Reduction	The level can be set in the range of 0 to 255.
Video Motion Detection (VMD)	On/ Off, 4 areas available
Scene Change Detection (SCD)	On/ Off, 1 area available
Audio Detection	On/Off
AI Sound Classification	Selectable from Gunshot, Yell, Vehicle horn, Glass break
AI Analytics	AI Video Motion Detection, AI Privacy Guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Non mask Detection (prior to V2.70), AI Occupancy Detection, AI Scene Change Detection For details : https://i-pro.com/products_and_solutions/en/surveillance/products/analytics-software 3rd party applications are also available. https://i-pro.com/products_and_solutions/en/surveillance/solutions/edge-ai-platform/application-list
Privacy Zone	On/ Off, up to 8 zones available
VIQS	On/ Off, up to 8 zones available

Image Rotation	0° (Off)/ 90°/ 180° (Upside-down)/ 270°
Camera Title (OSD)	On/ Off, Up to 40 characters, Up to 2 Lines (alphanumeric characters, marks)

Lens	
Optical zoom	1x
Extra zoom	max 3.0 x (when resolution is 640x360)
Digital (Electronic) zoom	-
Focal length	2.4mm {3/32inches}
Angular Field of View	[16:9 mode] Horizontal: 132° , Vertical: 74° [4:3 mode] Horizontal： 99°, Vertical： 74°
Maximum Aperture Ratio	1 : 2.1
Focus range	0.5 m {19-11/16 inches} ~∞
Aperture range	F2.1

DORI	
Detect (25ppm / 8ppf)	17.1m / 56.1ft
Observe (62.5ppm / 19ppf)	6.8m / 22.4ft
Recognize (125ppm / 38ppf)	3.4m / 11.2ft
Identify (250ppm / 76ppf)	1.7m / 5.6ft

System on Chip (SoC)	
System on Chip (SoC)	Ambarella CV25M

Adjusting Angle	
Adjusting Angle	Horizontal (PAN) angle: -45°to +45° , Vertical (TILT) angle: 0°to +90° Azimuth (YAW) angle: -90°to +90°

Browser GUI	
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser *2	Microsoft Edge, Firefox, Google Chrome

Network	
Network IF	10BASE-T/100BASE-TX, RJ45 connector
Resolution	[16:9 mode(60 fps mode/ 30 fps mode/ 50 fps mode/ 25 fps mode)] 1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode(30 fps mode/ 25 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode/ 12.5 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA *Used by super resolution techniques
H.265/H.264 Transmission Mode / Type *3	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	[GOP(Group of pictures) control] Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced (Fixed GOP 60 seconds with 1 second Key frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control) *Advanced and Frame rate control are only available with H.265. [Smart VIQS] On(High)/On(Low)/Off [Smart P-picture control] On/Off
Audio Compression	G.726 (ADPCM): 32 kbps/16 kbps , G.711: 64 kbps , AAC-LC: 64kbps/96kbps/128kbps *4

Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, LLDP, FTP, SFTP, MQTT IPv4: TCP/IP, UDP/ IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Secure	FIPS 140-2 level 3 (NXP® EdgeLock® SE050F), Device Certificate GlobalSign® pre-installed, HTTPS, User authentication, Digest authentication, Host authentication, IEEE802.1X, System log, Image transmission log, Brute-force protection, Alteration detection, Signed Firmware
SDXC/SDHC/SD Memory Card (Option)	microSDXC memory card: 64 GB,128 GB,256 GB,512 GB microSDHC memory card: 4 GB,8 GB,16 GB,32 GB , microSD memory card: 2 GB
Mobile Terminal Compatibility	iPad / iPhone (iOS 8.0 or later), AndroidTM mobile terminals
ONVIF®Profile	G / M / S / T

Alarm	
Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output

Input/Output	
Monitor Output	-

General	
Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035
Power Source	PoE (IEEE802.3af Compliant)
Power Consumption	PoE DC 48V: 180mA / approx. 8.6W (Class 0 device)
Ambient Operating Temperature	0 °C to +40 °C {32 °F to 104 °F}
Ambient Operating Humidity	10 % to 90 % (no condensation)
Water and Dust Resistance	-
Shock Resistance	IK10 (IEC 62262)
Wind Resistance	-
Dimensions	109 mm (W) x 53 mm (H) x119 mm (D) {4-19/64inches (W) x 2-3/32 inches (H) x 4-11/16 inches (D)}
Mass (approx.)	approx. 455g {1.00 lbs}
Finish	Main body: Aluminum die cast, BLACK / Front panel: PC resin, Clear
Other	Tamper-resistant enclosure *5

NOTES

*1 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
*2 For information on the operation verification of the web browsers, refer to our support website <Control No.: C0132>.
*3 Transmission for 4 streams can be individually set.
*4 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity) .
*5 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver.

Important
– Safety Precautions : Carefully read the Basic Information,Installation Guide and Operating Instructions before using this product.
– i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
– Masses and dimensions are approximate.
– Specifications are subject to change without notice.

OPTIONAL ACCESSORIES

Select a compatible accessory
Accessory Selector (i-pro.com)

WV-QWL500-W
Mount Bracket

WV-QWL500-B
Mount Bracket

WV-QPL500-W
Mount Bracket

WV-QPL500-B
Mount Bracket

WV-QJB502A-W
Mount Bracket

WV-QJB502A-B
Mount Bracket

WV-QJB500-W
Mount Bracket

WV-QJB500-B
Mount Bracket

WV-QCN500-W
Mount Bracket

WV-QCN500-B
Mount Bracket

WV-QCL101-W
Mount Bracket

WV-QCL101-B
Mount Bracket

WV-QAT502-W
Gangbox Adapter

WV-QAT502-G
Gangbox Adapter

WV-SDB256G
i-PRO SD Memory Card

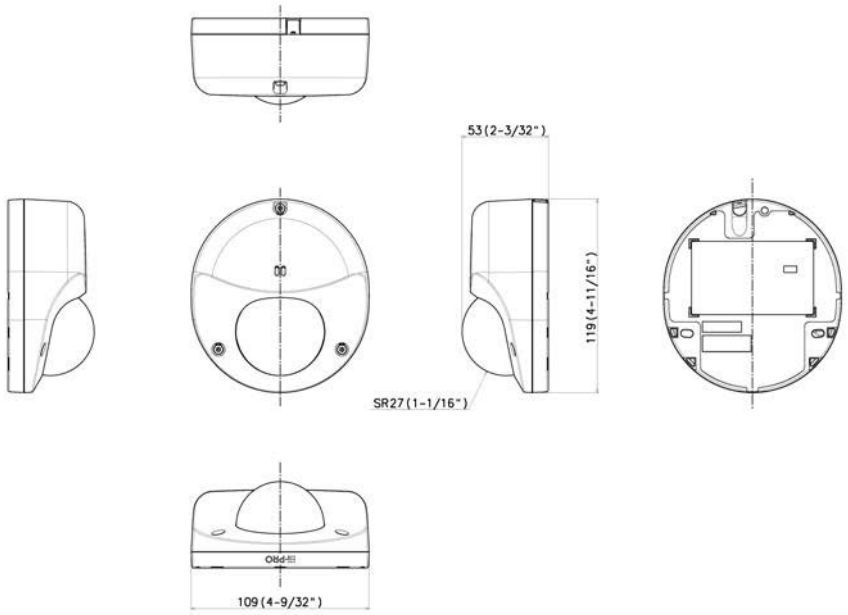
WV-SDB128G
i-PRO SD Memory Card

WV-SDB064G
i-PRO SD Memory Card

WV-SDB032G
i-PRO SD Memory Card

WV-QDC505C
Dome Cover

APPEARANCE



Mass : Approx. 550 g (1.21 lbs)

Unit:mm


WARNING
DO NOT OPERATE SYSTEM WITH
CONFLICT MONITOR DISCONNECTED

Get In Touch

WE ARE HERE TO HELP MAKE
GREAT SECURITY ACCESSIBLE

sts360.com

(972) 392-3635

@sigma-sts-360

info@sts360.com

14229 Proton Rd,
Dallas, TX 75244

Inc5000

DIR-CPO-4770

654-21

1202542335600

B10434601

STS360 SECURITY TECHNOLOGY SOLUTIONS

TURNKEY SECURITY INTEGRATION

ADVANCED END-TO-END SECURITY SOLUTIONS

We have prepared a quote for you

183 Toll - Access Control and Video Surveillance Solution for Toll Cabinets

Quote # STS360STS003109
Version 1

Prepared for:

Central TX Regional Mobility Authority

Cory Bluhm
cbluhm@ctrma.org

FIRM PROFILE

GENERAL COMPANY INFORMATION

Company Name: Sigma Surveillance, Inc. DBA STS360

Principal Place of Business: 14229 Proton Rd, Dallas, Texas, 75244

Main Phone: (972) 392-3635 **Fax Number:** (866) 223-8167

STS360 Contact: Chandler Rawlings

Contact Office Phone: (972) 300-1082 **Contact Cell Phone:** (940) - 366 -5831

Contact Email Address: Chandler@sts360.com **Contact Title: Executive Account Manager**

Secondary STS360 Contact: John Hoffman

Contact Office Phone: (469) 212-6022 **Contact Cell Phone:** (469) 212-6022

Contact Email Address: John@sts360.com **Contact Title: Executive Vice President**

Field Technical Support Center Locations: Dallas, Texas - Carrollton, Texas - Houston, Texas - Austin, Texas - Alice, Texas - Corpus Christi, Texas - Wichita Falls, TX - Fort-Worth, Texas - El Paso, Texas

STS360's PRINCIPALS:

Bobby Khullar, President / CEO **Email:** bobby@sts360.com

John Hoffman, Executive Vice President **Email:** john@sts360.com

Years in Information Technology: 20 **Years in Security Business:** 20

Type of Ownership: Privately held **State of Incorporation:** Texas

Type of Incorporation: S Corporation **Year Founded:** 2005

Number of Employees: 30+ STS360 Employees 100+ subcontractor employees

Vendor ID Number: 20-2542335 **HUB Vendor?** Yes Cert: 1202542335600

Bonding Capacity: $25 million per project / Aggregate $25 million

AUTHORIZED NEGOTIATOR: John Paul Hoffman, Executive Vice President

FIRM PROFILE

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

VENDOR QUALIFICATIONS

STS360 has been designing, installing, and supporting network-based security systems for over fifteen (20) years, and intends to demonstrate to The Central TX Regional Mobility Authority Purchasing representatives that during this time we have garnered significant experience and qualifications that make us an outstanding candidate for consideration of award. STS360 has been installing and supporting large Video Surveillance, Access Control, Intrusion and Audio visual installations for State Agencies, Counties, Cities, Towns, and Schools for years.

STS360 was founded as an IT Systems consultant and integrator in 2000. We found ourselves naturally moving core services to security solutions due our customers' increasing demands for network-based security. Since we were already proficient in networks and IT Systems, the transition was natural and STS360 became a leader in providing IP solutions well before they became commonplace solutions. We tailored innovative security solutions to solve our clients' security needs and provide high ROIs through loss prevention, improved operational oversight, liability mitigation, reduced investigation times and safer, more secure environments.

STS360 is highly qualified and experienced in the services we perform and product lines we offer. STS360 is very careful to approach technology with a few key prejudices. (1) it must be expandable, meaning that the end user should not be limited in their ability to expand their security system in the future should they desire to, whether because of technology limitations or cost limitations; (2) the products must be proven to be of the highest of quality available in the market for that type of product. Our customers deserve a strong solid solution with a long-term lifecycle and support, and we will not promote a product we do not believe will be the best return on investment for our customers At STS360 our experience proves invaluable to the longevity of our partnerships with our clients and supported systems.

STS360 invests in our success by investing in our employees' growth. We certify all STS360 technicians on the various products that we sell and support. STS360's operational procedures also mandate a minimum of 8 hours of training per month for all of our senior and field technicians as a part of their job duties, because there's always room to learn and improve. These monthly trainings can range from manufacturer factory certification training and network certification, to online tests on industry codes & hands-on trainings in our technology lab at STS360 headquarters. STS360 also invests in our subcontractor's education and frequently brings them into our training program to insure they are meeting our high standards.

Considering the sensitive and, unfortunately, critical nature of the service we provide, STS360 has been successful in fostering long-term customer relationships because of our stellar performance and support. We have installed and continue to support tens of thousands of devices for our customers because they trust us to provide the same unparalleled support year after year.

STS360 excels in being flexible, exercising creativity, and providing unwavering attention to detail to customize unique Security Technology Solutions to achieve our clients' diverse needs. We can do this because we have the talent of a large company with the maneuverability and competitiveness of a small one. With a team of technically savvy systems engineers, field service technicians, support staff, account managers and project managers instead of solely technical, contractual and sales expertise, STS360 can honestly say that we truly rise to any challenge a client puts forth to us.

ADDITIONAL QUALIFICATIONS:

HUB CERTIFIED BUSINESS: 1202542335600
NCTRCA, MBE, SBE

As a Certified HUB, we are proactive in HUB outreach and attend/exhibit as such in conferences statewide. We participate in the DIR Conference's HUB Networking Event and build relationships with Minority owned businesses across the State of Texas that are pursuing the

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

status while promoting its benefit to those subcontractors utilized that are not yet certified. We approach every project with a goal of assisting our community.

HIGH BONDING CAPACITY

Lastly, we believe that our strength in our bonding capacity speaks volumes to our qualifications and financial stability. When you work with STS360 you can guarantee that you are working with a solid company who will always be there for you. STS360 has been bonding projects for over 15 years. We have a bonding aggregate capacity of $25million, up to $25million for a single project, and have had active bonds upwards of $25million at any given time. We have successfully completed all the bonded projects and continue to have our bonding capacity increased year after year when Philadelphia Insurance does their yearly audits.

i-PRO PREFERRED PARTNER

STS360 received and maintains the Premier "i-PRO Preferred Partner" designation for outstanding understanding of the product, solutions, and expertise in integration. This prestigious status provides STS360 the ability to offer forensic software and analytics unavailable outside of 15 dealers nationally. Additionally, it provides STS360 with extra resources to improve competitive advantages when proposing i-PRO Solution as well as Operating Inventory Priority.

SAFETY AND COMPLIANCE – SINCE 2005

- OSHA COMPLIANCE – **100%**
- OSHA INVESTIGATIONS - **0**
- Employee Injuries – **0** Since Business Inception
- Subcontractor Injuries – **0** Since Business Inception
- Average MOD Factor – **0.93**

MANAGEMENT STRUCTURE

Bobby Khullar - CEO, President, Owner

Bobby had a successful career in Federal contracts and IT. Seeing the increased need for IP Security Products, Bobby built STS360 from the ground up in 2005. With keen knowledge of IT and government contracts, and the firm dedication of his carefully assembled team, he rapidly grew STS360 by leading with IP technologies in a time when analog technology still dominated the market. For 18 years, STS360 continues to be a leader in the security public sector market with Bobby at its helm.
bobby@sts360.com

John Paul Hoffman – Executive Vice President

John Paul Hoffman, a security industry veteran of 20 years, worked through the ranks to Executive Vice President where he assists in managing STS360 while actively running his sales team. He maintains the Texas Security Integrator market by cultivating relationships among Texas State Agencies, Counties, Cities, Towns, School Districts, and manufacturers. John is well known for his availability and willingness to consult on the industry. Heavily certified in security technology, versed in installation requirements, and customer devoted, his clientele confidently rely on his guidance.
john@sts360.com Cell: (972) 300-1082

Jose Garza – CTO

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Jose Garza has been in the IT sector for over 25 years, working in both Private and Public Sectors. As CTO, he is responsible for maintaining the level of quality of IT Services provided by STS360 as well as ensure STS360 is operating at the latest industry standards. As COO, Jose overseas the Company's Service and Project Teams. Jose Garza is 3-time Cisco Certified Network Professional (CCNP) in routing and switching. Jose Garza is also holds Microsoft, CompTIA, and HP Certifications. He has also worked to provide Cybersecurity Solutions assessments to the Public and Private Sectors.

Jose Avina - Field Operations Manager

Over a decade of experience has Jose Avina managing the physical implementations of STS360 Projects. A Certified Level 3 Alarm and Fire Auditor, Jose joined STS360 to run the company's onsite operations initially with the Safe City Program. Jose has risen to manage several team schedules and he quality controls installations of his team leads and technicians. Setting the bar of standards for field execution of cabling, mounting, and proper field etiquette, his patience, integrity, and respect have earned him a reputation for excellence by end users and employees alike.
avina@sts360.com

Kartavya Mahadevia – Senior Technical Project Manager and Engineer

With over 20 years of experience in Information technology and project management, he has been with STS360 since 2005. Kart is a Microsoft Certified System Engineer and has certifications from various leading security manufacturers. Kart's expertise is in various Video Management, Access Control, Intrusion, Wireless, Server, Storage and Networking System technologies. He is an integral part of System Design to System Deployment and System Support and he manages several teams. Kart has earned many accolades from our customers and will serve as the front man for technical troubleshooting, system configuration, and training.
kart@sts360.com

CERTIFICATIONS

Video Management Systems

Verkada	Video Insight
OnSSI	Exacqvision
Milestone	Salient
Axis	Wisenet WAVE

Access Control Systems

MonitorCast	Continental Access
Open Options	SALTO Systems
Isonas	RS2

Camera Certifications

Panasonic/Arbitrator	Illustra
Axis	Advidia
Hanwha	FLIR

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

Sony	Hikvision
Bosch	Mobotix
Honeywell	Interlogix
Arecont	GeoVision

PROJECT MANAGEMENT

STS360 knows the only way a project will be successful is if all key components come together and are well organized and managed both before and throughout the entirety of the implementation. The key components of a project are Scope, Schedule (time), Budget (cost) and of course, Quality. At STS360 our project managers focus on these key elements and are supported by a solid team of professionals working to exceed expectations.

A project always starts with **Scope**; do the customer and STS360 clearly understand and agree upon the scope of work and products to be installed? This does not simply refer to what is proposed and awarded, this is more granular and begins as soon as the contract is awarded. The STS360 design team will work with the Central TX Regional Mobility Authority stakeholders to tour facilities, refine any unique design needs for each location and environment, and present a final design and scope for each location to the Central TX Regional Mobility Authority Stakeholders. Once the design is agreed upon, the project manager will work with the Executive Stakeholders and the STS360 Project Coordinator to schedule a project kickoff meeting for all involved parties including all CTRMA support team stakeholders, CTRMA IT Department, STS360 project team members, STS360 Executive Oversight, and any subcontractor representatives. Prior to this meeting the STS360 project manager will review pre-project documentation with the Executive Stakeholders, including but not limited to system rights and configuration settings, final drawings & diagrams, phase payment schedules and milestones, and communication plan with assigned roles and responsibilities. Any revisions will be completed prior to the kickoff meeting. We propose the project kickoff meeting be held on site and the installation schedule, security procedures / risk mitigation, and communication plan be addressed. After the formal kickoff meeting, we propose to have each site walked before any equipment is placed or installed to seek approval for any penetrations, equipment placements or special considerations. Also, this allows the local representative whether that be the IT Manager or CTRMA Engineer or whomever the agency assigns, to become familiarized with the scope, schedule and team that will be working with on their territory.

The next key component of course is managing **Budget (Cost)**. STS360 does not believe in going in low and change ordering our customers' after award to gain our profit. What we propose is what you pay. The only time you will see STS360 asking you for a revision to a purchase order is if the customer asks us to add additional components to the scope. If something was missed in our proposal STS360 takes liability for any impact to our profitability that causes. If our costs increase on equipment or labor STS360 takes liability for the impact to our profitability. Return on investment is an important factor that we must consider when designing a project, especially when budgets are tight and recurring fees just add to the overall cost but provide little value over the life of the final product itself. With that in mind, STS360 the products we have chosen are from market leaders in their respective technologies was specifically designed for use in enterprise scenarios with an eye to quality and long-term ROI.

Thirdly we have **Schedule (Time)**. On projects time, can have a way of running away from you if not managed properly, and we know our clients' time and their need to have a functional system as quickly as possible is paramount. As part of our project plan, we have proposed these projects be completed in multiple phases to ensure an expeditious completion to all aspects of the scope of work. We will consider each install a "phase" and while some of these phases may run concurrently as they are able to be managed separately to make best use of resources. We are dedicated to a smoothly run project. To delay each significant milestone, punch lists, 3rd party testing & documentation acceptance until the end of the project when ALL locations are completed, will create a bottleneck at the end of the project and prolong a successful completion. Therefore, we will attend to each installation location as a separate "phase." STS360 will also train local and administrative staff after each facility is installed instead of just waiting until the end. We will also conduct a final training with any parties that need to attend or want to be refreshed, in a central location for a min 4 hours if required.

Lastly but not least you cannot talk about a project plan without discussing **Quality**. Quality control checks and balances must be a

EXPERIENCE, BACKGROUND, AND QUALIFICATIONS

continuous part of a project, not left to the end of a project. Leaving quality control to the end of a project leads to extensive punch lists, delayed documentation completion, throwing off the schedule & most importantly will make the agency question our qualifications. Before any product even reaches the site for installation it will be bench tested in our lab in Dallas to ensure it is functional. It will then be burned in for a period of no less than 24hrs, in a simulation exactly to scope for this project, to ensure the functionality is working correctly. Then all hardware will be pre-configured with IP addresses provided by the agency and labeled by location, IP address and the system documentation started before it ever leaves our facility. Each site will be assigned a job supervisor and enough crew members to complete the job on time or earlier. Senior Technicians and /or Project Manager will be visiting each facility at a minimum of 2 days per week if not more to manage the supervisors progress, do spot quality checks, ensure that the workspaces are being kept clean and safe, and to retrieve documentation. If the senior technician or the project manager find any discrepancies, they are immediate addressed and fixed by the appropriate party. Our Project Coordinator continually does audits on the work product coming from the field, e.g. Is the project team on schedule? What staff is onsite and what did they do that day? Did they show up on time and leave on time? Are there additional materials or equipment needed to be sent out and when does it need to be delivered? Are the system documentation and drawings being updated and added to our secured CRM, so we always have the most up to date information? Is the system documentation correct and formatted clearly? At the end of the project phase and upon our own internal review of quality, STS360 will notify the agency that we are ready for a final system test and punch list walk through assessment with the assigned stakeholder. Any discrepancies found are noted and corrections made immediately. The likelihood of a significant punch list, however, is slim due to our dedication to quality throughout the installation.

To conclude this section, it is important that we note that not only will we comply with the documentation that is requested by the agency, STS360 also provides an extensive amount of data that is searchable and updated throughout the warranty period as equipment is replaced. This includes but is not limited to any serial numbered device showing the following information:

- Part Number
- Description
- Serial Number
- Mac Address
- Ip Address
- Campus / Facility
- Camera Name
- Camera Installation Location
- Camera Mount Type
- Indoor / Outdoor Designation
- Associated IDF / MDF
- Associated Rack
- Associated Patch Panel Ports
- Associated Network Switch Name
- Associated Network Switch Ports
- Associated Power Source (If Applicable)
- Camera Settings
- Live and Recording Settings
- Live Server Path
- Archive Path
- Mfg. Warranty
- And Other Related Settings

14229 Proton Rd
Dallas, Texas 75244
sts360.com
(972) 392-3635

STATEMENT OF WORK - Toll Cabinets

STS360 is pleased to offer the below statement of work for Central TX Regional Mobility Authority

STS360 will be responsible for providing a Turnkey Quote and Build out for Roadway 183 Toll requested Access control and video Surveillance solution for the toll cabinets.

STS360 has proposed a solution including installation, operation and services for the complete system as requested.
STS360 will be responsible for installing, configuring and servicing the following, including but not limited to:

Installing a access control and video surveillance system to each 142

toll cabinets.

Total Roadways and Final Counts:

		1-Door Cabinet		2-Door Cabinet		4 - Door Cabinet		Total	
Roadway	Deployment	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total No. of Cabinets	Total No. of Doors
183A	Tolling	6	6	3	6	2	8	11	20
183A Ph III	Tolling	0	0	0	0	10	40	10	40
183A Ph III	ITS	4	4	11	22	0	0	15	26
183 Toll	Tolling	0	0	13	26	1	4	14	30
290 Toll	Tolling	3	3	1	2	8	32	12	37
290 Toll	ITS	0	0	19	38	0	0	19	38
Mopac	Tolling	0	0	1	2	4	16	5	18
Mopac	ITS	0	0	4	8	0	0	4	8
SH 71	Tolling	0	0	1	2	1	4	2	6
45SW	Tolling	0	0	0	0	1	4	1	4
183N	Tolling	0	0	0	0	3	12	3	12
183N	ITS	0	0	46	92	0	0	46	92
Total:								**142**	**331**

Total Number Of Cabinets for 183 Toll:

		1-Door Building		2-Door Cabinet		4 - Door Cabinet		Total	
Roadway	Deployment	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	No. of Cabinets	No. of Doors	Total No. of Cabinets	Total No. of Doors
183 Toll	Tolling	0	0	13	26	1	4	14	30
								30= Cameras	Lp1502 = 14

STATEMENT OF WORK - Toll Cabinets

30= Doors Total Mr52 = 1

1. Project Planning and Site Assessment

Site Survey: Inspect the installation site to assess physical space, power requirements,and any structural considerations.
Space Evaluation: Measure the space and confirm adequate clearance and accessibility for installation.
Project Planning: Outline the full project timeline, including milestones for delivery, installation, and testing.

2. Design and Engineering

Power / Data Layout: Design the data distribution to ensure uniform power delivery and stable data connections to each Server.

3. Servers (AI Servers, VI Servers, and Access Control Server)

System Configuration: Set up the video and access control systems and settings. (Will Train CTRMA)
Content Management System (VMS): Install or configure the VMS for managing and scheduling displayed content.
Video Calibration: Adjust brightness, contrast, and color uniformity across panels to ensure consistent image quality.

4. Software Configuration

Input Source Configuration: Configure video inputs and outputs from the media player, streaming sources, or other AV equipment.
Control System Programming: Set up software for user-friendly control, such as switching inputs, scheduling, and adjusting settings. Will also work with CTRMA to set up AI analytics and system rules for the access control and video management software.

5. Training and Handover

Training: Train users on system controls, content management, and basic troubleshooting.
Documentation: Provide comprehensive documentation covering system setup, maintenance, and troubleshooting.
Maintenance Schedule: Outline a recommended schedule for cleaning, maintenance, and inspection.

6. Post-Installation Support

Warranty and Support: Provide warranty details and contact information for ongoing support.
Remote Monitoring (if applicable): Set up remote monitoring for diagnosing and addressing issues.
Onsite Troubleshooting: Offer support options for addressing hardware or software issues post-installation.

Bill of materials:

- HES locks
- Type 2 Brackets – Custom CTRMA Cabinet brackets
- Door/cabinet contacts
- Access control boards (MC-LP1502) and (MC-MR52-S3B)
- Video Surveillance Cameras (i-PRO)
- blue tooth Readers – one per door – with 100 BT licenses 3y

STATEMENT OF WORK - Toll Cabinets

- Cable: CAT6 and Access Control Cable
- Patch cords 3ft
- LSP Rack mounted enclosure 300 - (Gemni unified rack mounted system)

This Quote is for a one trip and turnkey install for all 14 cabinets. Any Cabinet that is not ready for install once STS team has been deployed and requires additional trips is subject to a change order for each additional trip. This also applies to any cabinets that are faulty and in need of repair that causes a delay prior to the arrival of STS for deployment once deployed.

DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
MC-LP1502	I-Pro	Intelligent Controller (2 Rdrs, 8 Inputs, 4 Outputs)	14	$2,279.94	26.85%	$1,667.85	$23,349.90
MC-MR52-S3B	i-PRO	Reader Interface Module - Series 3B (2 Rdrs, 8 Inputs, 6 Outputs)	1	$1,043.40	26.85%	$763.28	$763.28
WV-S32302-F2L1	i-PRO	2MP INDOOR VANDAL DOME CAMERA WITH AI ENGINE, H.265/H.264/MJPEG, 2.4MM FIXED LENS, IR LED, BUILT-IN MICROPHONE, IP66, IK10, FIPS 140-2 LEVEL 3 COMPLIANT, 5 YEAR WARRANTY, VIDEO INSIGHT 7.9.X OR HIGHER, BLACK COLOR	30	$512.81	28.31%	$367.64	$11,029.20
630REL-XT1130	HES	RUGGEDIZED ELEC MAG DEADLOCK CABINET LOCK	30	$1,299.00	44.93%	$715.38	$21,461.40

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DIR-CPO-4770

Part Number	Mfg.	Description	Qty	MSRP	DIR Disc	Price	Ext. Price
STS-Cust-DH	STS360	Type 2 Brackets - Custom	30	$125.00	50.00%	$62.50	$1,875.00
RGM75B-M8PNZ	Lifesaftey power	RGM75B-M8PNZ is a dual voltage, power supply-battery charger system. The unit is configured in a painted, steel, locking enclosure with tamper switch and integral battery space, and provides 2 FPO power supplies, each of which can be set for 12 or 24V. A	14	$1,801.00	28.16%	$1,293.83	$18,113.62
20NKS-00-000000	HID	SIGNO 20,BLK/SLVR,PIG,CRD PFL STD,MA RDY,FMT:ASP10022,WIEG,32-B MSB,EM:32-B,LED:RED,FLSH:GRN,BZR,SRF:ON,IPM:OFF,VEL:OFF,TAP	30	$412.58	42.22%	$238.38	$7,151.40
31951099	Honeywell	18-4+22(2+4+6)1S CMP PROFN 1M	2	$1,099.00	17.38%	$907.97	$1,815.94
77-240-2B	Superior Essex	4x23 CAT 6 CMP Blue 1,000ft Box	2	$499.00	30.04%	$349.08	$698.16
1076D-M	Edwards Signaling	Flush Brown Door Position Switch (contact) DPDT	30	$88.00	41.25%	$51.70	$1,551.00
N238-001-BL	Tripplite	Cat6/Cat5e 110 Style Punch Down Keystone Jack - Blue, TAA	30	$7.10	53.66%	$3.29	$98.70
N201-003-BL	Tripplite	Cat6 Gigabit Snagless Molded (UTP) Ethernet Cable (RJ45 M/M), PoE, Blue, 3 ft. (0.91 m)	30	$6.62	53.78%	$3.06	$91.80
MISC	STS360	Misc. Accessories and Consumables	1	$23,900.00	50.00%	$11,950.00	$11,950.00
TPM	STS360	Technical Management and System Programming	1	$47,760.00	50.00%	$23,880.00	$23,880.00
LABOR	STS360	Project Implementation and Installation	1	$134,623.50	50.00%	$67,311.75	$67,311.75
WAR0001	STS360	1 Year Onsite Parts and Labor Warranty	1	$37,820.00	50.00%	$18,910.00	$18,910.00

Subtotal: **$210,051.15**

183 Toll - Access Control and Video Surveillance Solution for Toll Cabinets

Prepared by:

STS360

Chandler Rawlings
940-366-5831
Fax (866) 223-8167
Chandler@sts360.com

Prepared for:

Central TX Regional Mobility Authority

3300 N IH-35 Suite 300
Austin, TX 78705
Cory Bluhm
(979) 220-2551
cbluhm@ctrma.org

Quote Information:

Quote #: STS360STS003109

Version: 1
Delivery Date: 02/18/2025
Expiration Date: 03/20/2025

Quote Summary

Description	Amount
DIR-CPO-4770	$210,051.15
Total:	**$210,051.15**

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors. Net 30-Day Payment standard.

STS360

Signature: _____

Name: Chandler Rawlings

Title: Sales Representative

Date: 02/18/2025

Central TX Regional Mobility Authority

Signature: _____

Name: Cory Bluhm

Date: _____

STS360 PROPOSED PAYMENT SCHEDULE

CTRMA - Toll Cabinets	BILLING PHASE			
MILESTONE	**Invoice 1**	**Invoice 2**	**Final Invoice**	**TOTAL**
1. Hardware	$ 87,999.40			$ 87,999.40
2. Per Roadway Completion		$ 109,846.58		$ 109,846.58
3. Final Sign Off and Completion (10%)			$ 12,205.17	$ 12,205.17
Totals Per Billing Phase	$ 87,999.40	$ 109,846.58	$ 12,205.17	**$ 210,051.15**

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Dallas TX 75244
(972) 392-3635

SERVICE LEVEL AGREEMENT

STS360 has provided a 1-year full hardware and labor onsite warranty for all STS360 supplied and installed components. STS360 warranties and guarantees all products, material, labor and work done for the Customer on this project. All new hardware and installation will be covered under the 1-year onsite warranty. All warranty replacement, installation, integration, maintenance, and required testing will be provided at no cost to The Customer within this 1-year period. STS360 is offering a 24/7 toll free service support line, 4-hour engineer on phone response and 48 hour onsite response.

I. SUMMARY

MISSION STATEMENT

STS360, or CONTRACTOR, will provide the Customer, hereby and here on referenced to as the OWNER, the establishment of procedures in which to successfully fulfill Surveillance and Security Systems maintenance services via improvement of existing support processes, scheduling of implementations, and expedient fulfillment.

SERVICES OVERVIEW

STS360 will provide a comprehensive 1-Year Onsite hardware and labor warranty in conjunction with this project. STS360 warranties and guarantees all products, material, labor, and work done for the Customer under this project. All warranty replacement, installation, integration, maintenance, and required testing will be provided within this 1-Year period unless outside of the terms specified below. STS360 is offering a 24/7 technical support toll free number for service. STS360 guarantees a 2-hour engineer on phone response for phone troubleshooting and a 48-hour onsite response for all warranty service or per the terms of the contract. STS360 has included dedicated service technicians for this project as part of this proposal. This will greatly reduce the response and service times. STS360 will stock spares (see scope for list).

DESCRIPTION OF SERVICES

Beginning upon final acceptance of project, STS360 will provide to OWNER the following services (collectively, the "Services"):

1. STS360 will provide 1-Year onsite labor warranty on all provided hardware and labor and integration services are warranted through STS360 from the date of final acceptance. It will not include the cost of parts and labor for OWNER not adhering to the standard terms or outside of specified terms and conditions of this contract. Parts installed by STS360 will be serviced according to their existing manufacturer's warranty; components not provided or installed by STS360 and outside the terms of Manufacturer warranty and subject to Purchase Order. Service calls will be billed when these incidents are approved by both parties. (this only refers to the need for new components not originally procured or installed by STS as apart of the original scope/project to fix an issue)
The proposed and accepted response terms of this warranty contract are:

LEVEL 1 SUPPORT:

- A Toll-free number to reach a live Technical Service Representative 24x7x365.
- A Return call from on-call Systems Engineer / Technician within 4 Hours for remote or phone support.

LEVEL 2 SUPPORT:

- Additional Troubleshooting is needed; technician is dispatched onsite within 48 hours to resolve the problem.
- Optimization, Maintenance and Quality Checks performed when techs are onsite

LEVEL 3 SUPPORT:

- Problem is understood and diagnosed, equipment / materials needed to repair / resolve the issue on hand, technician is dispatched onsite within 48 hours from level 2 dispatch
- All Level 3 services to be 100% closed and resolved within a maximum of 72 hours (does not apply to Force Majeure incidents or when manufacturer lead times are delayed).
- Optimization, Maintenance and Quality Checks performed when techs are onsite

2. All hardware, software, material and other warranties past this 1-Year contract term, and not renewed in an additional warranty contract year through STS360, will be the sole responsibility of the OWNER to contact the manufacturer directly to obtain replacement, repair or technical support.

ACCESS TO DATA AND COMPUTERS

On request, OWNER agrees to provide Contractor with evidence of a programming error, if the Contractor is unable to replicate the issues reported in a work order. Recipient further agrees to provide Contractor with access to OWNER computers, servers, networks, view stations, cameras and sufficient computer time to enable Contractor to duplicate the problem, determine that it results from a warrantable cause and, after corrective action or replacement has taken place, and determine that the problem has been alleviated. STS360 also requires that OWNER allow access to stored data, upon notification, and the ability to remove data that is causing conflicts and/or inhibiting the ability to repair system to its full functionality.

MODIFICATIONS EXCLUDED

Contractor shall not be obligated to provide support services pursuant to this Contract with respect to any modifications of the Software, configurations of the systems, new applications, additional hardware outside of scope, operating systems, and other adjustments made for any reason during the service contract by OWNER or to any computer program incorporating all or any part of this system.

COSTS AND EXPENSES

If terms in this contract for warranty / maintenance and services are determined to not be met by owner, when technician is on site, all work on the service will be put on hold until a purchase order is issued for the work needed to be performed to correct the issue. Parts and service labor will be covered by STS360 for any failure that is proven to be a failure in material or workmanship under normal use during the applicable warranty period. This coverage is limited to parts and labor. The warranty for replacement parts is limited to direct replacement. STS will not bill for a service call within the term of this SLA.

TERM PERIOD

This Contract will remain in effect for a period of (12) Months or (1)-Years from the date of final acceptance. This SLA can be extended year to year or multiple years after the 1 year term is up.
SLA renewal quotes will be generated before the expiration of of current term.

CONFIDENTIALITY

STS, and its employees, agents, or representatives will not at any time or in any manner, either directly or indirectly, use for the personal benefit of STS, or divulge, disclose, or communicate in any manner, any information that is proprietary to Owner. STS360 and its employees, agents, and representatives will protect such information and treat it as strictly confidential. This provision will continue to be effective after the termination of this Contract.

GENERAL WARRANTY

STS360 shall provide its services and meet its obligations under this Contract in a timely and workmanlike manner, using knowledge and recommendations for performing the services which meet generally acceptable standards in STS's community and region, and will provide a standard of care equal to, or superior to, care provided by Contractors similar to STS360 on similar projects. Contractor shall not be liable for any delay in performance directly or indirectly resulting from acts of Owner, its agents, employees, or subcontractors.

HARDWARE SUPPORT STS360 warrants to the original purchaser (PURCHASER) that each product of its manufacture (PRODUCT) is covered by this warranty from the date of delivery if properly installed, serviced, and operated under normal conditions. Any part or parts there of replaced during the base warranty period assumes the remainder of that warranty period or the parts warranty period, whichever is greater. The warranty coverage for the PRODUCT is continual from the original date of purchase and does not restart upon the replacement of any part or complete unit. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA. Parts and service labor will be covered by STS360 for any failure that is under normal use during the applicable warranty period. This coverage is limited to parts and labor. STS will preform regular preventive maintenance and firmware/software updates within the term of the SLA.
The warranty for replacement parts is limited to direct replacement.

STS360 reserves the right to repair or replace any part, component, or assembly at its option. STS360 may request defective parts be returned for examination before the issuance of credit. Any item that is replaced under warranty becomes property of STS360. ***PROCESS FLOW*** OWNER experiences issue with Security Equipment. (While all this information is not mandatory, STS will need details in regard to the issue in order to rectify the issue. STS will have all system documentation, STS will just need general information of the issue)

1. OWNER submits a request to STS360 24/7 TSG (technical support group) describing the following:
   - **a.** OWNER / Department / Site Name
   - **b.** Point of Contact (OWNER PoC) Information and Title
   - **c.** Pertinent Information relating to service request
   - **d.** If available, Device IP Number / Camera Number / Reader Number
   - **e.** Device Location
   - **f.** Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules site visit with provided PoC.
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist and schedules visit.
4. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
5. STS360 Security Specialist evaluates location, troubleshoots issue.
   - **a. Troubleshooting fixes Issue** – STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   - **b. Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component.
     - **i. IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
     - **ii. IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
     - **iii. IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
       a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (see Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (see Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist to return and resolve issue.
9. STS360 Security Specialist calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.
11. STS360 Security Specialist gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist updates ticket status, notes, and uploads final acceptance sign-off document.

12. STS360 Security Specialist closes Ticket, STS360 Security Coordinator documents in Ticket Report.

SOFTWARE SUPPORT

STS will need general information of the issue.

PROCESS FLOW

OWNER experiences issue with Security Software.

1. OWNER submits a request to STS360 TSG (technical support group) describing the following:
   g. OWNER / Department / Site Name
   h. Point of Contact (OWNER PoC) Information and Title
   i. Pertinent Information relating to service request
   j. If available, Device IP Number / Camera Number
   k. Device Location
   l. Description of issue / concern
2. STS360 Service Coordinator reviews ticket and schedules Security Specialist/Engineer Remote-In/Onsite Session with provided PoC (SEE Statement of Work/Access to Data and Computer).
3. STS360 Service Coordinator assigns the ticket to STS360 Security Specialist/Engineer and schedules Remote-In/Onsite Session internally.
4. STS360 Security Specialist/Engineer calls OWNER PoC to inform of Remote-In/Onsite Session.
5. STS360 Security Specialist/Engineer evaluates system status, troubleshoots issue.
   a. **Troubleshooting fixes Issue** – STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket and uploads final acceptance sign-off document. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.
   b. **Hardware is the issue** – Identify whether component is STS360 provided component or existing OWNER Component (SEE Asset Management/LifeCycle Maintenance).
      i. **IF** – STS360 provided component and under Warranty - STS360 processes warranty per guidelines of any standing Maintenance Agreement
      ii. **IF** – STS360 provided component and not under Warranty – STS360 proposes quote to replace equipment.
      iii. **IF** – OWNER's existing equipment – STS360 prepares quote for hardware to be replaced and submits to ticket/PoC.
         a. It is OWNER's responsibility to validate warranty documents internally for the existing defective hardware.
6. IF OWNER cannot verify existing component is under warranty, OWNER may provide STS360 Purchase Order to procure and install equipment, OWNER uploads Purchase Order to Ticket.
7. STS360 Purchasing will order equipment (SEE Asset Management/Shipment) and STS360 Service Coordinator will update status of order on ticket.
8. When all hardware has been obtained (SEE Asset Management/Warehousing Equipment) STS360 Service Coordinator will notify OWNER PoC to set a time for STS360 Security Specialist/Engineer to return and resolve issue.
9. STS360 Security Specialist/Engineer calls OWNER PoC to inform of arrival time range.
10. STS360 Security Specialist/Engineer replaces component and verifies functionality with OWNER PoC or OWNER Representative validated by OWNER PoC.

11. STS360 Security Specialist/Engineer gets OWNER PoC Sign-Off on work completion. STS360 Security Specialist/Engineer updates ticket status, notes, and uploads final acceptance sign-off document.
12. STS360 Security Specialist/Engineer closes Ticket, STS360 Security Coordinator documents in Ticket Report.

III. PARTY COMMUNICATIONS

PLACING A WORK ORDER REQUEST

Call Toll Free: (866) 506-7446

Email: technicalsupport@sts360.com

Our Technical Support Group (TSG) is there for you 24x7x365 and is just a phone call away. A live person will answer immediately, do some basic troubleshooting, and generate a work order while the OWNER is on the phone with TSG representative. If they are unable to assist you to a successful fix of the issue, they will immediately reassign the work order to, and contact the appropriate Level 2 support personnel who will be in contact within 2 hours or less to help resolve the issue, direct you to submit an RMA, and/ or dispatch an on-site technician. STS360 requests the party submitting the work order have some of the following information ready when calling the TSG, because the more information provided, the better we can assist in resolving the issue more expeditiously.

STS360 will request the following information in order to expedite service.

- OWNER / Site Name
- Your Contact Information and Title
- Sales Invoice / Work Order / Or Purchase Order Number (if available)
- Pertinent Information relating to your service request
- Device IP Number / Camera Number
- Device Location
- Description of issue / concern

OWNER POINT OF CONTACT

1. OWNER agrees to provide STS360 a Project Manager as the Primary Point of Contact
2. OWNER's Primary POC will be responsible for resolving financial or business issues outstanding and assist in facilitating final acceptances.
3. OWNER agrees to provide all STS360 necessary system documentation for access to existing systems
4. OWNER agrees to provide logins or access to any Ticketing or ERP system used by the OWNER at no charge to STS360.
5. OWNER agrees to provide assistance in coordination of departmental resources necessary for successful fulfillment.

IV. ASSUMPTIONS AND EXCEPTIONS

Services or Work Product will be deemed acceptable to OWNER if it conforms in all material respects with Services described in this project or Bill of Materials. STS360 will have full responsibility for the deliverables and the tasks listed in each project or Bill of Materials.

OWNER will complete a review of each submitted deliverable within five workdays from the date of delivery. OWNER feedback which indicates revisions to a deliverable are required will be addressed and re-submitted by STS360 within five workdays unless approval (in writing) for a different length of time is obtained from the OWNER or designate.

OWNER will either accept or reject STS360's Services or Work Product within a reasonable number of days from performance. For this Project, Services or Work Product will be accepted or rejected within 5 days from delivery completion date. Failure to provide acceptance or rejection within 5 days will be considered acceptance of the deliverable. If OWNER gives notice of rejection, then STS360 will have an additional five days, within which to cure any deficiencies identified in writing by OWNER.

STS360 reserves the right to accept or reject OWNER requested tasks that may result in STS360's incurring of legal liability beyond the scope of STS360's offered Services. STS360 is required to respond with reason for objection and propose an alternative solution when available.

V. CHANGE REQUESTS

CHANGE REQUEST PROCESS

STS360 works very efficiently to provide quality estimates from the start of an evaluation. However, if an agreed upon Scope of Work has a mutually agreed change or addition to agreed SOW, STS360 will propose a resolution in the form of a Change Order that, if verified, accepted and signed by OWNER, will be prioritized in schedule and performed by STS360.

Next Page – See a Change Order Form Sample

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Dallas TX 75244
(972) 392-3635

CHANGE ORDER FORM SAMPLE

OWNER NAME:
OWNER ADDRESS:
PROJECT #:
PROJECT NAME:
PROJECT LOCATION:

STS360 PROJECT MANAGER:
OWNER APPROVER:

DATE CHANGE ORDER SUBMITTED:
CHANGE ORDER REFERENCE NUMBER:

STS360 submits this change order for the above referenced project. This change order is deemed (billable / non billable / price decrease) to the OWNER of this project. This change order is subject to the terms and conditions of the original contract. This change will not in any way impact the original scope outside of the indicated changes below. This change order will not impact warranty, and will be included in final project warranty if accepted. The purpose of this change order request is to agree that changes to the scope are requested and to seek approval by the OWNER of this project. A Purchase Order or signed agreement at the bottom of this page will be required to fulfill this change order for the above referenced project. See attached revised Scope of Work and Pricing Revision (if billable / price decrease.)

Change Item	Change Description	Product Description	Part Number	Qty
1				
2				
3				

Above is Sample, please revise as per the scope of each change order (add or delete change items as needed as well. Any scope, warranty and/or price changes must be included in detail in appendixes to be attached and identified above. Please customize each section as needed. Please delete these notes before submitting)

OWNER: _____ CONTRACTOR: STS360 _____

Approved by: _____ Approval Received by: _____

Date of Approval: _____ Date Received: _____

Name: _____ Name: _____

Title: _____ Title: _____

Department: _____ Department: _____

14229 Proton Rd
Dallas TX 75244
(972) 392-3635

TERMS AND CONDITIONS

STS360 complies with the related Terms and Conditions put forth on the Texas Department of Information Resources website. For services rendered by STS360, compliance under this Statement of Work is met by current DIR or Buyboard Contract being utilized or its successive renewal by STS360 with the State of Texas Department of Information Resources.

STANDARD MAINTENANCE AND SERVICE TERMS AND CONDITIONS

1. This is a warranty and not an insurance policy. This warranty does not take the place of the client's general liability insurance.
2. All warranties exclude remedy for damage or defect caused by abuse, tampering, vandalism, improper or insufficient maintenance, improper operation.
3. The client is responsible for any damage to any improvement, fixture or property not constructed, installed or included in maintenance contract scope by STS360 that may cause the need for repair to the STS360 installed equipment, materials, hardware, etc. (e.g. – damaged ceiling is leaking onto network equipment, STS360 should not be liable to fix the ceiling leak as well as the STS360 equipment).
4. The client will be required prior to repair of unwarranted issue to hold STS360 free of any liability from the cause of the original problem
5. Warranty does not include drainage deficiencies at the job location / location of equipment / material (e.g. – drainage is damaged on facility and run-off of rain water overwhelms drainage and therefore begins draining directly on our equipment where there'd been no point of drainage prior during project installation).
6. Warranty does not include any landscaping issues that cause loss of effectiveness of security after project acceptance (e.g. – Client decides to forego cutting back trees or plants new trees or bushes that grow in front of camera placements, diminishing intended Field of View)
7. Warranty does not include any defects or deficiency caused by materials, design, construction, or work supplied by other than the STS360 outside of the contract scope
8. Warranty does not include changes, alterations or additions made to the installation by anyone other than those performed under obligations of this warranty;
9. Warranty does not include deficiency or defects caused or made worse by the Client's, employees, patrons, or any other party than STS360 during the service contract.
10. Warranty does not cover any deficiencies or defects in workmanship, materials or structural portions normally covered by another warranty or insurance policy whether or not paid by such warranty or insurance policy (e.g. – Client employee repairs something in the electrical room, and because of poor workmanship causes pipes to burst damaging significant portions of our system and the facility / structure and owners insurance doesn't cover it, STS360 should not be liable for the cost to cover damaged equipment caused by workmanship or structural problems on the facilities)
11. Warranty does not cover deficiency or defects resulting from accidents, riot, civil commotion, terror attacks, war, or Acts of God; including but not limited to fire, explosion, smoke, water escape, windstorm, mudslide, erosion, hail, lightning, hurricanes, tsunamis, falling trees, aircraft, vehicles, flood, earthquakes, sink holes, underground springs, volcanic eruptions, saturated soils or change in the level of the under-ground water table.
12. Warranty does not cover any contamination caused or created by natural or man-made chemicals, compounds, or substances used by the client or breakdown or adverse effects of chemicals, compounds, or substances used.

13. Warranty does not cover pest damage including but not limited to termites, rodents, cockroaches and ants
14. Warranty does not cover any damage caused by water intrusion, including but not limited to roof leaks, window sealants, plumbing
15. Warranty does not cover heat damage, damage caused from dust build up, dampness or condensation due to clients' failure to maintain adequate ventilation.
16. Warranty does not cover any loss, damages or other condition which is not a deficiency or defect of the systems functionality.
17. Warranty does not cover consequential damage: Any property damage or bodily injury which follows as a result of structural damage, or other defects covered under this warranty including defects in workmanship that was not originally installed by STS360 (e.g. – something occurs in relation to structural or poor workmanship from the client or other contractor, causing our equipment to malfunction and cause bodily or property damage, such as a camera coming loose and falling on a person or property.)
18. Warranty does not cover any loss or physically inflicted damage which is not a construction deficiency or defect, including but not limited to chips, scratches, and dents in materials, fixtures, appliances, or other types of equipment
19. Warranty does not cover failure by the client to give notice to the Contractor regarding deficiencies or defects within a reasonable time or as specified in the clients' warranty contract;
20. Warranty does not cover negligence and/or improper maintenance, or improper operation of items warranted under this warranty
21. Warranty does not cover failure of the clients or any client or third-party representative to comply with the warranty requirements of manufacturers of hardware, software, equipment, materials, or fixtures
22. Warranty does not cover any loss or damage which the client(s) have not taken reasonable timely actions to minimize;
23. Warranty does not cover any dispute received by Contractor later than 30 days after the applicable Warranty Expiration Date for claimed items of deficiency or defect;
24. Warranty does not cover any alleged deficiency or defect for which there is no evidence of deficiency or defects at the time of the claims investigation; or which has been repaired prior to a claim
25. Warranty does not cover any condition which does not result in actual physical or functional damage to the warranted equipment, materials, hardware, software, materials or fixtures.
26. Billable costs may occur if STS360 Technicians are denied entry to facility and/or when appointments are not cancelled within 24 hours of arrival. Should it be no fault of the client in the event of an unforeseen circumstance (act of God, serious incident / crime, or other unforeseen circumstance), and STS360 will excuse the charge but requests to be contacted as soon as possible to cancel the appointment.
27. STS360 cannot be held liable for unresponsiveness to work orders that are not reported and/or escalated through the proper chain of communication by OWNER in this warranty agreement.

HID Mobile BLE is an app-based solution that uses Bluetooth Low Energy to transmit secure credentials to the reader.

The end customer submits contact info to set up an HID Origo web portal using the link below. They will get an email that gives them an ORG ID and MOBKEY. This is what is needed to order credentials. The MOBKEY should be loaded into a mobile-capable reader. This can be done before an order to come preloaded, or after receipt.

- Here is a YouTube video that shows the process to Onboard and have a technician put the end user's mobile key onto a Mobile Reader: https://www.youtube.com/watch?v=cLVjAGt7a2s
- All Signo have the functionality innately and SE readers could have been ordered that way or may have the potential of an upgrade using an upgrade kit – we can work together to confirm that potential).

https://portal.origo.hidglobal.com/selfonboarding/

After registering you will get the EUORG ID and MOBKEY required for ordering mobile credentials

Customers order subscription-based "seat" licenses in 1 or 3-year plans. Customers can add additional licenses at a prorated cost within that subscription period. This is available for a customer with a rollout plan that is not immediate for all users. We can help with the specifics of the cost for add-ons if they advance in that fashion.

- MOQ for any plan or add-on is 20. You can do anything 20 and above, but it must reach 20.
- When ordering you will give part detail as well as End User Name, ORG ID and MOBKEY (established in onboarding) and a format that you will be using for the licenses
    - The format must be a tracked format that allows for Next Number Up issuance. We can make a 26-bit H10301 a TRK-H10301 tracked license. Every future order would need the ORG ID and TRK-H10301 number.
    - There is no charge currently for CORP 1000 on mobile license orders
- It is good to understand that a mobile credential and a physical credential will register as the same user if the format information is the same.
    - The issuance and revocation features of the Origo portal allow a user to churn through as many credentials as are needed as long as they do not go past the licenses available – each re-issuance will grab a new number in the "pot" of credentials.

Subscription Licenses:

Item Number	Description	Min Order Qty
MID-SUB-T100	**1-YEAR** USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	**3-YEAR** USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Add-Ons (only used if the customer is adding additional licenses in the above subscription periods):

Item Number	Description	Min Order Qty
MID-SUB-T100-ADD	ADD-ON USER LICENSE, HID ORIGO MOBILE IDENTITIES	20.00
MID-SUB-T103	3-YEAR USER LICENSE, ENTERPRISE, HID ORIGO MOBILE IDENTITIES	20.00

Many of our OEM head-end partners do have integrations into HID Origo. These integrations may make it possible to issue and revoke credentials from the head-end software. The hooks into HID Origo may make it not necessary to manage out of the portal. This would help to not have to manage the two systems in what we call a swivel chair approach. Swivel chair approach = issuing a credential, swiveling over to the access software, entering the user, and the opposite if you are removing a user. The Head End OEM Partner owns this integration, the set-up procedures and functionality as well as the detail of pricing or inclusion in versions of their software.

Extra info:
Short Video Tutorial of the portal:
https://www.youtube.com/watch?v=Zslg66u5qM0&list=PLaI1sYdMpc6qrAwlJHGd1xql3eWv0wnbf&index=10

HID Video Showing mobile and Twist and Go for longer range access:
https://youtu.be/ztkngP5jfjI

HID Mobile Access -Getting Started
https://www.youtube.com/watch?v=F906cOELCwg

HID Mobile Access FAQ
https://doc.origo.hidglobal.com/faq/portal/HID_Mobile_Access_FAQ.pdf

Demo of Reader Manager and how it is used:
https://www.youtube.com/watch?v=bQsQqqvqDPU&feature=youtu.be

PHYSICAL ACCESS SOLUTIONS

multiCLASS SE® Readers

multiCLASS SE readers include Open Supervised Device Protocol (OSDP), a new Security Industry Association (SIA) standard that together with Secure Channel Protocol (SCP) provides secure communications and central management.

HIGHLY ADAPTABLE AND SECURE HIGH FREQUENCY ACCESS CONTROL SOLUTION

- **Powerfully Secure** – Provides layered security beyond the card media for added protection to identity data using SIOs.
- **Adaptable** – Interoperable with a growing range of technologies and form factors including mobile devices utilizing Seos™.
- **Interoperable** – Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.
- **Streamlined Migration** – Simultaneous support for 125 kHz HID Prox®, AWID and EM4102 for seamless migration; field programmable for secure upgrades and extended lifecycle.

HID Global's iCLASS SE® platform goes beyond the traditional smart card model to offer a secure, standards-based and flexible platform that has become the new benchmark for highly adaptable, interoperable and secure access control solutions.

multiCLASS SE® readers simplify migration from legacy technologies with support 125 kHz for HID Prox, Indala, AWID and EM4102, and provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent readers also support iCLASS® Seos™ and iCLASS SE credential platforms, as well as standard iCLASS, MIFARE and MIFARE DESFire EV1 with custom data models and other leading technologies.

Additionally, multiCLASS SE readers support mobile devices utilizing Seos, enabling a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

As part of HID Global's iCLASS SE platform that is based on the Secure Identity Object™ (SIO®) data model and Trusted Identity Platform® (TIP™), the powerfully secure multiCLASS SE readers offer advanced features such as layered security beyond the card media and tamper-proof protection of keys/cryptographic operations using EAL5+ secure element hardware.

POWERFULLY SECURE:
- Multi-Layered Security – Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- EAL5+ Certified Secure Element Hardware – Provides tamper-proof protection of keys/cryptographic operations.
- SIO Data Binding – Inhibits data cloning by binding an object to a specific credential.
- Secured communications using OSDP with Secure Channel Protocol.

HIGHLY ADAPTABLE:
- Mobile device support using card emulation – Enables HID access control.
- SIO Portability – Provides technology independence and portability to other smart card technologies.
- Upgradeable Hardware Connection – Allows all Wiegand-based communication readers to expand communication capabilities to OSDP, Hi-O and other bidirectional protocols.
- Field Programmable Readers – Provides secure upgrades for migration and extended lifecycle.
- Customization and management from a central location – Enables organization to make changes and manage all attached OSDP readers over RS485 wiring.
- Simultaneous support for 125kHz HID Prox, AWID and EM4102.
- Allows for support of future technologies.

SUSTAINABILITY AND MANAGEMENT:
- Intelligent Power Management (IPM) – Reduces reader power consumption by as much as 75% compared to standard operating mode.
- Recycled Content – Contributes toward building LEED credits.

INTEROPERABLE:
- SIO Media Mapping – Simplifies deployment of third-party objects to multiple types of credentials.
- Industry standard communications using OSDP.
- Custom programming support to read custom data models on MIFARE and MIFARE DESFire EV1 credentials.

SPECIFICATIONS

	RP10	RP15	RP40	RPK40
Base Part Number	900P 900L	910P 910L	920P 920L	921P 921L
Typical Read Range[1]	**13.56 MHz Single Technology ID-1 Cards – SIO Model Data**			
	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2: 1.2" (3 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 2.8" (7 cm) MIFARE DESFire EV1/EV2 1.2" (3 cm)	iCLASS Seos: 1.2" (3 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.7" (12 cm) MIFARE DESFire EV1/EV2: 2.0" (5 cm)	iCLASS Seos: 0.8" (2 cm) iCLASS: 4.7" (12 cm) MIFARE Classic: 4.3" (11 cm) MIFARE DESFire EV1/EV2 1.6" (4 cm)
	13.56 MHz Single Technology Tags/Fobs[5] – SIO Data Model			
	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 1.6" (4 cm) MIFARE Classic: 1.2" (3 cm)	iCLASS: 2.4" (6 cm) MIFARE Classic: 2.0" (5 cm)	iCLASS: 2.8" (7 cm) MIFARE Classic: 1.6" (4 cm)
	125 kHz Single Technology ID-1 Cards			
	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 1.6" (4 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 4.3" (11 cm)	HID Prox: 2.8" (7 cm) Indala Prox: 2.0" (5 cm) EM4102 Prox: 3.1" (8 cm)
	125 KHz Single Technology Tags/Fobs			
	HID Prox: 1.6" (4 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 0.8" (2 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 2.0" (5 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.8" (7 cm)	HID Prox: 1.6" (4 cm) Indala Prox: 1.2" (3 cm) EM4102 Prox: 2.4" (6 cm)
Mounting	Ideally suited for mullion-mounted door installations or any flat surface		Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Mounting Spacer	To be used when mounting on metallic surfaces, refer to How To Order Guide for part numbers			
Color	Black			
Keypad	No			Yes (4x3)
Dimensions	1.9" x 4.1" x 0.9" 4.8 cm x 10.3 cm x 2.3 cm	1.9" x 6.0" x 0.9" 4.8 cm x 15.3 cm x 2.3 cm	3.3" x 4.8" x 1.0" 8.4 cm x 12.2 cm x 2.4 cm	3.3" x 4.8" x 1.1" 8.5 cm x 12.2 cm x 2.8 cm
Product Weight (Pigtail)	4.0oz (114g)	5.2oz (149g)	7.8oz (222g)	9.1oz (258g)
Product Weight (Terminal Strip)	3.0oz (85g)	4.3oz (124g)	7.6oz (216g)	8.0oz (228g)
Operating Voltage Range	5-16 VDC, Linear supply recommended			
Current Draw - Standard Power Mode[2] (mA)	75	75	85	95
Current Draw - Intelligent Power Management (IPM) Mode[2] (mA)	40	40	50	70
Peak Current Draw - Standard Power or IPM Mode[2] (mA)	200	200	200	200
NSC[3] Power Consumption - Standard Power Mode (W @ 16VDC)	1.2	1.2	1.4	1.5
NSC[3] Power Consumption - w/ IPM (W @ 16VDC)	0.6	0.6	0.8	1.1
Operating Temperature	-31º to 150º F (-35º to 65º C)			
Storage Temperature	-67º to 185º F (-55º to 85º C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Environmental Rating	Indoor/Outdoor IP55; IP65 if installed with optional gasket (IP65GSKT)			
Transmit Frequency	13.56 MHz & 125 kHz			
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO®) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic (On by Default) - standard iCLASS Access Control Application (order with Standard interpreter) -ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN - MIFARE Classic and MIFARE DESFire EV1 custom data models - FeliCa™[4] CSN, CEPAS[4] CSN or CAN - MIFARE DESFire EV2 via EV1 backward compatibility			
125 kHz Card Compatibility	HID Prox[4], AWID[4], Indala, EM4102[4]			
Communications	Optional OSDP with SCP over RS485[4] Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use Shielded cable for best results			
Panel Connection	Pigtail or Terminal Strip			
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea)[4], NCC (Taiwan)[4], iDA (Singapore)[4], RoHS			
Cryto Processor Hardware Common Criteria Rating	EAL5+			
Patents	US7180403, US7439862, US7124943, US5952935, US6058481, US6337619			
Housing Material	UL94 Polycarbonate			
Manufactured with % of recycled content (Pigtail)	10.5%	11.0%	10.5%	10.9%
Manufactured with % of recycled content (Terminal Strip)	10.5%	11.0%	11.0%	12.3%
UL Ref Number	RP10E	RP15E	RP40E	RPK40E
Warranty	Limited Lifetime			

[1] *Read range listed is statistical mean rounded to nearest whole centimeter. HID Global testing occurs in open air. Some environmental conditions, including metallic mounting surface, can significantly degrade read range and performance; plastic or ferrite spacers are recommended to improve performance on metallic mounting surfaces.*

[2] *Measured in accordance with UL294 standards; See Installation Guide for Details.*

[3] *NSC = Normal Standby Current; See Installation Guide for Details.*

[4] *Not available on 9xxL part numbers.*

[5] *Supported Tags/Fobs - iCLASS, and MIFARE Classic*

hidglobal.com

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Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

2019-12-17-hid-multiclass-se-readers-ds-en PLT-00303

GEMINI™

Overview

The RGM75 Series is a 75W integrated 2U rackmount power system that incorporates system power, lock power and Mercury controllers.

RGM enclosures provide mounting for two Mercury controllers and multiple LifeSafety Power FlexPower® devices in an access control system capable of controlling four doors as a standalone or multiple doors when interconnected. LSP power modules are provided based on RGM model number and Mercury controllers are provided by the integrator based on the job requirements.

Available options include single (12 or 24V DC) or dual voltage operation (12 and 24V DC), power distribution and control, individual output protection by either fuses or class 2 power limiting, buffered lock control, and remote reporting and test. Each LSP output is protected against electrical surges caused by lightning or transients on the external wiring (SurgeShield™) and each LSP control output is individually selectable for available DC voltages, either failsafe or failsecure operation with fire alarm interface.

Optional network reporting capabilities include: operational fault status; power supply output; battery charging voltage; battery charging current; and fire alarm input status. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving or reducing the cost of on-site servicing.

The unit is intended for mounting within a standard four post EIA 19 inch electronics rack with a maximum depth of 36 inches.

MERCURY SECURITY

RGM 75 B - C8 M8 N Z / E

- GEMINI™ RACKMOUNT for MERCURY
- POWER (75 WATTS)
- 12V SECONDARY VOLTAGE
- DISTRIBUTION OUTPUTS
  - C4 - 4 controlled
  - C8 - 8 controlled
  - D8 - 8 auxiliary
  - M8 - 8 managed *Fused*
  - C4P - 4 controlled
  - C8P - 8 controlled
  - D8P - 8 auxiliary
  - M8P - 8 managed *Class II Power limited*
- NETWORK
- WIRE MGMT
- *For 230VAC Input*

c UL us CE RoHS compliant

Rackmount Features

- Integrated access system with lock and system power distribution
- Compartmentalized architecture for maximum reliability
- Rack drawer slide assembly simplifies controller wiring and maintenance
- Comprehensive wire management with tie down points and articulating bracket
- 120 or 230V AC user selectable input supports data center electrical systems

Configuration Options

- Single voltage or 12 and 24VDC dual voltage options cover all access functions
- Power distribution for either direct (D8) buffered (C8) or managed (M8)
- Individual output selection for failsafe, failsecure, lock voltage and fire alarm interface
- High capacity battery charge capability
- Automotive fuses for ease of service and replaceability
- Easy door expansion with multiple Gemini drawers
- Available companion battery housing for rackmount use (part number RBE)

Network Monitoring

- Monitor/alert power supply, battery operation and faults
- Remote test battery run time, low battery and time to service alert
- Monitor/power cycle individual outputs (M8N model)
- Monitor alert external room temperature

Fire Alarm Interface

- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed
- Voltage or Polarity Reversal Activation

Comprehensive fault detection and reporting

- May be connected into access controller or used standalone
- Form C contact transfer for AC Loss or brownout
- Form C contact transfer for abnormal system operation

Agency Listings

- UL, CUL, CE Access Control

Lifetime Warranty

Ordering

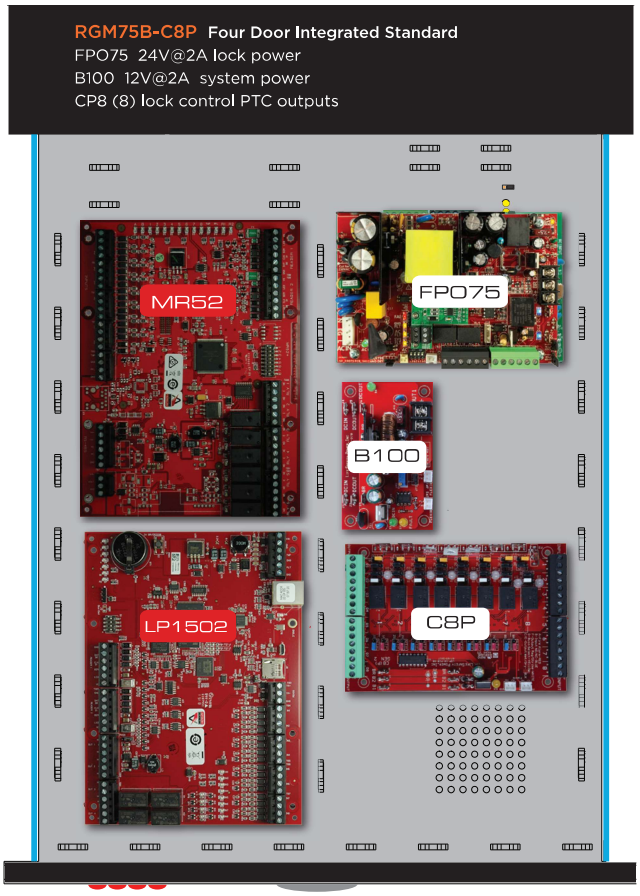
Model No.	Network	Voltage	Current	Internal Distribution: Bulk	Auxiliary	Control	Managed
RGM75-D8PZ		12V or 24V	6A/12V or 3A/24V	2	8		
RGM75-D8PNZ	Yes			2	8		
RGM75-C4PZ				2		4	
RGM75-CPZ				2		8	
RGM75-M8PNZ	Yes			2			8
RGM75B-D8PZ		12V and 24V	2A/12V and 2A/24V	2	8		
RGM75B-C4D8PZ				2	8	4	
RGM75B-C4D8PNZ	Yes			2	8	4	
RGM75B-C8PZ				2		8	
RGM75B-C8D8PZ					8	8	
RGM75B-M8PNZ	Yes			2			8

Single voltage - factory set to 12VDC
Dual voltage - outputs can be individually set for 12V or 24VDC
Networking - monitors power supply, battery set and relay control outputs
For CE 230VAC option, add " / E" suffix to model number, i.e RGM75-D8PZ / E

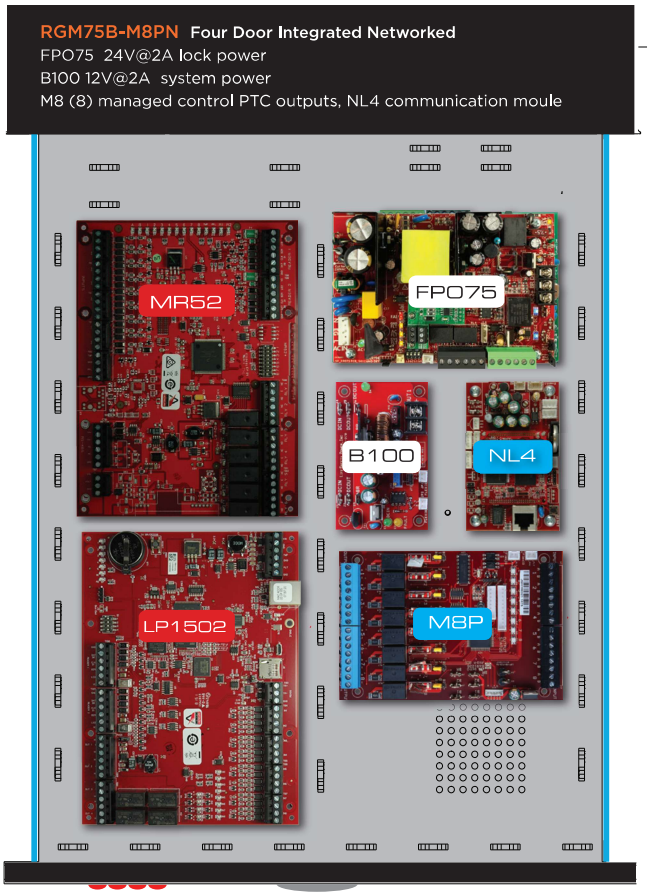
Specifications

Input Power	Input 120/230 VAC 50/60 Hz | 83 Watts Thermal overload protection / Short circuit protection
Output Power	RGM75 75 Watts: 6 amps at 12 VDC or 3 amps at 24 VDC *(factory default setting is 12VDC)* RGM75B 75 Watts: 2 amps at 12 VDC and 2 amps at 24 VDC *(factory set to 24VDC and 12VDC)* *(allows 1A per Mercury board, 0.50A per lock. If Mercury board draws less, lock power is more)*
Internal Power Distribution	D8/D8P eight auxiliary outputs: D8 fused at 3A/ea, D8P Class II Power limited at 2.5A/ea C4/C4P four control outputs: C4 fused at 3A/ea, C4P Class II Power limited at 2.5A/ea M8/M8P eight managed outputs: M8 fused at 3A/ea, M8P Class II Power limited at 2.5A/ea – *Individually selectable outputs on dual voltage systems*
Supervision	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts) System Fault, AC Fault, Ground Fault, Reverse Battery
External Indicators	AC on master on/off switch | Front Panel Mercury Status LEDs
Battery Charging	Maximum charge current 1.0 amp | Maximum battery capacity 40Ah Independent built-in charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Regulatory Compliance	CE, UL294 6th Edition, UL603, UL1076, ULC S318, ULC S319 (can mix and match Mercury and LSP modules togethr in any combination)
Access Panel Mounting	Two slots for LP1502, LP2500, MR52
BTU Rating	RGM75, RGM75B 33BTU/Hr
Physical Dimensions	2U rack mount (19.00"W x 3.50"H x 20.50"D) | Weight 24 lbs. | Z bracket wire management articulating arm

Drawer layout example of 4 door dual voltage



Drawer layout example of 4 door dual voltage managed system



INTERNAL POWER DISTRIBUTION options

D8 - DISTRIBUTED POWER TO Mercury

Eight individually protected power outputs
- *D8P Class 2 power limited at 2.5A per output*
- *D8 Fused at 3A per output*

Visual Indicators
- *DC Presence: Green LED per output*

Removable terminals
- *Accepts #12 to #24 AWG*

C4 - CONTROL OUTPUTS FOR LOCKS

4 access control trip inputs

4 individually protected lock control outputs
- *C4P Class 2 power limited at 2.5A per output*
- *C4 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

M8 - MANAGED OUTPUTS FOR LOCKS & Mercury

8 access control trip inputs
8 individually protected managed control outputs
- *M8P Class 2 power limited at 2.5A per output*
- *M8 Fused at 3A per output*

Each input may be programmed to respond to:
- *Application of voltage between 9 and 33VDC*
- *Removal of voltage between 9 and 33VDC*
- *Normally open dry contact transition*
- *Normally closed dry contact transition*
- *Activation or deactivation through software*

Each output may be programmed for the following modes:
- *Voltage output from power supply one*
- *Voltage output from power supply two*
- *Fail-safe, Fail-secure*
- *Fire alarm over ride for egress lock control*
- *AC loss over ride for egress lock control*
- *Trigger points based on voltage or current values to send an alert via email or SNMP*

Visual Indicators
- *DC Presence: Green LED per output*
- *Fault Condition: Yellow fault LED*

Removable terminals
- *Accepts #12 to #24 AWG*

FAULT DETECTION AND REPORTING

DETECTED FAULT CONDITIONS (ALL MODELS)

AC Power
- *AC loss, AC low, Master AC power switch*

DC Power and System
- *Abnormal or loss of power supply operation*
- *Over current, over temperature condition*
- *DC output high, low*
- *Battery Presence, Earth Ground (user optional)*
- *Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)*

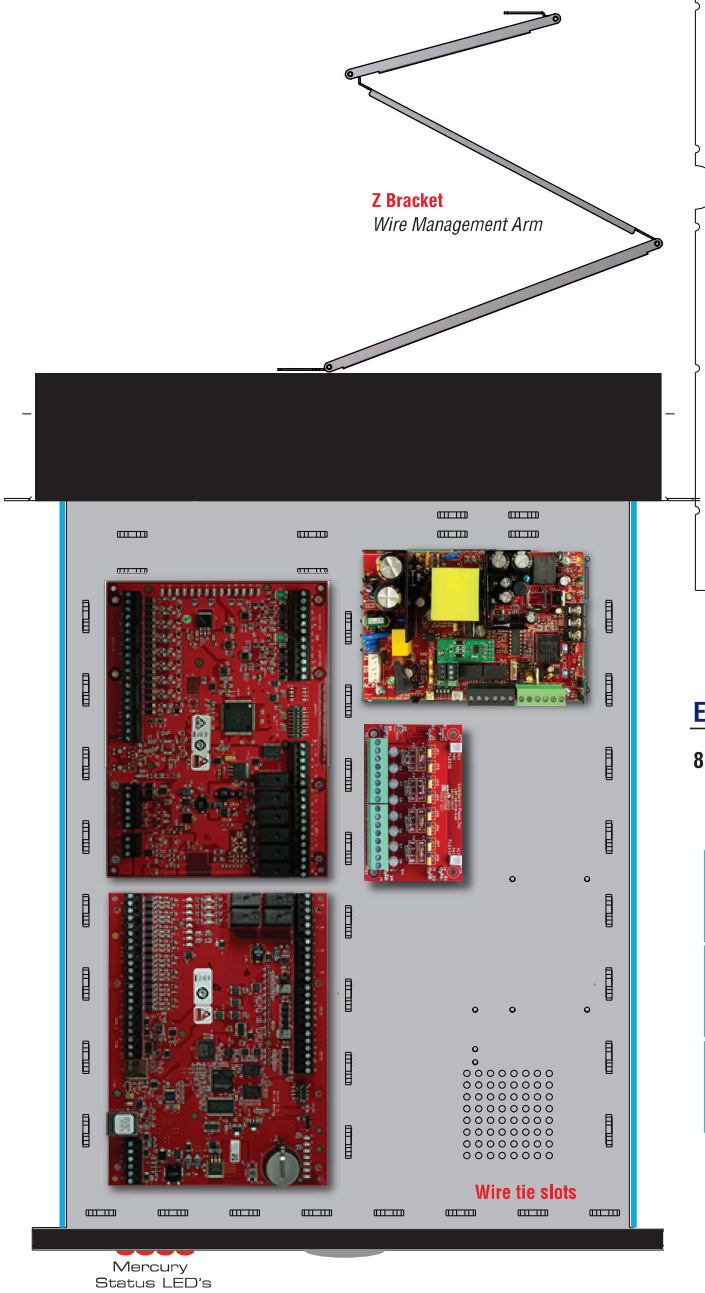
WIRE MANAGEMENT

Wire tie points

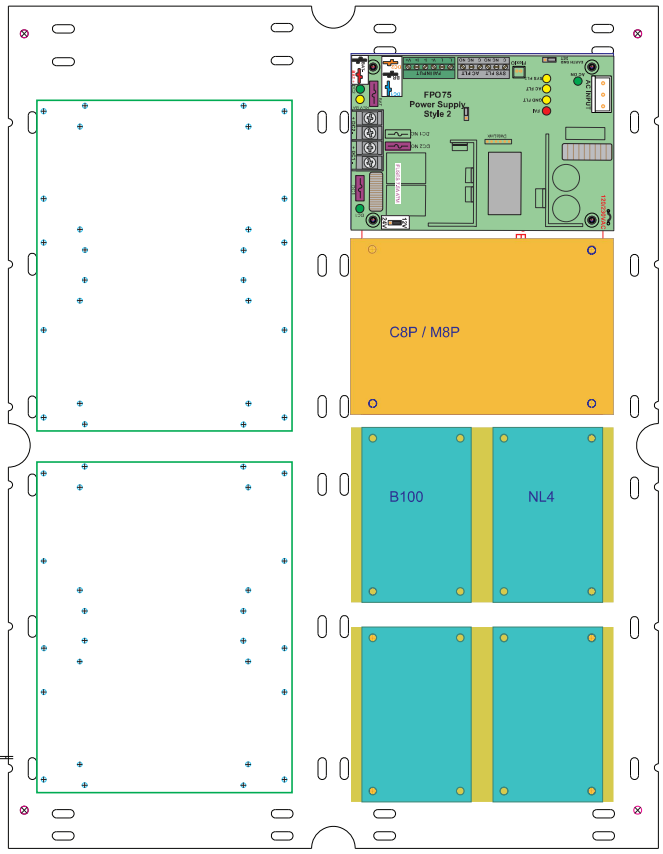
- *Drawer tie down points for access wiring*
- *Back chassis tie down points secures wire bundle*

Articulating arm

- *Z bracket with tie wrap points secures access wiring into drawer*



BACKPLATE CONFIGURATION OPTIONS



EXPANSION | BATTERY BACK-UP

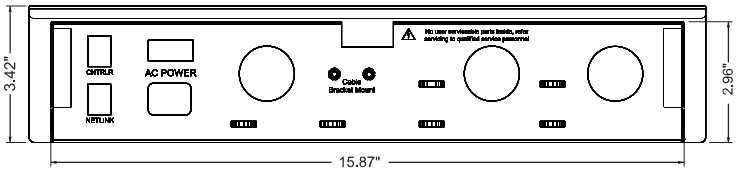
8 Doors

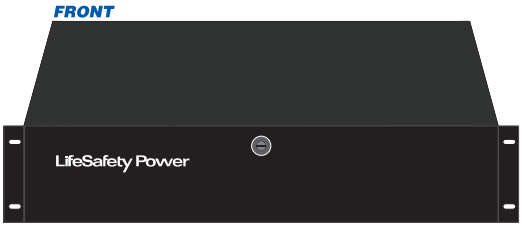
- *Stack multiple Gemini rack mounts for higher door counts*
- *Add RBE battery enclosure for battery back up*

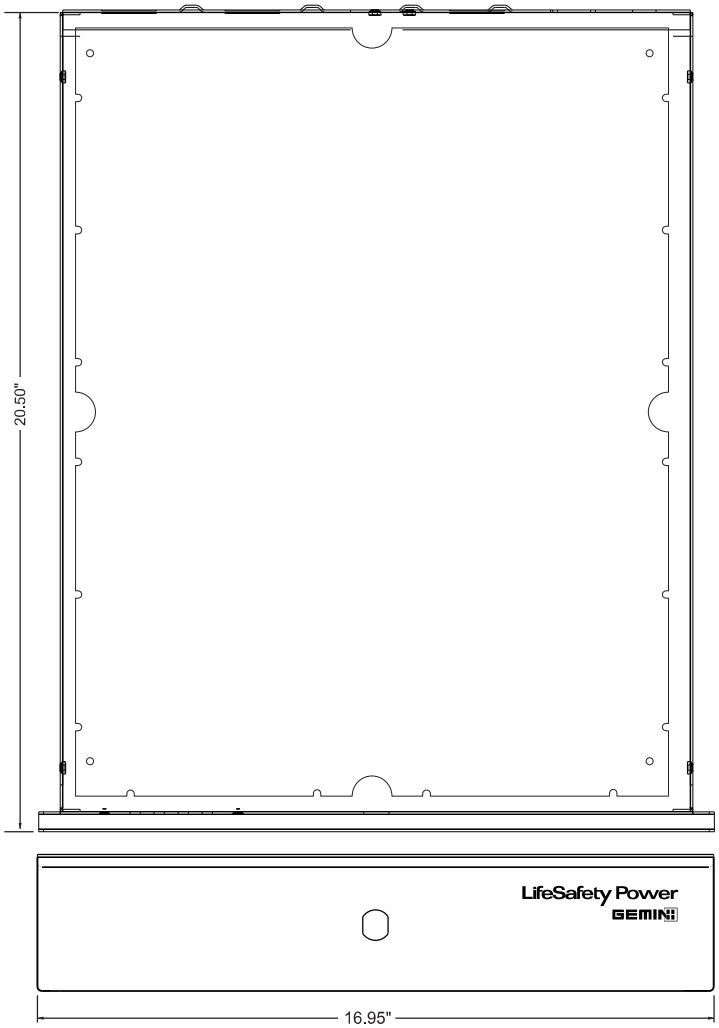
8 Doors w/battery back up

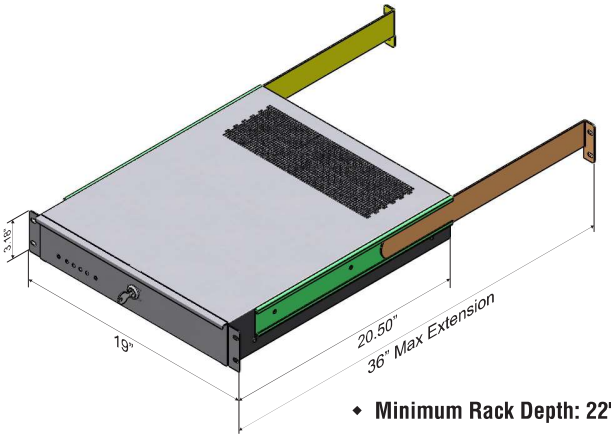
Mechanical

2U rack mount 19.00"W x 3.50"H x 20.50"D
Weight 27 lbs.

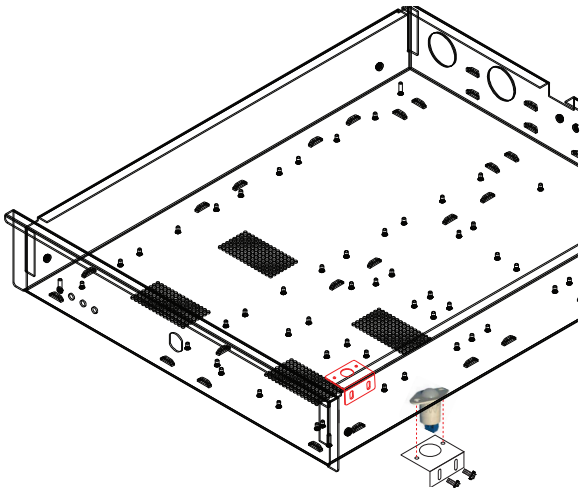








- **Minimum Rack Depth: 22"**



Included Tamper Switch

lifesafetypower.com

(888) 577-2898
info1@lifesafetypower.com

Specifications subject to change without notice.

P01-722A 07/22

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Phoenix, AZ 85044 USA

WV-S32302-F2L1

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All-in-one Compact dome camera with AI engine and IR-LED

- 2MP Compact dome camera
- Up to 2 Edge AI analytic apps
- Discreet design
- Wide angle of view (Horizontal 132°)
- Built-in IR-LED (21m/69ft)
- Built-in microphone
- IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant

i-PRO

SPECIFICATIONS

Camera	
Image Sensor	Approx.1/2.8 type CMOS image sensor
Scanning Area	5.57 mm (H) × 3.13 mm (V) {7/32 inches (H) × 1/8 inches (V)}
Minimum Illumination	Color : 0.02 lx (30IRE, F2.1, 1/30s, AGC:11)* 0.03 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0019 lx (50IRE, F2.1, 16/30s, AGC:11)* BW : 0 lx (50IRE, F2.1, 1/30s, AGC:11, IR LED: On) 0.02 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0013 lx (50IRE, F2.1, 16/30s, AGC:11)* *Converted value
White Balance	ATW1/ ATW2/ AWC
Maximum shutter	60 fps/30 fps/15 fps mode: Max.1/10000s to Max.16/30s 50 fps/25 fps/12.5 fps mode: Max.1/10000s to Max.16/25s
Intelligent Auto	On / Off
Super Dynamic	On / Off, The level can be set in the range of 0 to 31. *1
Dynamic Range	144 dB max. (Super Dynamic: On, Level: 31)
Adaptive Black Stretch	The level can be set in the range of 0 to 255.
Back Light Compensation/ High Light Compensation	BLC/ HLC/ Off, The level can be set in the range of 0 to 31. (only when Super Dynamic/ Intelligent Auto: Off)
Fog Compensation	On/ Off, The level can be set in the range of 0 to 8. (only when Intelligent Auto/ Auto contrast adjust: Off)
Maximum Gain (AGC)	The level can be set in the range of 0 to 11.
Color/BW (ICR)	Off/ On(IR Light Off)/ On(IR Light On)/ Auto1(IR Light Off)/ Auto2(IR Light On)/ Auto3(SCC)
IR LED Light	High/ Middle/ Low/ Off Maximum irradiation distance : 21 m {Approx. 69 ft} (30IRE)* , 15 m {Approx. 49 ft} (50IRE) * Converted value
Digital Noise Reduction	The level can be set in the range of 0 to 255.
Video Motion Detection (VMD)	On/ Off, 4 areas available
Scene Change Detection (SCD)	On/ Off, 1 area available
Audio Detection	On/Off
AI Sound Classification	Selectable from Gunshot, Yell, Vehicle horn, Glass break
AI Analytics	AI Video Motion Detection, AI Privacy Guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Non mask Detection (prior to V2.70), AI Occupancy Detection, AI Scene Change Detection For details : https://i-pro.com/products_and_solutions/en/surveillance/products/analytics-software 3rd party applications are also available. https://i-pro.com/products_and_solutions/en/surveillance/solutions/edge-ai-platform/application-list
Privacy Zone	On/ Off, up to 8 zones available
VIQS	On/ Off, up to 8 zones available

Image Rotation	0° (Off)/ 90°/ 180° (Upside-down)/ 270°
Camera Title (OSD)	On/ Off, Up to 40 characters, Up to 2 Lines (alphanumeric characters, marks)

Lens	
Optical zoom	1x
Extra zoom	max 3.0 x (when resolution is 640x360)
Digital (Electronic) zoom	-
Focal length	2.4mm {3/32inches}
Angular Field of View	[16:9 mode] Horizontal: 132° , Vertical: 74° [4:3 mode] Horizontal： 99°, Vertical： 74°
Maximum Aperture Ratio	1 : 2.1
Focus range	0.5 m {19-11/16 inches} ~∞
Aperture range	F2.1

DORI	
Detect (25ppm / 8ppf)	17.1m / 56.1ft
Observe (62.5ppm / 19ppf)	6.8m / 22.4ft
Recognize (125ppm / 38ppf)	3.4m / 11.2ft
Identify (250ppm / 76ppf)	1.7m / 5.6ft

System on Chip (SoC)	
System on Chip (SoC)	Ambarella CV25M

Adjusting Angle	
Adjusting Angle	Horizontal (PAN) angle: -45°to +45° , Vertical (TILT) angle: 0°to +90° Azimuth (YAW) angle: -90°to +90°

Browser GUI	
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser *2	Microsoft Edge, Firefox, Google Chrome

Network	
Network IF	10BASE-T/100BASE-TX, RJ45 connector
Resolution	[16:9 mode(60 fps mode/ 30 fps mode/ 50 fps mode/ 25 fps mode)] 1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode(30 fps mode/ 25 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode/ 12.5 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA *Used by super resolution techniques
H.265/H.264 Transmission Mode / Type *3	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	[GOP(Group of pictures) control] Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced (Fixed GOP 60 seconds with 1 second Key frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control) *Advanced and Frame rate control are only available with H.265. [Smart VIQS] On(High)/On(Low)/Off [Smart P-picture control] On/Off
Audio Compression	G.726 (ADPCM): 32 kbps/16 kbps , G.711: 64 kbps , AAC-LC: 64kbps/96kbps/128kbps *4

Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, LLDP, FTP, SFTP, MQTT IPv4: TCP/IP, UDP/ IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Secure	FIPS 140-2 level 3 (NXP® EdgeLock® SE050F), Device Certificate GlobalSign® pre-installed, HTTPS, User authentication, Digest authentication, Host authentication, IEEE802.1X, System log, Image transmission log, Brute-force protection, Alteration detection, Signed Firmware
SDXC/SDHC/SD Memory Card (Option)	microSDXC memory card: 64 GB,128 GB,256 GB,512 GB microSDHC memory card: 4 GB,8 GB,16 GB,32 GB , microSD memory card: 2 GB
Mobile Terminal Compatibility	iPad / iPhone (iOS 8.0 or later), AndroidTM mobile terminals
ONVIF®Profile	G / M / S / T

Alarm	
Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output

Input/Output	
Monitor Output	-

General	
Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035
Power Source	PoE (IEEE802.3af Compliant)
Power Consumption	PoE DC 48V: 180mA / approx. 8.6W (Class 0 device)
Ambient Operating Temperature	0 °C to +40 °C {32 °F to 104 °F}
Ambient Operating Humidity	10 % to 90 % (no condensation)
Water and Dust Resistance	-
Shock Resistance	IK10 (IEC 62262)
Wind Resistance	-
Dimensions	109 mm (W) x 53 mm (H) x119 mm (D) {4-19/64inches (W) x 2-3/32 inches (H) x 4-11/16 inches (D)}
Mass (approx.)	approx. 455g {1.00 lbs}
Finish	Main body: Aluminum die cast, BLACK / Front panel: PC resin, Clear
Other	Tamper-resistant enclosure *5

NOTES

*1 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
*2 For information on the operation verification of the web browsers, refer to our support website <Control No.: C0132>.
*3 Transmission for 4 streams can be individually set.
*4 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity) .
*5 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver.

Important
– Safety Precautions : Carefully read the Basic Information,Installation Guide and Operating Instructions before using this product.
– i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
– Masses and dimensions are approximate.
– Specifications are subject to change without notice.

OPTIONAL ACCESSORIES

Select a compatible accessory
Accessory Selector (i-pro.com)

WV-QWL500-W
Mount Bracket

WV-QWL500-B
Mount Bracket

WV-QPL500-W
Mount Bracket

WV-QPL500-B
Mount Bracket

WV-QJB502A-W
Mount Bracket

WV-QJB502A-B
Mount Bracket

WV-QJB500-W
Mount Bracket

WV-QJB500-B
Mount Bracket

WV-QCN500-W
Mount Bracket

WV-QCN500-B
Mount Bracket

WV-QCL101-W
Mount Bracket

WV-QCL101-B
Mount Bracket

WV-QAT502-W
Gangbox Adapter

WV-QAT502-G
Gangbox Adapter

WV-SDB256G
i-PRO SD Memory Card

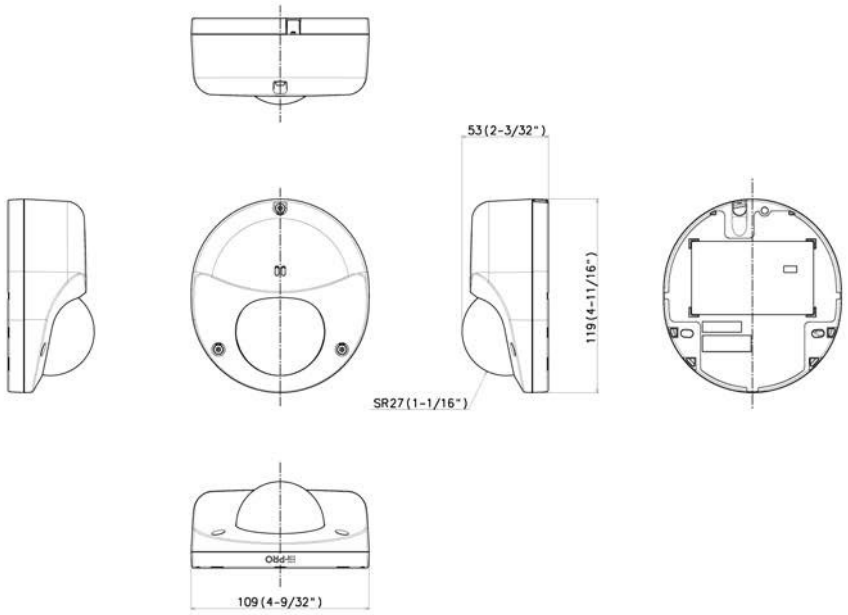
WV-SDB128G
i-PRO SD Memory Card

WV-SDB064G
i-PRO SD Memory Card

WV-SDB032G
i-PRO SD Memory Card

WV-QDC505C
Dome Cover

APPEARANCE



Mass : Approx. 550 g (1.21 lbs)

Unit:mm


WARNING
DO NOT OPERATE SYSTEM WITH
CONFLICT MONITOR DISCONNECTED

Get In Touch

WE ARE HERE TO HELP MAKE
GREAT SECURITY ACCESSIBLE

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