



SMART SECURITY SOLUTIONS



PRODUCT BROCHURE

2025





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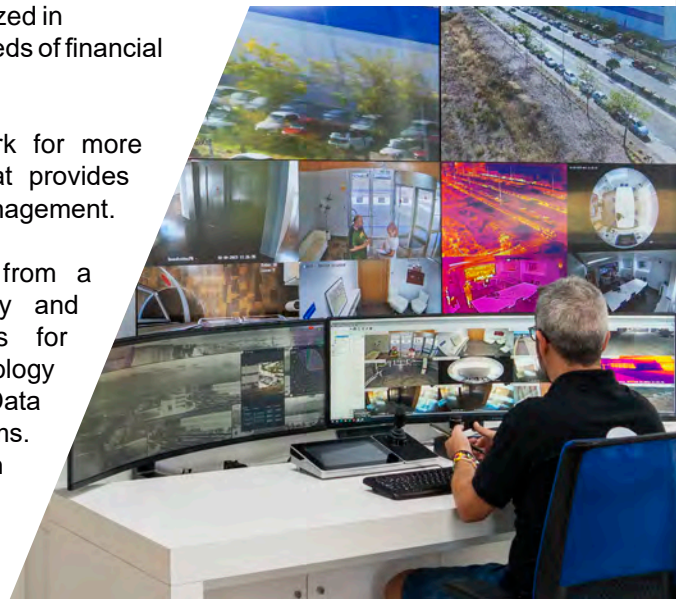
YOU IMAGINE, WE CREATE.



SCATI is a manufacturer of intelligent security systems specialized in developing technological solutions and adapting them to the needs of financial institutions.

As a result of our own innovation and development work for more than 25 years, SCATI offers you a complete solution that provides your organization with much more than just security management.

Whether with our Systems Integration Platform, where from a single solution you can manage your different security and automation subsystems, or with our complete Suites for Video Surveillance and Access Control, our technology incorporates the latest in Artificial Intelligence and Big Data management so that users get the most out of their systems. Simplify your daily operations, equip your operators with intelligent tools that allow them to be more productive and get the most out of your systems with SCATI, so you can go beyond security.



**VIDEO SURVEILLANCE
AND SECURITY**



**BUSINESS
INTELLIGENCE**



**ACCESS
CONTROL**



**SYSTEMS
INTEGRATION**

SERVICES SCATI CARE

We accompany our customers at all times.

Our goal is that our customers get the most out of our technological solutions and ensure their peace of mind.

We accompany our clients throughout the project cycle, paying attention to those details that make the difference and making available to them the widest range of services possible, so that each user can choose the ones that best suit their budget and operational needs.



CONSULTING

We support you in every phase of the project, from the definition of requirements to its implementation.



CERTIFICATIONS

Become an expert in the most cutting-edge video technology on the market and get certified on our platform.



SOFTWARE

We have an R&D Department to develop solutions tailored to your needs.



SETTING UP

We accompany you in the implementation of your project, until you achieve the maximum operability and efficiency of the system.



MAINTENANCE

We guarantee the continuous operation of the system through our preventive and corrective maintenance services.



IN-PLANT

You can count on the exclusive dedication of our technicians, who will specialize in the operations of your organization.

SYSTEMS INTEGRATION SUITE SENTRY

Efficiency and safety, smartly integrated

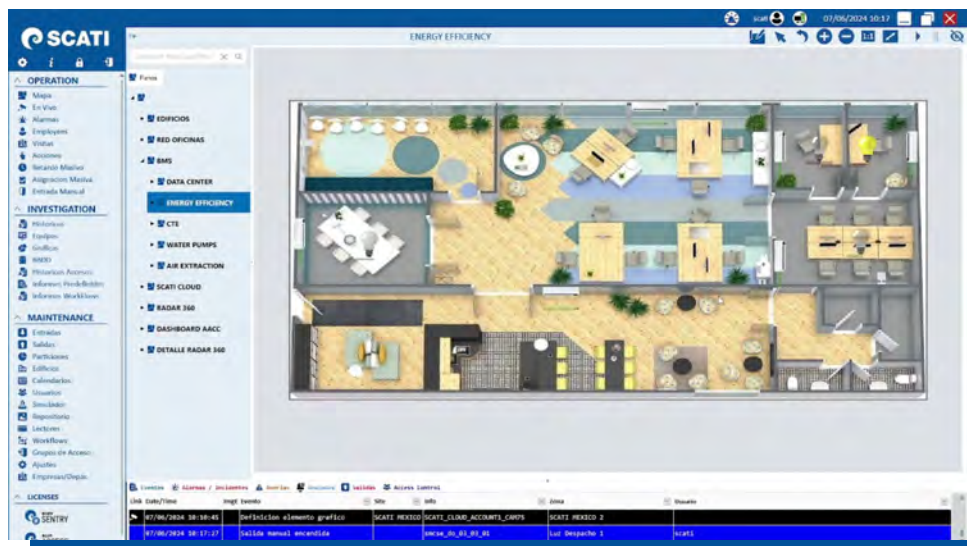
The SENTRY SUITE is a systems integration platform, aimed at providing our customers with a comprehensive solution through which they can manage in a simple, efficient and unified way all the information coming from their different security and automation subsystems.



SCATI SENTRY is a centralized solution that combines several security elements, such as alarm and intrusion systems, access control devices and video surveillance, allowing the incorporation of automation and intelligent building control systems.

SCATI SENTRY supports the integration of multiple subsystems from different manufacturers, either through protocols based on market standards or through specific integrations developed ad hoc. In turn, it supports protocols associated with the industrial sector such as Modbus or Bacnet, as well as others related to the IoT world (MQTT, CoAP).

Esta gestión integrada permite crear planes de actuación ante posibles incidentes, gestionar la planimetría del edificio e integrarse con Google Maps y Google Street View, con comunicaciones seguras HTTPS (TLS).



CCTV



Access
Control



Alarms
and intrusion



Fire
detection



Building
Management System



Intercom



IoT Systems



Workflows

Systems integration platform

The automation and centralization of security systems and building management systems (BMS) take operational efficiency to another level. Imagine being able to optimize lighting, HVAC and other resources intelligently. This not only saves money, but also reduces the ecological footprint.

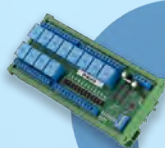


It facilitates management through the building planimetry and integrates with Google Maps and Google Street View, with HTTPS (TLS) secure communications.



It configures automatic responses to specific events, provides effective incident management tools and generates detailed reports to assess system efficiency, comply with regulatory requirements and optimize internal procedures.

Automation devices



SDIO-12 (E/S)

Input/output devices and physical controllers play an essential role in system integration, enabling integration software to connect to and control the physical world.

By collecting real-time data, enabling precise control, detecting events and improving efficiency, these devices provide an invaluable set of benefits.



SMC-SENTRY (CONTROLADORA)

Controllers, on the other hand, increase reliability, availability and local processing capacity, ensuring optimal performance in a variety of applications.

Together, these components enhance the ability of system integration solutions to create more secure, efficient and adaptive environments.



SYSTEM INTEGRATION

ANALYSIS

SCATI SENTRY is a systems integration platform, oriented to provide our clients with an integral solution through which they can manage in a simple, efficient and unified way all the information coming from different subsystems, whether they are security or building control subsystems.

Designed and developed entirely by **SCATI, SENTRY** is capable of unifying in a single user interface the most relevant information from all subsystems, as well as offering interaction functions between them.

Integrating and unifying systems such as CCTV, Intrusion, Perimeter Detection, Fire and industrial systems are some of the examples for which **SENTRY** has been conceived. But it is not only limited to them, it is also possible to integrate HVAC or lighting systems

SENTRY supports the integration of multiple subsystems from different manufacturers, either through protocols based on market standards or through specific integrations developed ad hoc. In turn, it supports protocols associated with the industrial sector such as Modbus or Bacnet, as well as others related to the IoT world (MQTT, CoAP).

This integrated management allows the creation of action plans for possible incidents, management of the building's planimetry and integration with Google Maps and Google Street View, with HTTPS (TLS) secure communications.

RELEVANT FEATURES AND FUNCTIONS

- User roles to customize the available options.
- Import of maps for building management in which to locate objects: cameras, reader heads, or any other security element.
- Geolocation of cameras recorded and monitored by **SCATI VMS** or **SCATI CLOUD**.
- Visualization of all subsystems (CCTV, access, fire, intrusion, etc.) from the equipment section.
- Import of predefined layouts.
- Automation of inputs and outputs through **SDIOs**.
- Alarm management.
- Partitions.
- Calendars.
- Real-time event display.
- Control panels, in the form of a barometer or a graph with real-time data of the installation.
- Graphs to consult data of elements found in historical records.
- BMS integration.
- Control panels, dashboards

EDITIONS AVAILABLES

➤ SCATI SENTRY PRO

- The PRO edition of SENTRY is oriented to the local control of medium and large buildings, in which there is a set of subsystems to be integrated.
- SENTRY provides the necessary set of tools to specifically meet the highest demands in terms of system integration.

➤ SCATI SENTRY CORPORATE

- The CORPORATE edition of SENTRY is aimed at large corporations where centralized (multi-site) control offers competitive advantages and simplifies operational tasks.
- It offers monitoring and control services for all buildings from a unified user interface, as well as centralized data management and storage.

ORDER AVAILABILITY

- **LIC- SENTRY -PRO Scati Sentry Serie Pro** integration platform. The license includes the use of 2 simultaneous **Scati Sentry** clients.
- **LIC- SENTRY -CORPORATE Scati Sentry Serie Corporate** integration platform. The license includes the use of 5 simultaneous **Scati Sentry** clients. Allows federation of **Scati Sentry** servers (Master-slaves).
- **LIC-SENTRY-CLI** Software license to add simultaneous client equipment to **Scati Sentry**.
- **LIC- SENT-500-AV-1CH** Software license to add a field element of an access control system (reader) or CCTV (camera). Up to 500 licenses.
- **LIC- SENT-1000-AV-1CH** Software license to add a field element of an access control system (reader) or CCTV (camera). Up to 1000 licenses.
- **LIC- SENT-PLUS-AV-1CH** Software license to add a field element of an access control system (reader) or CCTV (camera). More than 1000 licenses.
- **LIC- SENT-500-DI-1CH** Software license to add a field element from any other subsystem except CCTV and AACC. Up to 500 licenses.
- **LIC- SENT-1000-DI-1CH** Software license to add a field element from any other subsystem except CCTV and AACC. Up to 100 licenses.
- **LIC- SENT-PLUS-DI-1CH** Software license to add a field element from any other subsystem except CCTV and AACC. More than 1000 licenses.

SDIO-12-RAIL

SDIO-12-BOX

IO Module



SDI-12-RAIL		SDIO-12-BOX
I/O		
Input ports	12 photoelectric isolation input ports	
Output ports	12 photoelectric isolation output ports	
COMMUNICATIONS		
Communication protocol	MODBUS RTU	
Communication interface	RS-485	
Maximum devices	It can support up to 64 devices on the same bus.	
Data transmission	The baud rate can be set by command: 2400 4800 9600 19200 38400 57600 115200 bps	
Check methods	None parity check, even parity check and odd parity check	
GENERAL		
Power supply	12 VDC	
Maximum load	10A	
Mounting format	DIN RAIL	Metal box with tamper and battery
Dimension	200 x 72 x 22 mm	280 x 280 x 80 mm
Weight	385 g	1,5 Kg approx.

RELEVANT FEATURES AND FUNCTIONS

- Module with 12 digital inputs and 12 digital outputs.
- Allows integration of signals from third party systems with Scati Sentry.
- RS-485 serial bus connectivity with SMC-640SENTRY (Master Controller).
- Supports Modbus protocol.
- Power supply: 12VDC.



ORDERING INFORMATION

- SDIO-12-RAIL: DIN rail
- SDIO-12-BOX: BOX format

SMC-640SENTRY-RAIL

SMC-640SENTRY-BOX

Scati Master Controller



SMC-640SENTRY-RAIL		SMC-640SENTRY-BOX
SYSTEM		
Processor	Intel® ATOM® x6413E 8GB, 128 GB SSD	
Network interface	2 x 2.5 GbE LAN	
Interfaces	2 x USB 3.0 5 x USB 2.0 4 x COM	
Capacity	500.000 events 500.000 cards	
Protocols	HTTPS (TLS), DHCP, DNS	
Firmware	Remote updateable	
I/O module Management	Up to 16 SDIO-12 modules.	
GENERAL		
Power supply	9 – 24 VDC	
Operating Humidity	5% to 90%	
Operating Temperature	-20 to 70°C (-4°F to 158°F)	
Mounting format	DIN RAIL	Metal box with tamper and battery
Dimension	88 x 102 x 17 mm (3.46 x 4.01 x 0.67")	400 x 360 x 130 mm (15.7 x 14.2 x 5.12")



RELEVANT FEATURES AND FUNCTIONS

- **SCATI MASTER CONTROLLER (SMC)** is an IP controller for the management of I/O modules and their communication with Scati Sentry.
- It provides capacity to process up to 16 **SDIO-12** modules.
- Its performance and technical features correspond to the most demanding requirements of access control environments for enterprise applications.
- It is supported by a software platform based on a Windows 10 IoT operating system, enhancing the security and scalability of the system.
- The **SMC** has an Intel® / ATOM® processor family and includes two gigabit network ports for primary and secondary communication with the host.
- All network communications are done through HTTPS (TLS) encrypted protocol, protecting the controller against potential network threats, as well as facilitating the implementation of the controller in compliance with the highest security standards within organizations.
- It supports both static and dynamic IP addresses, using DHCP and DNS to simplify network installation. It has the necessary mechanisms to perform software updates remotely.
- The **SMC** offers full functionality to work both online and offline.
- It has a copy of the databases with all the parameterizations regarding the activation of relays, facilitating decision making without the need to consult the server.
- Mounting options: DIN rail and metal enclosure.

ORDERING INFORMATION

- SMC-640SENTRY-RAIL: DIN rail
- SMC-640SENTRY-BOX: BOX format

SMC-ES24

Scati Master Controller



SMC-ES24	
SYSTEM	
Processor	Intel® ATOM® x6413E 8GB, 128 GB SSD
Network interface	2 x 2.5 GbE LAN
Interfaces	2 x USB 3.0; 5 x USB 2.0; 4 x COM
Capacity	500.000 events; 500.000 cards
Protocols	HTTPS (TLS), DHCP, DNS
Firmware	Remote updateable
I/O MODULE	
Input ports	24 photoelectric isolation input ports
Output ports	24 photoelectric isolation output ports
Communication protocol	MODBUS RTU
Communication interface	RS-485
Maximum devices	It can support up to 64 devices on the same bus
Data transmission	The baud rate can be set by command: 2400 4800 9600 19200 38400 57600 115200 bps
Check methods	None parity check, even parity check and odd parity check
Power supply	12 VDC, maximum load 10A
GENERAL	
Power supply	9 – 24 VDC
Operating Humidity	5% to 90%
Operating Temperature	-20 to 70°C (-4°F to 158°F)
Mounting format	DIN RAIL
Dimension	590 x 140 x 70 mm

RELEVANT FEATURES AND FUNCTIONS

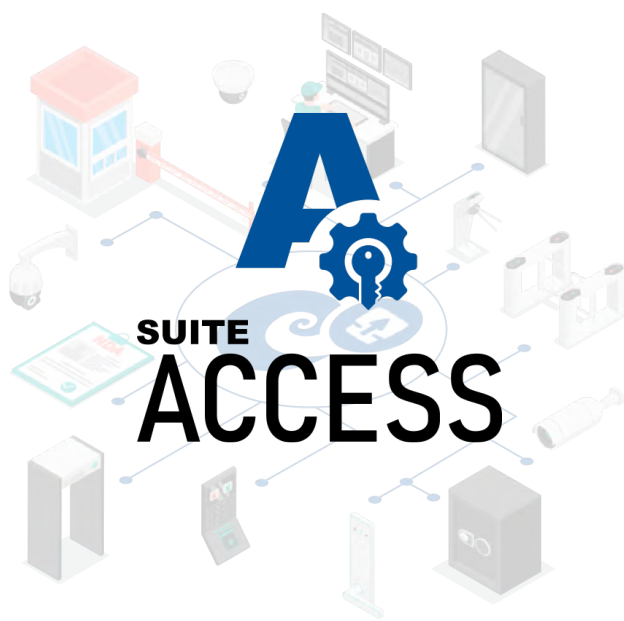
- **SCATI MASTER CONTROLLER (SMC-ES24)** is an IP controller for the management of I/O modules and their communication with Scati Sentry.
- It provides capacity to process up to 24 I/O.
- Its performance and technical features correspond to the most demanding requirements of access control environments for enterprise applications.
- It is supported by a software platform based on a Windows 10 IoT operating system, enhancing the security and scalability of the system.
- The **SMC-ES24** has an Intel® / ATOM® processor family and includes two gigabit network ports for primary and secondary communication with the host.
- All network communications are done through HTTPS (TLS) encrypted protocol, protecting the controller against potential network threats, as well as facilitating the implementation of the controller in compliance with the highest security standards within organizations.
- It supports both static and dynamic IP addresses, using DHCP and DNS to simplify network installation. It has the necessary mechanisms to perform software updates remotely.
- The **SMC-ES24** offers full functionality to work both online and offline.
- It has a copy of the databases with all the parameterizations regarding the activation of relays, facilitating decision making without the need to consult the server.
- Mounting: DIN rail.

ORDERING INFORMATION

- SMC-ES24

ACCESS CONTROL SUITE ACCESS

The peace of mind of being in control



Our ACCESS SUITE is a solution specially designed to increase the efficiency of your security operations.

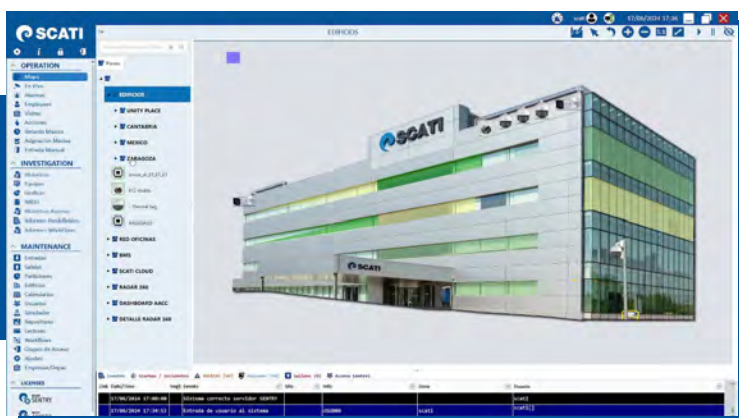
Designed under open standards, composed of an ecosystem of hardware devices and coupled with a software management platform, our SUITE ACCESS offers its users a solid, reliable and scalable solution to protect their facilities with maximum guarantees.

A robust access control solution based on advanced technologies that reduce the chances of identity theft and ensure that only authorized persons can access those areas allowed.

You no longer need to compromise on security, flexibility or technology when it comes to access control. The ACCESS SUITE offers you the complete solution you need to secure your building and manage access efficiently.

Access control and visitor management

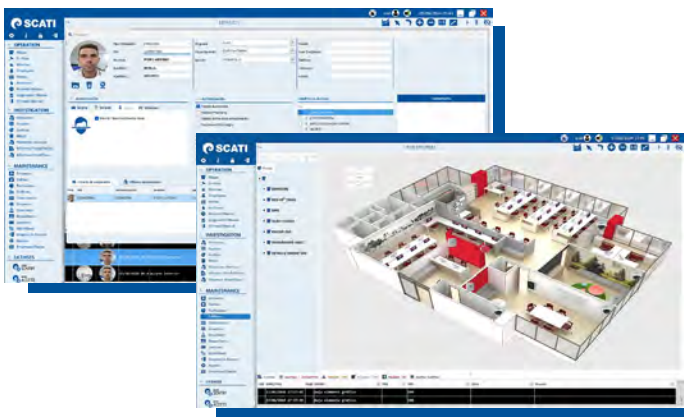
SCATI ACCESS offers its users a solid, reliable and scalable solution to protect their facilities with maximum guarantees, reducing the possibilities of identity theft and guaranteeing, thanks to the centralized management of all door controllers and readers, that only authorized persons can access those areas allowed. It also has a visitor management module that will allow you to guarantee temporary access to service providers and customers in an easy and secure way.



Advanced management with operational flexibility

We understand that every building is unique and that access control needs vary. SCATI ACCESS access management software is designed to enhance the protection, efficiency and peace of mind of security managers. With cutting-edge technology, adaptive flexibility and state-of-the-art security measures, our software platform redefines the way you control access to spaces.

With different versions depending on the size of your facility and the operations you perform, SCATI ACCESS guarantees an uncompromising level of protection. It features high-level data encryption and multi-factor authentication, so you can be sure that only authorized people access your spaces.



Small
facilities



Medium
and large facilities



Big
corporations



Mobile
devices

Controllers and readers



Controllers are the backbone and the key to adaptive security and seamless management of your spaces.

Simplify management of multiple access points and ensure operability because our master controllers store permission and user databases locally, without the need for connection to the main server.



From high security proximity readers to biometric solutions, our state-of-the-art readers adapt to all your needs.

Don't compromise on security or flexibility. With our readers, you can rest assured that you have total control in your hands, no matter which access technology you prefer.

SCATI ACCESS



ACCESS CONTROL

ANALYSIS

The **ACCESS SUITE** is a comprehensive access control solution, consisting of an ecosystem of hardware devices, coupled with a management software platform, **SCATI ACCESS**.

Designed and developed on open standards, this access control software offers our customers a solid, reliable and scalable solution to protect their facilities with maximum guarantees.

A robust access control solution, based on advanced technologies that reduce the possibility of identity theft and ensure that only authorized persons can access permitted areas.

SCATI ACCESS offers different editions with the objective of adapting specifically to the specific needs of each user, always maintaining the maximum scalability to grow at the same pace as the needs of our customers grow.

RELEVANT FEATURES AND FUNCTIONS

- Efficient, robust and scalable management that protects installations with maximum guarantees.
- User roles to customize the available options.
- Import of maps for building management in which to locate objects: reader heads, volumetric readers, facial recognition terminals and any other access control element.
- Objects are associated to the different controllers: facial, Sentry or Access.
- Access groups to facilitate management.
- Employee management where each employee can be assigned a card number and the access group to which he/she belongs.
- Visitor management module where you can register: type of visit, day, where the visitor is allowed to access and whether or not he/she has an associated vehicle.
- Access history and data export.
- Predefined and customizable reports.
- Calendars.
- Visualization of events in real time.
- Control panel, dashboards.

EDITIONS AVAILABLES

- SCATI ACCESS LITE
 - Aimed at the local management of small buildings in terms of the number of access points.
 - This edition facilitates and simplifies deployment in smaller installations, without diminishing the functionality and features available in the PRO edition.
- SCATI ACCESS PRO
 - The PRO edition is oriented to the local control of medium and large buildings, where both the volume of information and the operation tasks are more demanding.
 - It provides the set of tools necessary to specifically meet the highest demands in terms of access control systems.
- SCATI ACCESS CORPORATE
 - The PRO edition is oriented to the local control of medium and large buildings, where both the volume of information and the operation tasks are more demanding.
 - It provides the set of tools necessary to specifically meet the highest demands in terms of access control systems.
- SCATI ACCESS GO
 - Developed for situations where mobility functions are required. The GO edition can be run on mobile devices that support NFC technology as an identification element. It also supports the reading of QR codes through the device's camera.
 - It is fully integrated within the different editions of the ACCESS line (PRO and CORPORATE).

ORDER AVAILABILITY

- **LIC-ACC-LITE Scati Access** software platform for access control. **Lite Series**. Allows the management of up to 20 access points (readers). License includes the use of a simultaneous Scati Access client. Includes SQL Express database.
- **LIC-ACC-PRO Scati Access** software platform for access control. **Pro Series**. Allows management of unlimited access points (readers). Includes license to manage 50 access control points. Expandable by means of additional license. License includes the use of 2 simultaneous **Scati Access** clients. Includes SQL Express database.
- **LIC-ACC-CORPORATE Scati Access** software platform for access control. **Corporate Series**. Allows the management of unlimited access points (readers). The license includes the use of 5 simultaneous Scati Access clients. Includes SQL Server database. Allows federation of **Scati Access** servers (Master-Slaves).
- **LIC-ACC-100** License to manage up to 100 access control readers.
- **LIC-ACC-250** License to manage up to 250 access control readers.
- **LIC-ACC-500** License to manage up to 500 access control readers.
- **LIC-ACC-1000** License to manage up to 1000 access control readers.
- **LIC-VISIT-LITE** Visitor module for access management within the **Scati Access Lite** platform. Multi-seat for up to 1 concurrent client.
- **LIC-VISIT-PRO** Visitor module for access management within the **Scati Access Pro** platform. Multi-seat for up to 2 concurrent clients.
- **LIC-ACC-CLI** Software license to add simultaneous client computer to **Scati Access**.

SCR-MQ-(K)CARD

Multi tech card reader



RELEVANT FEATURES AND FUNCTIONS

- Support RS-485, Wiegand (W26, W34) protocol and OSDP protocol.
- Supports reading Mifare card, Desfire card, and Felica card.
- Tamper-proof function
- Built-in buzzer for status indication
- Outdoor IP65
- Keypad optional



ORDERING INFORMATION

- SCR-MQ-CARD: without keypad
- SCR-MQ-KCARD: with keypad

SCR-MQ-CARD		SCR-MQ-KCARD
SYSTEM		
Processor	32 bits	
AUDIO		
Audio alert	Beeper	
NETWORK		
Communication protocol	RS-485/Wiegand (Set via DIP switch)	
AUTHENTICATION		
Card reading distance	≤ 50 mm (1.97")	
Card radio frequency standard	ISO 14443-A	
GENERAL		
ID Settings	Via DIP Switch	
Indicator	Power indicator; Status LED indicator	
Keypad	Without keypad	With keypad
Power supply	12 VDC, 2 W	
Operating Humidity	10% to 90%	
Operating Temperature	-20 to 65°C (-4°F to 149°F)	
Protection	IP65	
Dimension	123 mm × 88 mm × 21mm	
Installation	Wall Mounting	
Approval	FCC, CE	

SCR-HQ-CARD

Multi tech card reader



RELEVANT FEATURES AND
FUNCTIONS

- Support RS-485.
- Supports transponders: MIFARE Standard Classic - MIFARE DESFIRE EV1 / EV2 - ISO 14443 A/B - ISO 15693
- Support APDU commands
- Standard electrical box or surface mounting with easy wiring.
- Outdoor IP54



SCR-HQ-CARD	
SYSTEM	
Operation frequency	13,56 MHz
RF transmitting power	250 mW ± 2 dB
RF data transfer rate	106 kbit/s
Antenna	70x70 mm, 50 Ohm
Reading distance	Up to 7cm
ALARM	
Alarm I/Ort	2 digital inputs 1 relay output (24V AC/DC 1,5A)
Indicators	Bicolor LED (red, green and orange) and built-in buzzer
Operation modes	ISO Host-mode (data request) and autoresponder mode
NETWORK	
Communication protocol	RS-485, bus up to 32 devices
Transponders supported	ISO14443-A/B complete up to part 4 (MIFARE Classic®, MIFARE® DESFire®, MIFARE Plus®, MIFARE Ultralight®, MIFARE Ultralight®, Smart MX, my-d proximity, my-d move, SLE44R35S, SLE55R, SLE66CL, ST19XR34, etc), ISO15693 (my-d vicinity, I-Code SLI, TagIT HFI, STM LRI512, etc), I-Code 1 and NFC (Type 1, 2 and 4) in card emulation mode.
GENERAL	
Power supply	12-24 V AC/DC, 2.6W
Operating Humidity	95% (non condensing)
Operating Temperature	-25 to 60°C (-13°F to 140°F)
Protection	IP54
Dimension	84 mm × 84 mm × 22 mm (3.31" × 3.31" × 0.87")

ORDERING INFORMATION

- SCR-HQ-CARD



SL-FRW71-10

Face Recognition Terminal for
Wall mounting



RELEVANT FEATURES AND FUNCTIONS

- Wall mounting
- Camera with 2 megapixel
- Up to 10,000 face pictures storage
- Multiple authentication modes
- **Accuracy rate $\geq 99\%$**
- Outdoor (IP65)
- Fingerprint module optional



SL- FRW71-10

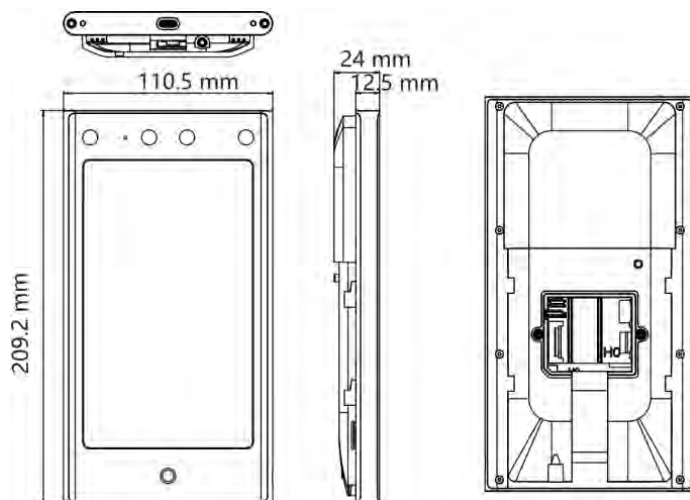
GENERAL	
Screen	7 inch touch screen
Camera	2 MP dual-lens camera
Indicator	Support
Face capacity	10,000
Face recognition duration	< 0.2 s per person Face recognition accuracy rate $\geq 99\%$
Face recognition distance	0.3 to 3 m
Fingerprint capacity	10,000 (installed with SL-FRW71-FINGERB)
Card capacity	50,000
Event capacity	150,000
Card type	Mifare 1 card, DESfire card, Felica card
Card reading duration	< 1 s
Interface	1 x Network 1 x RS-485 1 x Wiegand 1 x USB (for module) 1 x Alarm output 1 x Alarm input 1 x Audio output 1 x Lock output 1 x Door contact input 1 x Exit button 1 x Tamper
Network	10/100/1000 Mbps self-adaptive
Wi-Fi	Not Support
Time synchronization	Support
Two-way audio	Support
Face anti-spoofing	Support
Live view	Support
Audio prompt	Support
Power supply	12 VDC to 24VDC, 2 A
Working humidity	0 to 90% (no condensing)
Working temperature	-30 °C to 60°C (-22 °F to 140 °F)
Protection level	IP65
Dimensions	110.5 mm × 209.2 mm × 24 mm
Weight	Approx 1 kg

ORDERING INFORMATION

- SL-FRW71-10: Up to 10,000 faces



DIMENSIONS



ACCESSORIES



SL-FRW71-FINGERB
Fingerprint module



SL-FRW71-BRACKET
Bracket for turnstiles

SDC-64(x)-RAIL

SDC-64(x)-BOX

Scati Door Controller



SDC-641-RAIL					SDC-642-RAIL	SDC-641-BOX	SDC-642-BOX
SYSTEM							
Addressing		Roto-switch					
Interfaces		1 x Wiegand	2 x Wiegand	1 x Wiegand	2 x Wiegand		
		1 x RS485	1 x RS485	1 x RS485	1 x RS485		
		1 x RS232	1 x RS232	1 x RS232	1 x RS232		
Alarm I/O		6 x Digital Inputs 4 x Digital Outputs (relay) 6Amp					
Firmware		Remote updateable					
Access Point Management		SMC-641-RAIL and SMC-641-BOX: up to 1 reader SMC-642-RAIL and SMC-642-BOX: up to 2 reader					
GENERAL							
Power supply		5 VDC, 1,5 Amp					
Operating Humidity		5% to 90%					
Operating Temperature		-20 to 70°C (-4°F to 158°F)					
Mounting format		DIN RAIL		Metal box with tamper			
Dimension		120 x 210 x 19 mm (4.72 x 8.23 x 0,74")		150 x 240 x 60 mm (5.9 x 9.44 x 2.36")			
Weight		135 g (0.3 lb)		1350 g (2.98 lb)			

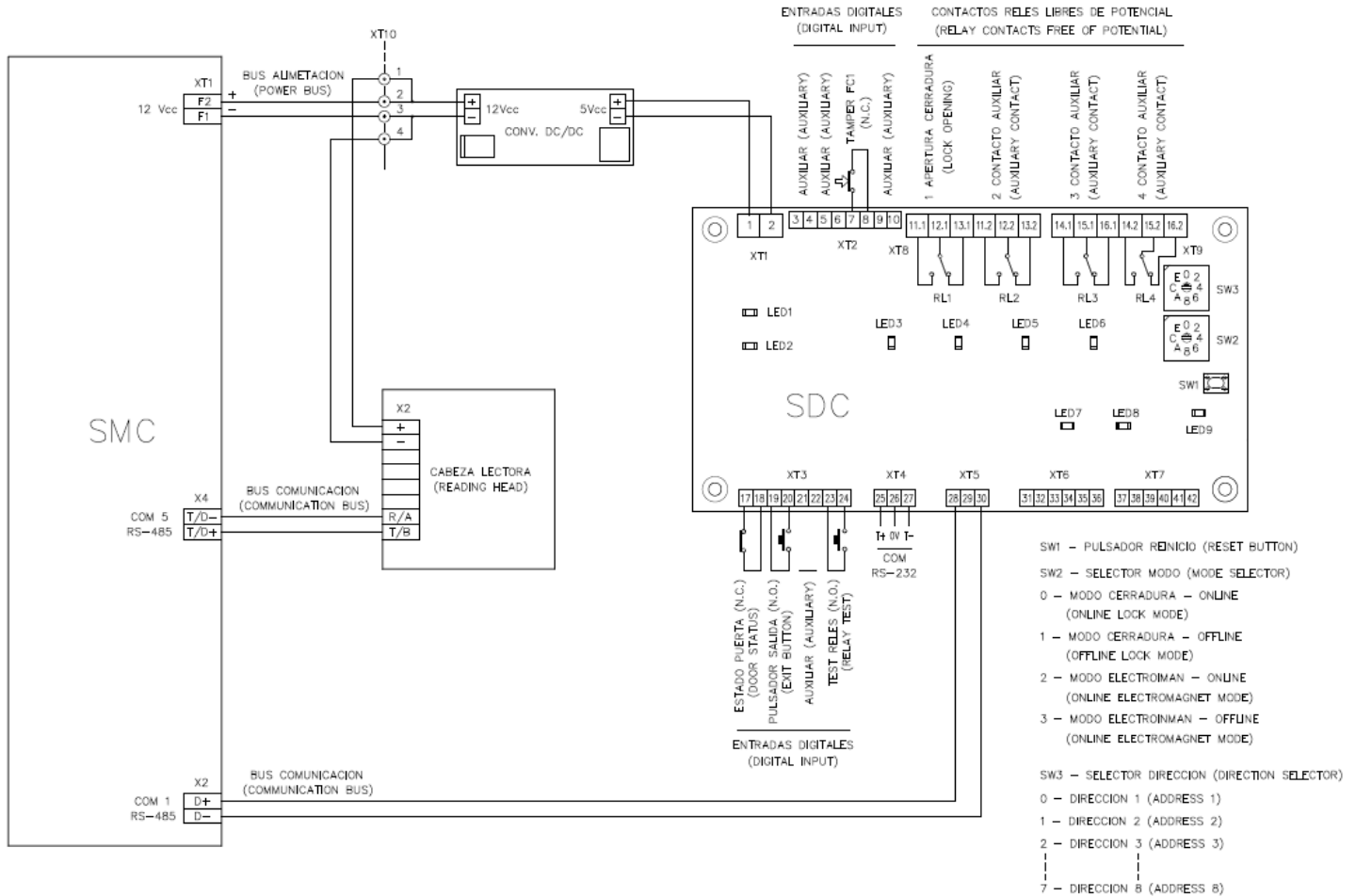
RELEVANT FEATURES AND FUNCTIONS

- The **SCATI DOOR CONTROLLER** (SDC) is a door controller specially designed for the control and decoding of multi tech card readers.
- It has a set of digital inputs and outputs through which the different elements associated with an access point (magnetic contact, electric lock, opening button, etc) can be monitored and controlled.
- The **SCATI DOOR CONTROLLER** works in online mode, connected to the **SCATI MASTER CONTROLLER** family of controllers through an RS485 communications bus.
- Its small size and mounting options, DIN rail and metal enclosure, offer flexibility for installation in different environments.
- It has remote firmware upgrade capability, facilitating the deployment of ad hoc firmware versions according to the needs of singular projects.
- It also offers several software-managed auxiliary inputs and outputs, providing greater flexibility.
- The **SCATI DOOR CONTROLLER** has the capacity to manage an access point in single or dual mode, allowing the connection of two readers (input and output).

ORDERING INFORMATION

- SDC-641-RAIL; 1 reader head, DIN rail
- SDC-642-RAIL; 2 reader head DIN rail
- SDC-641-BOX; 1 reader head, BOX format
- SDC-642-BOX; 2 reader head, BOX format

WIRE CONNEXION



SMC-640(FR)(ACC)-RAIL

SMC-640(FR)(ACC)-BOX

Scati Master Controller



SMC-640FR-RAIL		SMC-640FR-BOX
SMC-640ACC-RAIL		SMC-640ACC-BOX
SYSTEM		
Processor	Intel® ATOM® x6413E 8GB, 128 GB SSD	
Network interface	2 x 2.5 GbE LAN	
Interfaces	2 x USB 3.0 5 x USB 2.0 4 x COM	
Capacity	500.000 events 500.000 cards	
Protocols	HTTPS (TLS), DHCP, DNS	
Firmware	Remote updateable	
Access Point Management	SMC-640FR-(XXX): up to 4 face recognition terminals SMC-640ACC-(XXX): up to 8 door controllers	
GENERAL		
Power supply	9 – 24 VDC	
Operating Humidity	5% to 90%	
Operating Temperature	-20 to 70°C	
Mounting format	DIN RAIL	Metal box with tamper and battery
Dimension	88 x 102 x 17 mm	400 x 360 x 130 mm

RELEVANT FEATURES AND FUNCTIONS

- **SCATI MASTER CONTROLLER (SMC)** is an access controller, prepared to operate in a network, supporting up to a maximum of 4 face recognition terminals or 8 door controllers of the **SCATI DOOR CONTROLLER (SDC)** family.
- Its performance and technical features correspond to the most demanding requirements of access control environments for enterprise applications.
- It is supported by a software platform based on a Windows 10 IoT operating system, enhancing the security and scalability of the system.
- The **SMC** has an Intel® / ATOM® processor family and includes two gigabit network ports for primary and secondary communication with the host.
- All network communications are done through HTTPS (TLS) encrypted protocol, protecting the controller against potential network threats, as well as facilitating the implementation of the controller in compliance with the highest security standards within companies.
- It supports both static and dynamic IP addresses, using DHCP and DNS to simplify network installation. It has the necessary mechanisms to perform software updates remotely.
- The **SMC** offers full functionality to work both online and offline.
- It has a copy of the databases of employees, visitors and contractors, as well as all their associated parameters (schedules, calendars, access groups, etc.) facilitating decision making without the need to consult the **SCATI ACCESS** server.
- In the case of offline working mode, it offers storage of the history of records for later downloading them once the connection to the server has been re-established.
- Mounting options: DIN rail and metal enclosure.

ORDERING INFORMATION

- SMC-640FR-RAIL: Up to 4 face recognition terminals, DIN rail
- SMC-640ACC-RAIL: Up to 8 door controller terminals, DIN rail
- SMC-640FR-BOX: Up to 4 face recognition terminals, BOX format
- SMC-640ACC-BOX: Up to 8 door controller terminals, BOX format

VIDEO SURVEILLANCE SUITE VISION

A tailor-made solution

The VISION SUITE is the result of more than 25 years of continuous work, evolving thanks to the particular needs and requirements of our customers. An open and integrable platform equipped with the latest in Artificial Intelligence following the strictest standards of the IT and cybersecurity world.



**Complete CCTV
solution**



**Open, flexible
and scalable**



Customizable



**Robust, stable
and safe**



**Quick return
on investment**



**Operational business
intelligence**

It is a complete solution for intelligent video surveillance that includes all the elements, systems and software you may need. A wide range of IP cameras with built-in AI, different recording server options, a VMS (Video Management System) software that allows advanced management of the platform, as well as Business Intelligence (BI) and Big Data software modules or AI server analytics that complement and elevate our proposal to a higher level.

Bet safely on the ideal solution for organizations that need to manage the security of multiple locations, with hundreds, and even thousands of surveillance cameras, in an agile, simple and reliable way.

RECORDING SERVERS SCATI VISION

High performance, high reliabili-

Based on IP technology and within the VISION SUITE, these recorders are powerful recording systems capable of recording and managing up to 512 cameras simultaneously on a single server.

All SCATI VISION recorders work with the H.265 compression format, ideal for optimizing the storage and transmission of images over the network, allowing configurable storage with disks specifically manufactured for use in video surveillance.

Image management can be performed locally, either directly through the recorder's own SCATI VISION software or through the SCATI TOUCH application on a touchscreen monitor. It is also possible to remotely manage the recorders and images through the SUITE VISION VMS.



MINI SERIES



PRO SERIES



ENTERPRISE SERIES



KRAKEN SERIES



RECORDER



ANALYSIS

Based on IP technology and within the **VISION SUITE**, these units are small NVRs, ideal for small installations that do not require more than 3 IP cameras.

As the recording needs are different in each project and in each client, using cameras of higher or lower resolution, having to record for longer or shorter periods of time, continuously or by events, all **SCATI VISION** recorders allow configurable storage with disks specifically manufactured for use in video surveillance.

The use of H.265 compression algorithms means that the images stored in the recorders require less storage (up to 40% less compared to other manufacturers using H.264) and that the transmission of images over the network can be carried out in a much lighter and smoother way.

RELEVANT FEATURES AND FUNCTIONS

- Built on Linux, they are part of a fully scalable solution and are designed to work with any ONVIF camera.
- Management of up to 3 megapixel cameras with total stability.
- 4 RJ-45 Gigabit PoE ports.
- Incorporate advanced image processing algorithms.
- Supports one 2.5" HDD disk and up to 2TB of storage.
- Maximum throughput of 62 Mbps.
- They incorporate functionalities that allow continuous monitoring of their health and operation. In case of failure, they notify technical alarms.
- They allow simultaneous video server to multiple clients and limit the transmission of information according to the available bandwidth.
- Highly compact format, efficient heat dissipation design (fanless technology) and absence of ventilation elements.
- Robust and perfect to be the ideal solution for ATMs.



VSJ-LXU-N04

SYSTEM

Type of server	IP server
Operating system	Linux Operating System in 64 GB SSD
Processor	Intel Celeron J3455 Apollo Lake SOC Processor, 1.50GHz, 1M Cache
Memory	4 GB
Network interface	4 Gigabit LAN RJ-45 ports (Intel i211AT) PoE Ports 48V/2A power supply included to power the PoE ports
Throughput	Up to 62 Mbps
USB	2 x USB ports 2.0 2 x USB ports 3.0
Serial port	1 x RS-232 (COM)
Video outputs	1 x HDMI
Storage *	1 x 2.5" HDD up to 2TB storage
Sensors	Up to 20 programmable inputs, via optional external device
Relays	Up to 20 programmable outputs, via optional external device

MECHANICAL

Form factor	Compact
VESA bracket	Yes
Dimensions	53 H x 187 W x 111 D mm.
Net weight	1 Kg

ELECTRICAL

Power supply	External power supply
Power input	12 V DC, 4 A
Operating conditions	0°C - 50°C (extended to 70°C with SSD) Humidity: 10% - 90% non-condensing
Cooling system	Fanless High-efficiency heat-dissipating system

CERTIFICATIONS

Certifications	FCC, CE, RoHS, NDA
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ORDERING INFORMATION

- **VSJ-LXU-N04:** Video recorder-player and editor for 3 IP cameras. Up to 2 TB storage.
*SSD storage available

VSJ-LXU-B01



RECORDER



ANALYSIS

Based on IP technology and within the **SUITE VISION**, these are small NVRs, ideal for small installations that do not require more than 4 IP cameras.

As the recording needs are different in each project and in each customer, using cameras of higher or lower resolution, having to record for longer or shorter periods of time, continuously or by events, all SCATI VISION recorders allow configurable storage with disks specifically manufactured for use in video surveillance.

The use of H.265 compression algorithms means that the images stored in the recorders require less storage (up to 40% less compared to other manufacturers using H.264) and that the transmission of images over the network can be carried out in a much lighter and smoother way.

RELEVANT FEATURES AND FUNCTIONS

- Built on Linux, they are part of a fully scalable solution and are designed to work with any ONVIF camera.
- Management of up to 4 megapixel cameras with total stability.
- Advanced image processing algorithms incorporated.
- 1 3.5" surveillance HHD disk and up to 8TB of storage.
- Maximum throughput of 62 Mbps.
- Functionalities that allow continuous health and operational monitoring are incorporated. In case of failure, they notify technical alarms.
- They allow simultaneous video server to multiple clients and limit the transmission of information according to the available bandwidth.
- Highly compact format, efficient heat dissipation design (fanless technology) and absence of ventilation elements.
- Robust and perfect equipment to be the ideal solution for ATMs.



VSJ-LXU-B01

SYSTEM	
Type of server	IP server
Operating system	Linux, Ubuntu 22.04
Processor	Intel Celeron 3955U dual core 2 GHz
Memory	4 GB
Network interface	4 Gigabit PoE RJ45 (supports 802.3af standard) 1 Gigabit RJ45
Throughput	Up to 62 Mbps
USB	4 USB ports 3.0
Serial Port	2 (COM1/COM2)
Video outputs	1 HDMI 1 VGA
Audio	1x Minijack 3,5mm in 1x Minijack 3,5mm out
Storage	Up to 1 3.5" surveillance HDD Up to 8 TB storage
Sensors	Dry contacts. 12-30VDC Up to 16 programmable inputs
Relays	Dry contacts. Up to 16 programmable outputs
MECHANICAL	
Form factor	Compact
Dimensions	70.5 H x 237 W x 164 D mm
Net weight	2.3 Kg
ELECTRICAL	
Power supply	External power supply
Power input	9-36 V DC
Power consumption	≤ 60W
Operating conditions	0°C - 50°C (extended -20° - 60°C with SSD) Humidity: 5% - 95% non-condensing
Cooling system	Fanless High-efficiency heat-dissipating system
CERTIFICATIONS	
Certifications	FCC, CE, NDA

ORDERING INFORMATION

- VSJ-LXU-B01 Video recorder-player and editor for 4 cameras. Up to 8TB storage.



RECORDER

ANALYSIS

Based on IP technology and within the **SUITE VISION**, these NVRs of up to 32 cameras have an integrated PoE switch to facilitate the commissioning of the cameras connected directly to the equipment, which provides significant cost savings.

As the recording needs are different in each project and in each customer, using cameras of higher or lower resolution, having to record for longer or shorter periods of time, continuously or by events, all SCATI VISION recorders allow configurable storage with disks specifically manufactured for use in video surveillance.

The use of H.265 compression algorithms means that the images stored in the recorders require less storage (up to 40% less compared to other manufacturers using H.264) and that the transmission of images over the network can be carried out in a much lighter and smoother way.

RELEVANT FEATURES AND FUNCTIONS

- Built on Linux, they are part of a fully scalable solution and are designed to work with any ONVIF camera.
- Management of up to 32 megapixel cameras with total stability.
- PoE switch integrated in the equipment with up to 16 PoE ports.
- Advanced image processing algorithms incorporated.
- Up to 4 3.5" HDD surveillance disks and up to 40TB of storage
- Maximum throughput of 279 Mbps.
- Functionalities that allow continuous health and operational monitoring are incorporated. In case of failure, they notify technical alarms.
- They allow simultaneous video server to multiple clients and limit the transmission of information according to the available bandwidth.
- Format designed specifically for large distributed installations.



VSJ-LXU-G508



VSJ-LXU-G516

VSJ-LXU-G508		VSJ-LXU-G516	
SYSTEM			
Type of server	IP server		
Operating system	Linux Operating System in 128 GB SSD		
Processor	Intel® Celeron® Processor 6305E		
Memory	8 GB		
Network interface	2x RJ-45 10M/100M/1000M self-adaptive Ethernet		
Built-in Switch PoE	8x RJ-45 10/100Mbps PoE ports Consumption: ≤ 220W	16x RJ-45 10/100Mbps PoE ports Consumption: ≤ 220W	
PoE protocols	IEEE 802.3 af/at		
Throughput	Up to 279 Mbps		
USB	Front panel: 2 × USB 2.0 Rear Panel: 2 × USB 3.0; 2 × USB 2.0		
Serial port	1 port RS-232		
Video output	1x VGA (resolution: 1920 x 1080/60Hz) 2x HDMI (resolution: 1920 x 1080, 4K)		
Storage	4x 3.5" SATA surveillance HDD Max. 40 TB storage		
Audio I / O	1x 3.5 mm audio input connector 1x 3.5 mm audio output connector		
Sensors	Dry contact, max. load 1A 12DC. Up to 16 programmable inputs, expandable to 20 via optional external I/O module.		
Relays	Dry contact Up to 4 programmable outputs, expandable to 20 via optional external I/O module.		
MECHANICAL			
Format	1.5U Full Rack		
Dimensions	440 x 400 x 67 mm (17.3"× 15.7" × 2.6")		
Net weight	≤ 5 Kg (11 lb)		
ELECTRICAL			
Power system	Internal power supply		
Input power	100 – 240 V AC, 50/60 Hz		
Power consumption	≤ 280W (without hard disk)		
Operation temperature	Operating temperature: 0 to +40° C (+32 to +104° F)		
Humidity	Operating humidity: 10 to 90 % (non-condensing)		
CERTIFICATIONS			
Certifications	FCC, CE, RoHS		

ORDERING INFORMATION

- **VSJ-LXU-G508** Video recorder-player and editor for 8 cameras. Expandable up to 16 IP channels with software license. Up to 40TB storage. Switch PoE integrated in the recorder.
- **VSJ-LXU-G516** Expandable up to 32 IP channels with software license. Up to 40TB storage. Switch PoE integrated in the recorder.
- **LIC-IP-1CH** Software licenses on SCATI VISION recorder/server. 1 additional IP channel.

VSJ-LXU-K724



RECORDER



ANALYSIS

Based on IP technology and within the **SUITE VISION**, these NVRs of up to 64 cameras have an integrated PoE switch to facilitate the commissioning of the cameras connected directly to the equipment, which provides significant cost savings.

As the recording needs are different in each project and in each customer, using cameras of higher or lower resolution, having to record for longer or shorter periods of time, continuously or by events, all **SCATI VISION** recorders allow configurable storage with disks specifically manufactured for use in video surveillance

Its design maximizes uninterrupted operation in the event of failures by implementing hardware redundancy in its components and RAID 5 storage configuration, making it ideal for mission-critical video surveillance operations.

The use of H.265 compression algorithms means that the images stored in the recorders require less storage (up to 40% less compared to other manufacturers using H.264) and that the transmission of images over the network can be carried out in a much lighter and smoother way.

RELEVANT FEATURES AND FUNCTIONS

- Built on Linux, they are part of a fully scalable solution and are designed to work with any ONVIF camera.
- Management of up to 64 megapixel cameras with total stability.
- Manageable PoE switch integrated in the equipment with up to 24 PoE ports.
- Advanced image processing algorithms incorporated.
- Up to 8 3.5" surveillance HDD disks and up to 80TB of storage.
- Hot-swappable Drives.
- Maximum throughput of 640 Mbps.
- Supports HDD hot swap with RAID0, RAID1, RAID5 and RAID10 storage scheme configurable.
- Functionalities that allow continuous health and operational monitoring are incorporated. In case of failure, they notify technical alarms.
- They allow simultaneous video server to multiple clients and limit the transmission of information according to the available bandwidth.
- Format designed specifically for large distributed installations.



VSJ-LXU-K724

SYSTEM

Type of server	IP server
Operating system	Linux Operating system in 64 GB SSD
Processor	Intel® Skylake® Processor i7
Memory	8 GB
Network interface	4x RJ-45 10M/100M/1000M self-adaptive Ethernet
Built-in Switch PoE	24x RJ-45 10/100Mbps PoE Ports Manageable switch
PoE Protocols	IEEE 802.3 af/at
Throughput	Up to 640 Mbps
USB	Front panel: 2 x USB 2.0; 1 x USB 3.0 Rear panel: 2 x USB 3.0
Video Output	2x HDMI Up to 4096x2160 @24Hz or 2560x1600 @60Hz (HDMI 1.4) 1x Display Port Up to 4096x2304 @60Hz
Audio I/O	1x 3.5 mm audio input 1x 3.5 mm audio output
Sensors	Dry contact, max. load 1A 24VDC. Up to 4 programmable inputs, expandable to 20 via optional external I/O module.
Relays	Dry contact. Up to 4 programmable outputs, expandable to 20 via optional external I/O module.

STORAGE

Internal storage	Up to 8x 3.5" SATA Surveillance HDD Max. 80 TB storage (without applying RAID)
eSATA	1x eSATA
RAID type	RAID 0, 1, 5, 10 Hot-swappable Drives
Hot-Swap	3.5" SATA Hot-swap drive bays

MECHANICAL

Form factor	2U Rack
Dimensions	428 x 435 x 88 mm
Net weight	7.5 Kg (without discs)

ELECTRICAL

Power supply	Internal power supply
Power input	100 – 240 V AC
Power consumption	≤ 280W (without HDD, without PoE)
Working temperature	0 to +40° C (+32 to +104° F)
Working humidity	10% to 90 % (non-condensing)

CERTIFICATIONS

Certifications	FCC, CE, RoHS, NDA
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ORDERING INFORMATION

- VSJ-LXU-K724** Video recorder-player and editor for 32 IP cameras. Expandable up to 64 IP channels with software license SCATI VISION LIC-IP-1CH. Up to 80 TB storage. Switch PoE integrated in the recorder.
- LIC-IP-1CH** Software licenses on SCATI VISION recorder/server. 1 additional IP channel.



KRAKEN



ANALYSIS

Based on IP technology and within the **VISION SUITE**, **KRAKEN** is a professional recording platform designed for complex security projects with thousands of cameras installed in different types of environments and a single mass recording system.

KRAKEN maximizes uninterrupted operation in the event of failures thanks to its hardware redundancy implementation and RAID 6 configuration, making it ideal in mission-critical video surveillance operations.

KRAKEN is perfectly integrated with **SCATI** Control Centre applications, providing an optimum complete video surveillance solution for enterprise-class facilities.

The efficient storage architecture, with up to 3 secondary chassis for each server, offers maximum storage per block with a single controller.

The use of H.265 compression algorithms means that the images stored in the recorders require less storage (up to 40% less compared to other manufacturers using H.264) and that the transmission of images over the network can be carried out in a much lighter and smoother way.

RELEVANT FEATURES AND FUNCTIONS

- Built on Linux, they are part of a fully scalable solution and are designed to work with any ONVIF camera.
- Modular architecture: each recording server can be connected to up to 3 cascaded storage chassis, with up to 576 TB per server.
- Each **KRAKEN** server is able to support up to 256 megapixel cameras with a throughput of 1 Gbps.
- The large number of cameras managed by each server reduces costs by lowering the number of devices per camera, and also leads to savings in power, space and maintenance.
- Its RAID 6 storage configuration protects the system in the event of failure while maximizing disk space.
- Designed to provide mission-critical facilities with full reliability, maximizing the continuous operation time of the system thanks to the redundancy of power supply, network card and cooling system.
- They incorporate functionalities that allow continuous monitoring of their health and operation. In case of failure, they notify technical alarms.
- They are capable of simultaneously serving multiple clients and limiting the transmission of information according to the available bandwidth.



VSK-LXU-SM1		VSK-LXU-SM2		VSK-LXU-SM4	
SYSTEM					
Box	KRAKEN server				
Type of server	IP server				
HBA	ARC-1883i (8 int)	ARC-1883LP (4 int / 4 ext)		ARC-1883LP (4 int / 4 ext)	
Operating system	Linux on 64 GB SSD				
Processor	Intel® Xeon® Skylake or similar				
Memory	16 GB				
Network interface	2 Gigabit LAN RJ-45 ports	4 Gigabit LAN RJ-45 ports			
Throughput	Up to 1 Gbps				
USB	4 x USB ports				
Serial port	1 x serial port				
Video inputs	Up to 256 IP channels				
Video outputs	1 x VGA				
Sensors	Up to 20 programmable inputs, via optional external device				
Relays	Up to 20 programmable outputs, via optional external device				
STORAGE					
Internal storage	Up to 8 x 3.5" SAS3 HDDs, (up to 10 TB each) Up to 80 TB raw	Up to 12 x 3.5" SAS3 HDDs, (up to 10 TB each) Up to 120 TB raw	Up to 24 x 3.5" SAS3 HDDs, (up to 10 TB each) Up to 240 TB raw		
External storage	Not supported	Up to 3 external SAS storage units Max. 552 TB raw storage per block	Up to 3 external SAS storage units Max. 672 TB raw storage per block		
Network storage technology	SAS 3.0				
Storage redundancy	RAID 6 configuration Hot-swappable Drives				
Hot-Swap	3.5" SAS / SATA Hot-swap drive bays				
Backplane	2U SAS backplane w/ Enclosure Management	2U expander SAS/SATA backplane	4U expander SAS/SATA backplane		
MECHANICAL					
Form factor	2U, rack mount			4U, rack mount	
Dimensions	437 W x 89 H x 648 D mm			437 W 178 H x 660 D mm	
Net weight (without disks)	23.6 Kg	20.9 Kg		34 Kg	
ELECTRICAL					
Power supply	740 W redundant high-efficiency (94 %) power supply with PMBus	920 W redundant high-efficiency (94 %) power supply with PMBus	1280 W redundant high-efficiency (94 %) power supply with PMBus		
Power input	100 - 240 V AC, 50 - 60 Hz				
Cooling system	3 x 80 x 38 mm 4-pin PWM Fans	3 x 80 mm 7K RPM chassis middle fan w/ housing	3 x 80mm Hot-swap 4-pin PWM Fans 2 x 80mm Rear-exhaust 4-pin PWM Fans		
ENVIRONMENTAL					
Operating temperature	5°C - 35°C (41°F - 95°F)				
Operating humidity	8% ~ 90% (non-condensing)				
CERTIFICATIONS					
Certifications	FCC, CE, RoHS, NDAA				



ST-iSAS

EXTERNAL STORAGE CHASIS

Box	ISCSI secondary chassis
HBA	NA
Storage	24/48/72/96 HDD up to 6 TB each 144 TB raw total
Host interface	2x 6-Gb SAS
HDD interface	6-Gb SAS 24x 3.5" SAS2 / SATA3 HDDs
Form factor	4U rack-mountable
Dimensions	4U x 660 mm
Net weight (without disks)	34 Kg
Power supply	2x 900 W High Efficiency Power Supply 100 - 240 V AC, 50 - 60 Hz
Operating conditions	5°C - 35°C Humidity: 20% - 80%, non-condensing
Certifications	FCC, CE, RoHS

ORDERING INFORMATION

- **VSK-LXU-SM1:** Video recorder-player and editor for 64 IP cameras. Expandable up to 256 IP cameras via software licenses SCATI VISION LIC-IP-1CH. Up to 80 TB storage.
- **VSK-LXU-SM2:** Video recorder-player and editor for 64 IP cameras. Expandable up to 256 IP cameras via software licenses SCATI VISION LIC-IP-1CH. Up to 120 TB storage.
- **VSK-LXU-SM4:** Video recorder-player and editor for 128 IP cameras. Expandable up to 256 IP cameras via software licenses SCATI VISION LIC-IP-1CH. Up to 240 TB storage.
- **SL-iSAS:** Secondary chassis for external storage via SAS. Up to 144 TB storage. Up to 3 cascaded storage chassis can be directly connected to SM2 or SM4 KRAKEN servers using SAS technology.
- **LIC-IP-1CH:** Single IP recording license for SCATI VISION recorder.

IP-IO-MOD-(E)(A)

IP Module for I/O



RELEVANT FEATURES AND
FUNCTIONS

- IP 8 input
- IP 8 output
- I/O connexion pair
- Communication security through TCP protocol
- Built-in Web server
-
- Optical isolation for 2500 V DC

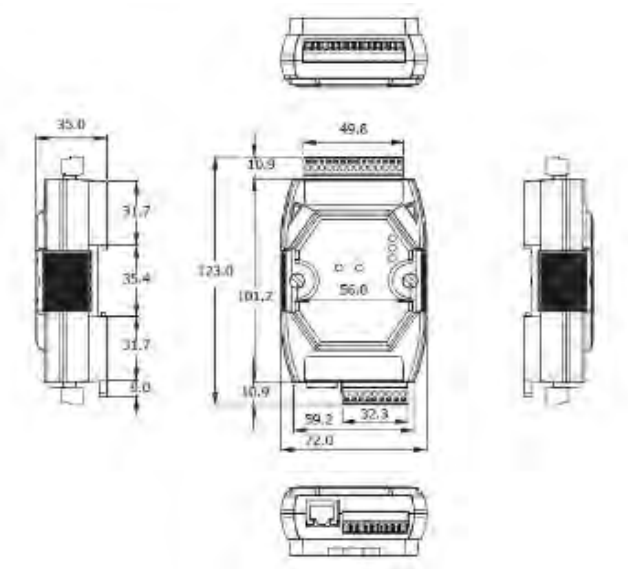


IP-IO-MOD	
DIGITAL INPUTS	
Channels	8
Contact	Wet contact
ON voltage level	10 V DC ~ 50 V DC
OFF voltage level	4 V DC max.
Input impedance	10 KΩ
Counters	Max. Cont. 4,294,967,295 (32 bits) Max. Input Frequency: 500 Hz Min. Pulse Width: 1 ms
Overvoltage Protection	70 V DC
DIGITAL OUTPUTS	
Channels	8
Type	Isolated Open Collector
Max. load current	650 mA/channel at 25 °C
Load Voltage	10 V DC ~ 40 V DC
Overvoltage protection	47 V DC
Short-circuit Protection	Yes
Power-on value	Yes, Programmable
Safe value	Yes, Programmable
COMMUNICATIONS	
Built-in web server	Yes
Web HMI	Yes
I/O pair connexion	Yes
Ethernet port	1 x RJ-45, 10/100 Base-TX
Protocols	ModBus/TCP, ModBus/UDP
Security	ID, Password and IP filter
Dual Watchdog	Yes, Module (0.8 second), Communication (Programmable)
GENERAL	
LED indicators	System running Ethernet Link/Act
2-Way isolation	Ethernet: 1500 V DC I/O: 2500 V DC
EMS protection	ESD (IEC 61000-4-2): ±4KV Contact for Each Terminal, ±8 kV Air for Random Point EFT (IEC 61000-4-4): ±4 KV for power line Surge (IEC 61000-4-5): ±0.5 KV for power line
Electrical protection	Reverse polarity protection
Power supply	10 V DC - 30 V DC
Power consumption	2.5 W Max.
Operating conditions	-25°C - +75°C Humidity: 10 – 90%, non condensing
Storage Temperature	-30°C - +80°C
Dimensions	72 mm W x 123 mm H x 35 mm D
Installation	DIN-Rail or wall mounting

ORDERING INFORMATION

- IP-IO-MOD-E: European connector
- IP-IO-MOD-A: American connector

DIMENSIONS



WIRE CONNEXION

Digital Input/Counter	Readback as 1	Readback as 0
	+10 ~ +50 Vdc	OPEN or <4 Vdc
Sink		
Source		
Digital Output	ON State Readback as 1	OFF State Readback as 0
Source		

RS-IO-MOD-(E)(A)

Serial Module for I/O



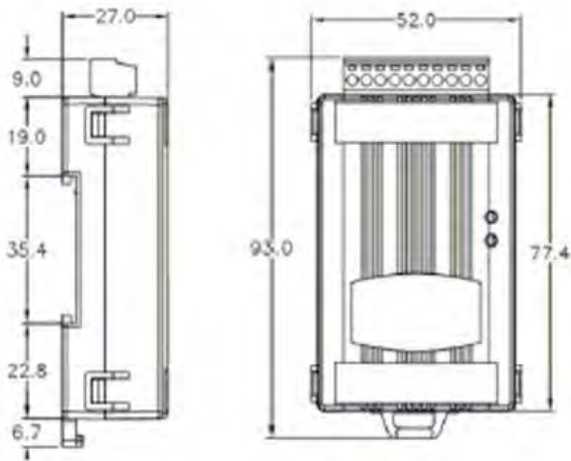
RELEVANT FEATURES AND
FUNCTIONS

- 4 sensor / 4 relay serial module
- RS-232 and RS-485 connexions
- supports DCON protocol
- fully integrated with SCATI applications



RS-IO-MOD	
INPUTS	
Channels	4
ON Voltage level	3.5 V - 30 V
OFF Voltage level	1 V máx.
Input impedance	3 KΩ, 0.33 W
OUTPUTS	
Channels	4
Type	Open collector
COMMUNICATIONS	
Protocols	Supports DCON protocol
Data transmission speed	9600 bps
Bus connexion	Up to 5 modules can be connected by bus. (only with RS-485 connexion)
GENERAL	
Connexions	RS-232/RS-485
LED indicators	LED operation indicator
Power supply	10 V DC - 30 V DC
Power consumption	0.5 W max.
Operating temperature	-25°C - 75° C

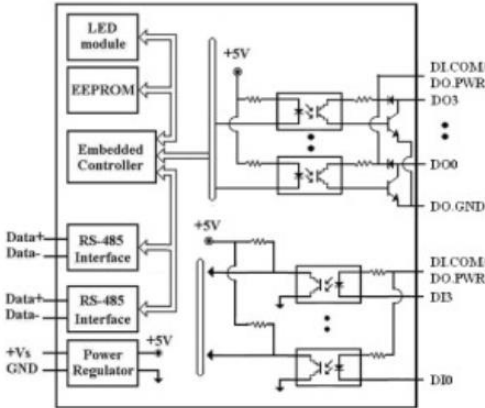
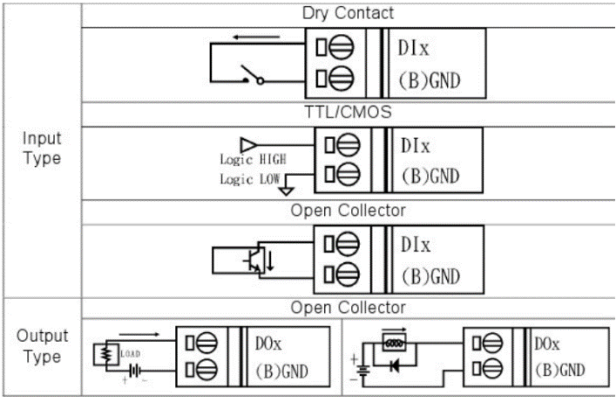
DIMENSIONS



ORDERING INFORMATION

- RS-IO-MOD-E: Conector europeo
- RS-IO-MOD-A: Conector americano

WIRE CONNEXION



SL-PTZ1016C

Telemetry keyboard for PTZ cameras



SL-PTZ1016C	
GENERAL	
LCD screen	128 x 64 pixel screen
Joystick	4-axis joystick
Control mode	Control mode
Serial interface	1 x RS-232 1 x RS-422 1 x RS-485
USB interface	1 x USB 2.0
Power supply	12 VDC
Consumption	≤ 4.5 W
Working temperature	-10°C to +50°C (14 to 131° F)
Working humidity	10% to 90%
Dimensions (WxDxH)	435 × 193 × 110 mm (17.1 × 7.6 × 4.3 inch)
Weight	≤ 1 kg (2.2 lb)

RELEVANT FEATURES AND FUNCTIONS

- Keyboard to control PTZ dome cameras
- Joystick 4 axis
- 128 x 64 LCD screen
- Connection RS-485
- Ergonomic design



ORDERING INFORMATION

- SL-PTZ-1016C

SL-SW0109

Unmanaged PoE switch



SL-SW0109	
PORT	
Network ports	9
10/100 Mbps RJ45	8
Uplink ports	2
Operating modes	VLAN (Isolated Port) NOM (Normal Mode) SUPM (Extended Mode) 250m)
POE POWER	
PoE Standard	IEEE 802.3at PoE+ IEEE 802.3af PoE
PoE Port	1-8
PoE Power Budge	Up to 96 W total
Maximum Port Output	Up to 30 W per port 1-8
GENERAL	
Power input	DC 52 V / 1.85 A (external power supply included)
Working temperature	0° C - 40° C
Dimensions	94 (D) x 27 (H) x 184 (W) mm
Weight	1.15kg

RELEVANT FEATURES AND FUNCTIONS

- Unmanaged PoE switch
- 8 ports 100 Mbps
- 2 uplinks ports
- Up to 96W power budget
- IEEE 802.3at PoE+ / IEEE 802.3af PoE.



ORDERING INFORMATION

- SL-SW0109

SL-SW0318

Unmanaged PoE switch



RELEVANT FEATURES AND FUNCTIONS

- Unmanaged PoE switch
- 16 x PoE ports
- 2 x Uplink RJ-45 ports
- 1 x Uplink SFP port
- Up to 300W power budget
- HiPoe / IEEE 802.3at PoE+ / IEEE 802.3af PoE.



ORDERING INFORMATION

- SL-SW0318

SL-SW0318	
PORT	
Network ports	18
PoE ports	14 x PoE+ 30W 802.3af/at RJ45 10/100 Mbps 1 x Hi-PoE 60W 802.3af/at/bt RJ45 10/100
Hi-PoE	1 x Hi-PoE 60W 802.3af/at/bt RJ45 10/100/1000
Uplink RJ45	2 x 10/100/1000Mbps
Uplink SFP	1 x 10/100/1000Mbps
Operating modes	VLAN (Isolated Port) NOM (Normal Mode) SUPM (Extended Mode) 250m
POE POWER	
PoE Standard	Hi-PoE IEEE 802.3at PoE+ IEEE 802.3af PoE
PoE Power Budge	Up to 300 W total
Maximum Port Output	Up to 60W (Hi-POE) Up to 30 W (POE)
GENERAL	
Power input	90 – 240 V
Working temperature	-30° C to 60° C
Dimensions	430 (D) x 45 (H) x 180 (W) mm
Weight	2,65 Kg

SL-SW0427

Unmanaged PoE switch



RELEVANT FEATURES AND FUNCTIONS

- Unmanaged PoE switch
- 24 ports 100 Mbps
- 2 Gigabit ports
- 2 SFP port
- Up to 300W power budget
- IEEE 802.3at PoE+ / IEEE 802.3af PoE.



ORDERING INFORMATION

- SL-SW0427

SL-SW0427	
PORT	
Network ports	28
10/100 Mbps RJ45	24
10/100/1000 Mbps RJ45	2
1000 Mbps SFP	2
Transmission distance	Ports 1~24 130 m 10/100Mbps, 250 m 10 Mbps
POE POWER	
PoE Standard	IEEE 802.3at PoE+ IEEE 802.3af PoE
PoE Port	1-24 Ports 1~22 PoE+ Up 30W 802.3af/at Ports 23~24 Hi-PoE Up to 60W 802.3af/at/bt
PoE Power Budge	Up to 300 W total
Uplink ports	RJ45 25~26: 10/100/1000Mbps uplink ports SFP 27~28: 10/100/1000Mbps SFP uplink ports
GENERAL	
Power input	90-240 V
Working temperature	-30° C - 60 C
Dimensions	180 (D) x 45 (H) x 440 (W) mm
Weight	2.65 Kg

CENTRALIZED MANAGEMENT SCATI VMS

The VMS adapted to your security management

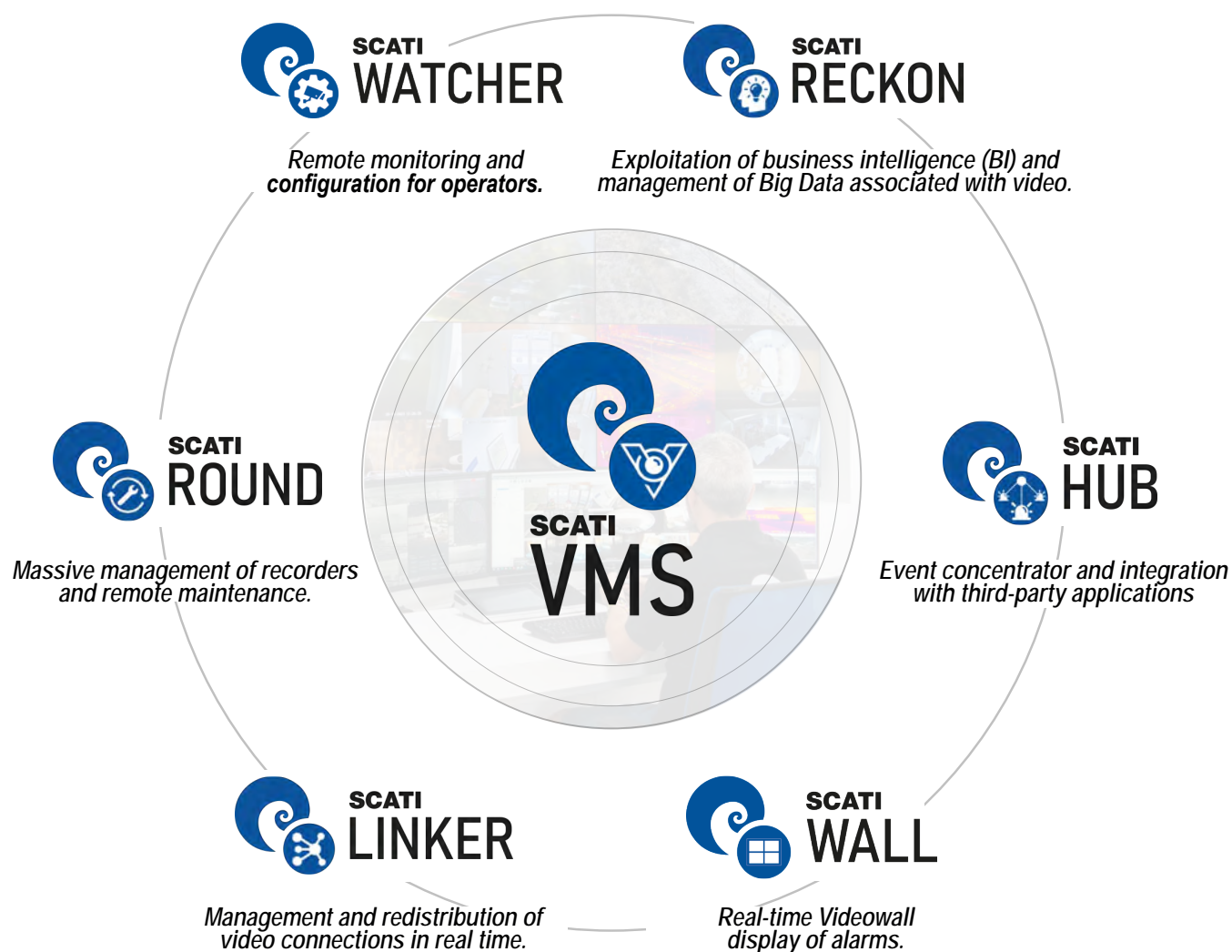
SCATI VMS is a powerful software for remote and centralized management of the video surveillance system. Its multiple functionalities cover all the needs of a professional security operator. With this tool you can improve coordination between teams, facilitate the collection of forensic evidence and reduce operational costs associated with the security area. Work smarter and with less effort.

Thanks to the different customizable software modules that make up the SCATI VMS, organizations can get the tailored suit they want.

All these modules have configurable functionalities and offer a large number of default features already in their base version. In SCATI's consulting work, the user transmits us their most specific needs and it is then when we are able to develop that tailor-made suit, adapting each module to the client's operations.



Highly scalable centralized operation



The evolution of systems in organizations must take into account factors such as growth, change management and scenarios with high levels of uncertainty.

The modularity of SCATI VMS allows the solution to grow gradually, taking into account the needs of users at all times and the operation that best suits those needs. In this way, it will allow them to move forward in a much more flexible and scalable way, also providing a significant improvement in security levels, since through this modular architecture, different types of access can be managed for each of the modules that make up SCATI VMS.



OPERATION



ANALYSIS

SCATI WATCHER is a powerful application for easy remote management of the entire pool of video recorders. Its wide range of functions are easily accessible from a user-friendly interface and cover all the needs of a professional security operator.

SCATI WATCHER is the ideal tool for forensic searches thanks to its advanced filters by video sensors, third-party alarms, schedules, association with maps, etc. It is also equipped with functions for preventive maintenance of video recorders.

Operators can use **SCATI WATCHER** for real time monitoring of camera matrices, with automatic pop-up windows that display videos associated with alarms. Thanks to telemetry control, digital zoom and other features, operator can quickly respond to incidents.

Thanks to its unique combination of efficiency, adaptability and easy operation, **SCATI WATCHER** is the perfect tool for day-to-day management of a large pool of video recorders. It can be used for remote configuration of recorders, viewing the status of sensors and relays, real time monitoring of camera matrices, accessing recorded video and controlling the proper functioning of recorders, all of which allow you to get the maximum performance from your CCTV system.

For multi-operator centres, management of recorder groups, maps, etc. can be shared by using a centralised database.

RELEVANT FEATURES AND FUNCTIONS

- The **SCATI WATCHER** functions are included intuitively in the interface so the user can access them quickly and easily.
- Users can create groups of cameras, regardless of the recorder they belong to or groups of recorders to streamline device management.
- Interactive maps can be loaded where the user can indicate camera positions, as well as grouping maps into installations.
- **SCATI WATCHER** also makes commissioning easier since it automatically detects all the recorders in the network and synchronises their real-time clocks, if desired.
- **SCATI WATCHER** can be used to monitor equipment status by the automatic reception of alarms registered in **SCATI VISION** recorders: low disk-space, no signal from camera, etc.
- In addition, **SCATI WATCHER** includes flexible user management with configurable permissions and a log of actions carried out on the equipment.
- **SCATI WATCHER** can be used to perform advanced searches of video associated with image-processing or third party events, thus simplifying investigations.
- Captured videos can be edited, exported and digitally signed. It includes tools for easy preparation of reports, exporting data to CSV and taking snapshots.
- When a video-processing or third-party alarm is received, a window is displayed with the associated video



SW042-W10-D01		SW044-W10-D01	SW010-W10-RM1
SYSTEM			
Box	Compact		Rack Pro
Operating System	Microsoft Windows 10		
Processor	13th Generation Intel Core i5-13500 (14 Cores/24MB/12T/2.50GHz to 4.80GHz/65W)		Intel® Core™ i7-9700K 3.6 GHz
Memory	32 GB DDR5		8 GB
Network interface	1 RJ45 Gigabit Ethernet LAN ports		1 RJ45 Gigabit Ethernet LAN ports
Video system	UHD Intel® 770 Graphics	NVIDIA PNY QUADRO T400 4 GB GDDR6 PCIe3.0	2 x Nvidia Geforce GTX1650-4G GDDR5
USB	Front: 4 ports (2 x USB 2.0 + 2 x USB 3.2 Gen 1) Rear: 4 ports (2 x USB 3.2 Gen 1 + 2 x USB 2.0 Smart Power On)		6 USB 2.0 ports 4 USB 3.0 ports
Optical drive	DVD+/-RW 8x 9.5mm Slimline Optical Disk Drive		CD/DVD writer
Video Outputs	1 x DisplayPort (HDMI adapter included) 1 x HDMI	4 x Mini Display Port (HDMI adapters included)	2 x 2 HDMI
Storage	1 x M.2 SSD 2230 256GB PCIe NVMe Class 35 1x 3.5" SATA 1 TB		1x 3.5" SATA 1 TB
MECHANICAL			
Form factor	Compact		4U rack
Dimensions	290 H x 92,60 W x 292,80 D mm		177.8 H x 482.6 W x 505 D mm
Net Weight	5.0 Kg		17.2 Kg
ELECTRICAL			
Power Supply	Internal power supply		
Input Voltage	100 - 240 V AC, 50 - 60 Hz		
CERTIFICATIONS			
Certifications	FCC, CE, RoHS, NDAA		

MINIMUM REQUIREMENTS FOR LICENSE

HARDWARE:

- Intel® Pentium® Haswell Dual-core 3 GHz processor.
- 2 GB RAM (3 GB for use with KRAKEN recorders).
- XGA Graphics card, (1024 x 768), 24 bits colour depth.
- 100/1000 network card.
- These requirements are valid for dedicated hardware.

SOFTWARE

- Microsoft Windows 10 or higher

ORDERING INFORMATION

- **SW010-W10-RM1:** SCATI WATCHER Workstation of up to 500 SCATI VISION servers/recorders. Rack 4U Box. Advanced processor.
- **SW042-W10-D01:** SCATI WATCHER Workstation of up to 500 SCATI VISION servers/recorders. Compact box. Advanced processor.
- **SW044-W10-D01:** SCATI WATCHER Workstation of up to 500 SCATI VISION servers/recorders. Compact box. Advanced processor. NVIDIA graphic card included.
- **LIC-SUWA-BASE:** Software License SCATI WATCHER Client Remote Management System. Management of up to 4 SCATI VISION servers/recorders.
- **LIC-SUWA-100VS:** Software License SCATI WATCHER Client Remote Management System. Management of up to 100 SCATI VISION servers/recorders.
- **LIC-SUWA-250VS:** Software License SCATI WATCHER Client Remote Management System. Management of up to 250 SCATI VISION servers/recorders.
- **LIC-SUWA-500VS:** Software License SCATI WATCHER Client Remote Management System. Management of up to 500 SCATI VISION servers/recorders.
- **LIC-SUWA-1000VS:** Software License SCATI WATCHER Client Remote Management System. Management of up to 1,000 SCATI VISION servers/recorders.
- **LIC-SUWA-2500VS:** Software License SCATI WATCHER Client Remote Management System. Management of up to 2,500 SCATI VISION servers/recorders.
- **LIC-SUWA-5000VS:** Software License SCATI WATCHER Client Remote Management System. Management of up to 5,000 SCATI VISION servers/recorders.



REMOTE MAINTENANCE

ANALYSIS

Centralised control of equipment status is essential in large pools of video recorders. **SCATI ROUND** provides automated remote maintenance of all the equipment, thereby facilitating preventive fault detection.

SCATI ROUND is a key component for a scalable system because of its capacity to program bulk operations on recorders, such as set-ups, updates, etc., as well as automating maintenance tasks.

To take full advantage of all its capabilities, the **SCATI ROUND WEB** interface can perform advanced searches, generate reports and obtain all types of statistics by using the wide variety of criteria offered by **SCATI ROUND**.

SCATI ROUND provides unprecedented scalability thanks to its capacity to perform various tasks simultaneously on groups of recorders. This is essential in large installations with a high number of recorders or distributed systems.

Tasks can be grouped in rounds, which can be run in immediate or deferred mode, or periodically on a recorder or group of recorders.

The groups of recorders are imported from **SCATI WATCHER**, making the initial set-up of **SCATI ROUND** quick and easy.

RELEVANT FEATURES AND FUNCTIONS

- Obtaining all type of recorder data: number of days stored, time & date, settings, sensor statistics, alarms, camera snapshots, bulk video & snapshot requests, files, etc.
- Mass configurations or update packages by groups of recorders.
- Check the status of each **SCATI VISION** recorder periodically by scheduling tasks: check connection data, recorders that are not configured, HW errors, cameras without a signal, camera sabotage, etc.
- At the end of the procedure, the **SCATI ROUND WEB** interface will display a report with a summary of the status of the recorder pool. This opens the way for preventive diagnosis of any errors in the CCTV installation and prevents recording interruptions that might not be detected under other circumstances.
- **SCATI ROUND** makes it possible to update the software of your entire **SCATI VISION** pool remotely and easily, an essential feature for large installations.
- Recorder management is also streamlined by copying settings from one **SCATI VISION** to others (if the recorders are similar) and replicating system permissions between recorders.
- Bulk time & date synchronisation prevents discrepancies among recorders and the Control Centre, while many other bulk tasks, such as video / snapshot requests, etc. provide system scalability.
- Perform advanced searches on **SCATI ROUND WEB** by using the wide range of filters per round, recorder group, calendar, errors, time discrepancies, alarms and days stored, among other criteria.
- Obtain sensor and alarm statistics, or other parameters for a detailed study of plant status and generate reports easily by exporting rounds to PDF or CSV.

MINIMUM REQUIREMENTS FOR LICENSE

HARDWARE:

- Procesador Intel® Pentium® Ivy Bridge Dual-core 3 GHz.
- 2 GB RAM.
- XGA graphics card, minimum resolution 1024 x 768, 24 bits colour depth.
- 100/1000 network card.
- These requirements are valid for dedicated hardware.

SOFTWARE

- Microsoft Windows 7 (32 bits o 64 bits) with Service Pack 1 or higher

ORDERING INFORMATION

- **LIC-SURO:** Software License maintenance system SCATI ROUND, up to 500 SCATI VISION servers/recorders.

SLNK000-LXU-SM0



SCATI LINKER

ANALYSIS

Don't let your network collapse in emergency situations. When all the operators attempt to access the same video, **SCATI LINKER** guarantees video service by prioritising and grouping requests to optimise available bandwidth.

SCATI LINKER prepares your video surveillance system to manage modern network complexity, where it's commonplace to have all kinds of devices attempting to access video over a combination of fixed and mobile networks.

SCATI LINKER's Real Time mode guarantees access to the video in distributed recorders even during a hypothetical avalanche of requests in response to an incident. **SCATI LINKER RT** minimises the bandwidth necessary to transmit video by grouping the requests from **SCATI** client applications so that the recorder receives real-time video requests only once. It then transmits to multiple client applications simultaneously. This is a critical feature in certain applications such as mobile scenarios, where on-board recorder connectivity is limited.

RELEVANT FEATURES AND FUNCTIONS

- Bandwidth management.
- Recorder Video Distribution: When a recorder has to respond to both real-time and recorded video requests simultaneously, transmission must be properly prioritised according to the limitations of the network. **SCATI LINKER RT** centralises and controls recorded video requests to guarantee operation without compromising real-time video transmission.
- Reliability and security: **SCATI LINKER** has redundancy at the hardware level, ensuring its continuous operation.



SLNK000-LXU-SM0

SYSTEM

Operating system	Ubuntu 18.04 LTS Bionic
Processor	2x Intel® Xeon® processor CPU E5-2620
Memory	16 GB
Network interface	2x RJ45 10GBase-T ports 2x RJ45 Gigabit Ethernet LAN ports
USB	Front: 4 x USB 2.0 ports
Video outputs	1 x VGA

MECHANICAL

Form factor	1U rack
Dimensions	437 W x 43 H x 705 D mm
Net Weight	19.45 Kg

ELECTRICAL

Power Supply	Redundant AC-DC high-efficiency power supply
Power Input	700 W: 100 - 140 V, 50 - 60 Hz 750 W: 180 - 240 V, 50 - 60 Hz

ENVIRONMENTAL

Operating temperature	5°C - 35°C (41°F - 95°F)
Operating humidity	8% - 90% (non condensing)

CERTIFICATIONS

Certifications	FCC, CE, RoHS
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ORDERING INFORMATION

- **SLNK000-LXU-SM0:** 1U Rack box server. Allows for real-time video distribution and automatic downloads. Includes LIC-LINK-CLI50
- **LIC-LINK-RT-1CH:** Real-time video transmission licence for one analogue or IP camera.
- **LIC-LINK-AD-1CH:** Automatic Download licence for one analogue or IP camera.
- **LIC-LINK-CLI10:** Licence for 10 units/client devices.
- **LIC-LINK-CLI25:** Licence for 25 units/client devices.
- **LIC-LINK-CLI50:** Licence for 50 units/client devices.
- **LIC-LINK-CLI100:** Licence for 100 units/client devices.
- **LIC-LINK-CLI250:** Licence for 250 units/client devices.
- **LIC-LINK-CLI500:** Licence for 500 units/client devices.

The number of cameras corresponds to the total number managed by the Scati Linker unit, regardless of how many are used at once. The number of client devices corresponds to the total number to be connected to the Scati Linker unit at once (regardless of the type or number of applications used: Scati Watcher, Scati Wall, clients over SDK, etc.).



SCATI HUB

ANALYSIS

SCATI HUB performs centralised management of all the alarms in a distributed CCTV system, whether from video or third party systems, providing easy and efficient integration of all the security systems. This unified management offers greater event-association options, enabling a proactive approach to security.

SCATI HUB makes it easy to manage alarms by allowing users to define alarm groups. The applications that receive alarms can subscribe to the different channels so they only receive alarms relevant to them.

The possibility to program automatic alarm-response actions, the wide variety of customized parameters and extensive integration capacities enables incident-response time to be reduced to a minimum.

The **SCATI HUB** application design allows for easy integration with any number of security systems: access controls, anti-intrusion systems, physical sensors, third-party CCTV, etc.

SCATI HUB receives all the alarms from these external systems, as well as from **SCATI VISION** recorders, and triggers actions in the video platform. It also operates in the opposite direction: alarms triggered by **SCATI VISION** recorders can be transmitted to third-party systems, allowing for centralised management of all the alarms in the security system.

RELEVANT FEATURES AND FUNCTIONS

- Integration with third-party systems.
- More efficient alarm management.
- **SCATI HUB** can be used to define response actions for individual alarms or by type of alarm.
- The multiple possibilities for customising these options make it possible to take full advantage of the system's capabilities.
- **SCATI WATCHER** and **SCATI WALL** operators can subscribe to the alarm groups that interest them most, so they receive only these alarms and their associated actions via multicast UDP protocol.
- **SCATI HUB** also uses the TCP protocol to communicate alarms to one or more IP addresses corresponding to integrated third-party systems and can also send alarms via e-mail to other addresses.
- Automation of alarm-associated actions.
- Selective alarm filtering for operators by subscribing to configurable alarm groups.
- Alarm filtering by schedule or other criteria.
- Priority settings for video-launching in client applications according to alarm types.
- Synergies generated by the integration of a variety of security systems.
- **SCATI HUB** ensures continuous operation by checking the status every 30 seconds and re-starts automatically if operation is not detected.



SHUB-LXU-PRO450

SYSTEM	
Operating system	Ubuntu 22.04 LTS Jammy
Processor	Intel® Xeon® processor Silver 4309Y or similar
Memory	32 GB
Network interface	2 x RJ45 Gigabit Ethernet 1 x iDRAC Connector Interface
USB	5 total USB: Rear: 2 x USB 3.0 ports Front: 2 x USB 2.0 ports Internal: 1 x USB 3.0 port
Video outputs	Rear: 1 x VGA Front: 1 x VGA
Storage	2 x 2 TB 3.5" HDD
RAID	RAID 0, 1 (SW)
MECHANICAL	
Form factor	1U rack
Dimensions	482 x 748.79 x 42,8 mm
Net Weight	18.62 Kg
ELECTRICAL	
Power Supply	Redundant 1100W
Power Input	100 - 240 V AC, 50 - 60 Hz
ENVIRONMENTAL	
Operating temperature	10°C - 35°C (50°F - 95°F)
Operating humidity	10% - 80% (non-condensing)
CERTIFICATIONS	
Certifications	FCC, CE, RoHS

ORDERING INFORMATION

- **SHUB-LXU-PRO450:** SCATI HUB alarm concentrator server in 1U rack box.
- **LIC-SHUB-CLI5:** Software License for the alarm concentrator SCATI HUB, up to 5 clients.
- **LIC-SHUB-CLI10:** Software License for the alarm concentrator SCATI HUB, up to 10 clients.
- **LIC-SHUB-CLI20:** Software License for the alarm concentrator SCATI HUB, up to 20 clients.
- **LIC-SHUB-CLI50:** Software License for the alarm concentrator SCATI HUB, up to 50 clients.
- **LIC-SHUB-PLUS:** Software License for the alarm concentrator SCATI HUB, up more than 50 clients.
- **LIC-SHUB-1CH:** Software license for alarm concentrator SCATI HUB per camera. Free license for simultaneous SCATI EYE camera purchase.

SWALL(xx)-W10-RM1



VIDEO WALL



ANALYSIS

SCATI WALL is a professional video-wall application specifically designed for large facilities. It has a monitor-stacking capacity that allows video walls of up to 64 cameras, making it a truly scalable solution.

Its flexible configuration and wide range of capabilities, accessible from an intuitive user-friendly interface, can be used to create an efficient working environment, adapted to your needs.

SCATI WALL integration with alarms allows automatic display of videos associated with alarms, whether from **SCATI** or third-party systems. This way, operators can focus on critical events quickly, thereby improving their response times.

SCATI WALL features a wide range of set-up options to create a highly efficient working environment.

Continuous operation of **SCATI WALL** is ensured thanks to periodical status monitoring. Video transmission is completely secured by protection of communications with the servers.

RELEVANT FEATURES AND FUNCTIONS

- Flexible scenario definitions, where you can choose from 14 different kinds of layouts.
- Generation of camera sequences with configurable time intervals and optional cycle repetition.
- Automated pre-positioning of PTZ cameras.
- Fast set-up thanks to camera and recorder group importing from **SCATI WATCHER**.
- User-friendly interface, designed to make all its features as easy to use as possible.
- It includes functionalities such as PTZ camera control by mouse or joystick, drag-and-drop quadrant exchange, double click for full window, digital zoom, etc.
- On-screen texts, such as "PTZ" to indicate a moveable camera or "REC" to show that the camera stream is being recorded.
- Digital matrices from 16 to 64 cameras on video walls with up to 4 monitors.
- **SCATI WALL** can receive video or third party alarms via **SCATI HUB**.
- Intelligent alarm management is performed by selecting which **SCATI HUB** alarm groups are to be received, filtering alarms by time window or temporarily ignoring alarms.
- The quality of the received video can be adapted from **SCATI WALL**, thereby reducing the load in the network as required.
- Video access is also guaranteed by integration with **SCATI LINKER**, even during emergencies when multiple operators want to simultaneously access the same video streams.



SWALL16-W10-RM1		SWALL36-W10-RM1		SWALL64-W10-RM1	
SYSTEM					
Box	Rack Pro				
Operating System	Microsoft Windows 10				
Processor	Intel® Core™ i7-10700K 3.8 GHz				
Memory	2 x 8 GB				
Network interface	2 x RJ-45 10/100/1000Base-T				
Video system	2 x Nvidia Gforce GTX1650-4G GDDR6				
USB	6 x USB 2.0 ports 4 x USB 3.0 ports				
Storage	SSD 500GB				
Video Outputs	2 x 2 HDMI				
Cameras No.	16	36	64		
MECHANICAL					
Form factor	4U rack				
Dimensions	177.8 H x 482.6 W x 505 D mm				
Net Weight	17.2 Kg				
ELECTRICAL					
Power Supply	Internal power supply				
Power Input	100 - 240 V AC, 50 - 60 Hz				
Power consumption	750 W max.				
CERTIFICATIONS					
Certifications	FCC, CE, RoHS, NDAA				

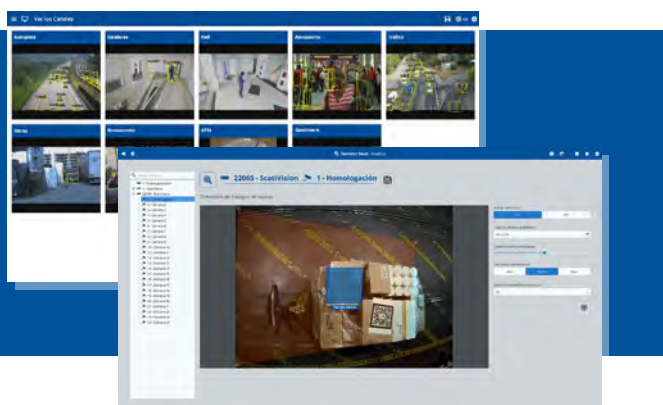
ORDERING INFORMATION

- **SWALL16-W10-RM1:** Real time display Workstation on digital video matrix licensed for 16 simultaneous cameras.
- **SWALL36-W10-RM1:** Real time display Workstation on digital video matrix licensed for 36 simultaneous cameras.
- **SWALL64-W10-RM1:** Real time display Workstation on digital video matrix licensed for 64 simultaneous cameras.

VIDEO ANALYSIS USING IA SCATI ANALYTICS

Enhance the situational awareness of your system

Whether you want to complement the analytics capabilities of SCATI EYE cameras or have a legacy of unintelligent cameras, SCATI ANALYTICS brings the full power of artificial intelligence to server-based video analytics. Boost your security, gain deeper insight into your operations and improve your organization's productivity with our server-based video analytics.



SCATI
ANALYTICS



ANALÍTICAS DE VÍDEO

LA IA APLICADA AL ANÁLISIS DE VÍDEO


Lectura de códigos
de barras/QRs


Objeto
abandonado


Clasificación
de objetos


Cruce de línea


Vagabundeo


Multitudes


Color
de objetos


Detección
de movimiento



Objeto robado


Intrusión


Caídas


Reconocimiento óptico
de caracteres (OCR)


Alarma
direccional


Personas
corriendo


Tampering


Conteo
de personas

SL-VSMART-30(x)

Server for VSMART



RELEVANT FEATURES AND
FUNCTIONS

- Compact format
- Up to 12 channels
- Compatible with SCATI VSMART analytics

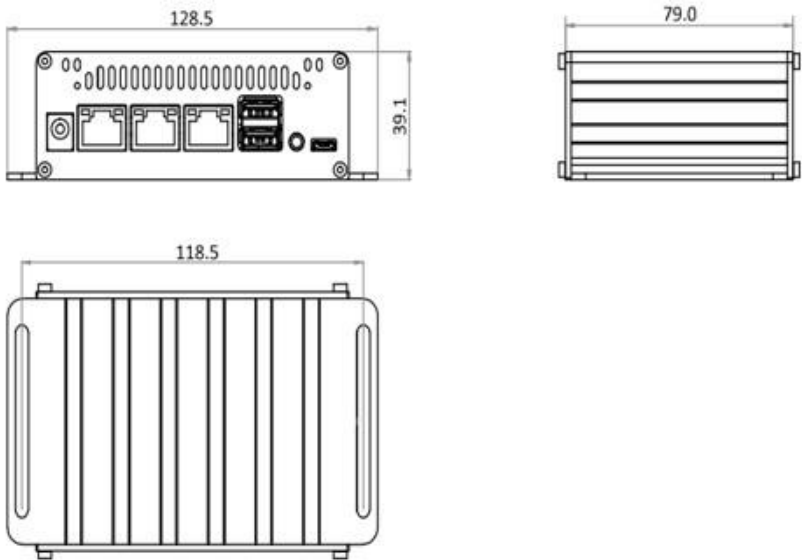


ORDERING INFORMATION

- SL-VSMART-301: Up to 8 channels
- SL-VSMART-302: Up to 12 channels
- LIC-VSMART-DL-1CH: Deeplearning tracker
- LIC-VSMART-CLA-1CH: Presence detection & object classification
- LIC-VSMART-PRES-1CH: Presence detection

SL-VSMART-301		SL-VSMART-302
SYSTEM		
Operating system	Ubuntu 20.04 LTS Desktop	
GPU	512-core Ampere, with 16 Tensor Cores	1024-core Ampere, with 32 Tensor Cores
Core Module	Orin Nano 4GB	Orin Nano 8GB
System Drive	250GB, M.2 NVME	500GB, M.2 NVME
Communications	2 x 1 Gigabit RJ-45	
USB	2 x USB 3.1 Gen	
Video outputs	1 x micro HDMI	
ANALYTICS		
Event Rules	Intrusion detection, Tamper detection, Region entrance, Region exiting, Region appearance, Region disappearance, Dwell detection, Direction detection, Counting, Abandoned or removed object detection, Zones & lines, 3D calibration, Logical rules	
Event actions	E-mail, TCP, HTTP	
ANALYTICS PERFORMANCE		
Deeplearning tracker	8 ch (4fps@480p) 4 ch (12fps@480p)	12 ch (4fps@480p) 7 ch (12fps@480p)
Presence detection & object classification	24 ch (12fps@480p)	60 ch (12fps@480p)
GENERAL		
Chassis	Compact	
Power	DC 12V/5A (1 x DC power jack)	
Working temperature	0°C - 40°C	
Working humidity	20% - 85% non-condensing	
Dimensions (WxDxH)	128.5 x 79 x 39.1 mm	
Weight	Approx. 350 g	

OVERVIEW



SL-VSMART-R(x)

Server for VSMART



RELEVANT FEATURES AND
FUNCTIONS

- 2U Rack format
- Up to 115 channels
- Compatible with SCATI VSMART analytics

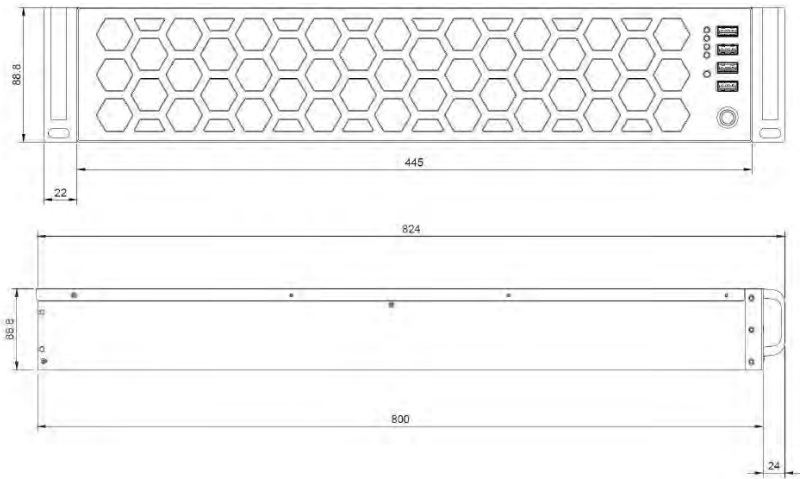


ORDERING INFORMATION

- SL-VSMART-R80: 2U Server for up to 80 channels
- SL-VSMART-R115: 2U Server for up to 115 channels
- LIC-VSMART-DL-1CH: Deeplearning tracker
- LIC-VSMART-CLA-1CH: Presence detection & object classification
- LIC-VSMART-PRES-1CH: Presence detection

SL-VSMART-R80		SL-VSMART-R115
SYSTEM		
CPU	Intel® Core™ i5-13600 Processor or similar	Intel® Core™ i7-13700KF Processor or similar
Cooler	Air Cooler	Liquid Cooler
GPU	RTX 4060 8G GDDR6	RTX 4060TI 8G GDDR6
Memory	32GB (16GB x 2), DDR4	
SSD	250GB, SATA3	250GB, M.2 NVME
HDD (optional)	12TB, 7200rpm, 3.5"	16TB, 7200rpm, 3.5"
Communications	1 x Realtek 1Gb Ethernet	
USB	Front: 2 x USB 3.0 ports (Type-A) & 2 x USB 2.0 ports (Type-A) Rear: 4 x USB 3.0 ports (Type-A) & 2 x USB 2.0 ports (Type-A)	
Video outputs	1 x HDMI	
Audio I/O	Rear: 3 (Audio In/Out, MIC In)	
ANALYTICS		
Event Rules	Intrusion detection, Tamper detection, Region entrance, Region exiting, Region appearance, Region disappearance, Dwell detection, Direction detection, Counting, Abandoned or removed object detection, Zones & lines, 3D calibration, Logical rules	
Event actions	E-mail, TCP, HTTP	
ANALYTICS PERFORMANCE		
Deeplearning tracker	80 ch (15fps@480p)	115 ch (15fps@480p)
Presence detection & object classification	130 ch (15fps@480p)	230 ch (15fps@480p)
GENERAL		
Chassis	2U Rack format	
Power	AC100V ~ 240V, 50-60Hz, 800Watt	
Working temperature	0°C - 40°C	
Working humidity	20% - 85% non-condensing	
Dimensions (WxDxH)	482 x 480 x 88.8 mm	

OVERVIEW



SL-W10/LXU-PRO450

SL-W10/LXU-D01

Data management server



RELEVANT FEATURES AND FUNCTIONS

- RAID 0,1
- Redundant power supply optional
- Redundant network card optional
- Data management



SL-W10-D01		SL-W10-PRO450	
SYSTEM			
Operating system	Microsoft® Windows 10		
Processor sockets	1		
Processor	Intel Core i5-14500 processor or similar	Intel® Xeon® processor Silver 4309Y or similar	
Cache	24 MB Cache	12 MB Cache	
Frequency	5.0 GHz	2.8 GHz	
Number of cores	14	8	
Number of threads	12 (no multi-threaded)	16 (multi-threaded)	
Memory	32 GB	32 GB	
DIMM	3200MT/s UDIMMs	3200 MT/s RDIMMs	
Communications	1 x RJ45 Gigabit Ethernet LAN ports	2 x RJ45 Gigabit Ethernet 1 x iDRAC Connector Interface	
USB	8 total USB: Front: 2 x USB 2.0 Front: 2 x USB 3.2 Gen 1 Rear: 2 x USB 2.0 Rear: 2 x USB 3.2	5 total USB: Rear: 2 x USB 3.0 ports Front: 2 x USB 2.0 ports Internal: 1 x USB 3.0 port	
Video outputs	Rear: 1 x DisplayPort 1.4 1x HDMI 1.4b	Rear: 1 x VGA Front: 1 x VGA	
HARD DRIVE			
Capacity	1 x 1 TB	2 x 2 TB	
Interface Type	SATA 3.5" 6Gb/s		
Spindle Speed	7,200 rpm		
RAID	NA	RAID 0, 1 (SW)	
MECHANICAL			
Chassis	Tower	1U rack	
Dimensions (WxDxH)	92.6 x 292.8 x 290 mm	482 x 748.79 x 42.8 mm	
Weight	Up to 5.0 kg	Up to 18.62 kg	
ELECTRICAL			
Power supply	Single (180 W)	Redundant (1100W)	
Power input	100 - 240 V AC, 50 - 60 Hz	100 - 240 V AC, 50 - 60 Hz	
ENVIRONMENTAL			
Working temperature	10°C - 35°C		
Working humidity	10% - 80% (non-condensing)		
CERTIFICATIONS			
Certifications	FCC, CE, RoHS		

ORDERING INFORMATION

- SL-W10-PRO450: Windows10, 32GB, redundant power.
- SL-LXU-PRO450: Linux, 32GB, redundant power.
- SL-W10-D01: Windows 10, 32GB, single power.
- SL-LXU-D01: Linux, 32GB, single power

SL-LXU-D01		SL-LXU-PRO450
SYSTEM		
Operating system	Linux Ubuntu 22.04 LTS Jammy	
Processor sockets	1	
Processor	Intel Core i5-14500 processor or similar	Intel® Xeon® processor Silver 4309Y or similar
Cache	24 MB Cache	12 MB Cache
Frequency	5.0 GHz	2.8 GHz
Number of cores	14	8
Number of threads	12 (no multi-threaded)	16 (multi-threaded)
Memory	32 GB	16 GB
DIMM	3200MT/s UDIMMs	3200 MT/s RDIMMs
Communications	1 x iDRAC Connector Interface	2 x RJ45 Gigabit Ethernet 1 x iDRAC Connector Interface
USB	8 total USB: Front: 2 x USB 2.0 Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 2.0 Rear: 2 x USB 3.2	5 total USB: Rear: 2 x USB 3.0 ports Front: 2 x USB 2.0 ports Internal: 1 x USB 3.0 port
Video outputs	Rear: 1 x DisplayPort1.4 1x HDMI 1.4b	Rear: 1 x VGA Front: 1 x VGA
HARD DRIVE		
Capacity	1 x 1 TB	2 x 2 TB
Interface Type	SATA 3.5" 6Gb/s	
Spindle Speed	7,200 rpm	
RAID	NA	RAID 0, 1 (SW)
MECHANICAL		
Chassis	Tower	1U rack
Dimensions (WxDxH)	92.6 x 292,8 x 290 mm	482 x 748.79 x 42,8 mm
Weight	Up to 5,0 kg	Up to 18.62 kg
ELECTRICAL		
Power supply	Single (180 W)	Redundant (1100W)
Power input	100 - 240 V AC, 50 - 60 Hz	100 - 240 V AC, 50 - 60 Hz
ENVIRONMENTAL		
Working temperature	10°C - 35°C	
Working humidity	10% - 80% (non-condensing)	
CERTIFICATIONS		
Certifications	FCC, CE, RoHS	

OVERVIEW



SL-W10/LXU-PRO450

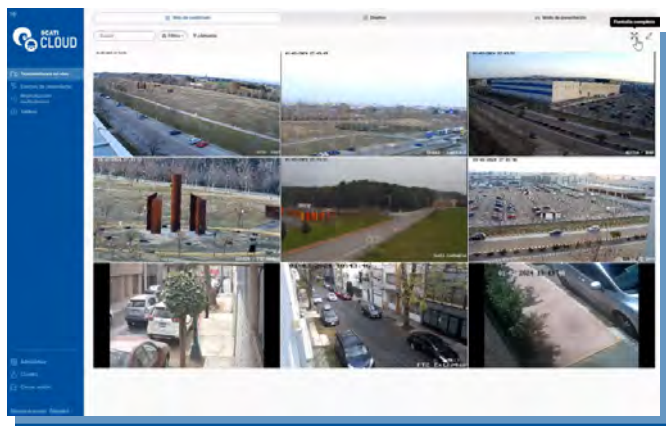


SL-W10-D01

CLOUD-BASED VIDEO MANAGEMENT SCATI CLOUD

The evolution of video surveillance

SCATI CLOUD is an innovative solution that gives users a new approach to address their video surveillance needs. SCATI's new cloud-based VMS allows to easily scale the efficient centralization of recordings, facilitating real-time monitoring from anywhere and from any device, fixed or mobile.



FUNCTIONALITIES



Up to 8MP



Multiple visualization
options



PTZ



Bidirectional
audio



Multi-user
permissions



Camera health
monitoring



Analytics



Remote control

SL-LXU-N04-CLOUD

Gateway server



RELEVANT FEATURES AND FUNCTIONS

- Compact format
- 4 Gigabit LAN RJ45 ports
- Gateway server between cameras and SCATI CLOUD
- Local SSD Storage to temporarily save images in case of network problems
- Encrypted HTTPS & RTSP



ORDERING INFORMATION

- SL-LXU-N04-CLOUD

SL-LXU-N04-CLOUD	
SYSTEM	
Operating system	Linux Operating System in 64 GB SSD
Processor	Intel Celeron J3455 Apollo Lake or similar
Cache	1 MB Cache
Frequency	1.5 GHz
Memory	8 GB
Communications	4 Gigabit LAN RJ-45 ports (Intel i211AT) PoE Ports 48V/2A power supply included to power the PoE ports
USB	2 x USB ports 2.0 2 x USB ports 3.0
Serial port	1 x RS-232 (COM)
Video outputs	1x HDMI
HARD DRIVE	
Capacity	1 x 250 GB
Interface Type	SSD 2.5" SATA
MECHANICAL	
Chassis	Compact
VESA bracket	YES
Dimensions (WxDxH)	187 x 111 x 53 mm
Weight	1 Kg
ELECTRICAL	
Power supply	External power supply
Power input	12 V DC, 4 A
ENVIRONMENTAL	
Working temperature	0°C - 50°C
Working humidity	10% - 90% non-condensing
Cooling system	Fanless High-efficiency heat-dissipating system
CERTIFICATIONS	
Certifications	FCC, CE, RoHS, NDA

OVERVIEW



CAMERAS SCATI EYE

Covering any need

No matter what the target, our SCATI EYE cameras always offer you excellent image quality thanks to their multiple designs and features, adapting to any environment even in the most adverse conditions. In compliance with ONVIF standards, we have a wide range of options to meet the specific needs of each environment.



**INTELLIGENT
SERIES**



**4K
SERIES**



**THERMAL
SERIES**



**DOMO PTZ
SERIES**



**MINIDOMO
SERIES**



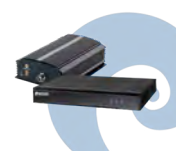
**COMPACT
SERIES**



**PANORAMIC
SERIES**



SPECIAL



CODERS

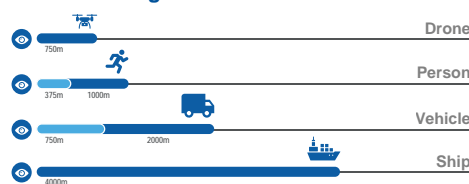
ThermalScan Cameras

ThermalScan cameras act as a thermal device that detects, recognizes and tracks an unlimited number of targets (people, vehicles, etc.) automatically, over long distances and in the most adverse weather conditions and in total darkness. They are ideal for the protection of very large areas, both on land and at sea, as they replace hundreds of conventional cameras and simplify system installation and maintenance.



- Mini Range
- Periscope Range

Detection ranges



When the ThermalScan detects a target, a SCATIEYE PTZ dome automatically positions itself to display the video in visible spectrum for identification while SCATI WATCHER and SCATI SENTRY receive alarms for situational awareness.

SDLC-3603-EXP

4MP Network Box Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/1.8" Progressive Scan CMOS sensor
- 4 Megapixel resolution
- 140 dB WDR
- Smart features
- Face recognition
- Multi-target type detection



SDLC-3603-EXP

CAMERA	
Sensor	1/1.8" Progressive Scan CMOS
Min. illumination	Color: 0.0005 Lux @(F1.2, AGC ON) BW: 0.0001 Lux @(F1.2, AGC ON)
Slow shutter	Yes
Shutter time	1 s - 1/100,000 s
Lens mount	CS mount Lens is not included
P-iris	Yes
Day/Night switch	IR cut filter, Day, Night, Auto, Schedule, Alarm Trigger Blue glass module to reduce ghost phenomenon
Wide Dynamic Range	140 dB WDR
Image usability	BLC / HLC / 3D DNR / Defog / EIS
VIDEO	
Max. resolution	2560 × 1440
Frame rate	Main stream: 50 Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Sub stream: 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 576, 640 × 480) Third stream: 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) Fourth stream: 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480) Fifth stream: 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Video compression	H.265 Ultra / H.265 / H.264 Ultra / H.264 / MJPEG
Video bitrate	32 Kbps to 8 Mbps
ROI encoding	4 fixed regions for main stream, sub-stream, third stream, fourth stream and fifth stream
Image settings	Saturation, brightness, contrast, sharpness, white balance, and AGC adjustable by client software or web browser
Smart features	Smart event: Line crossing detection, intrusion detection, region entrance detection, region exiting detection, audio exception detection, scene change detection, defocus detection. Perimeter protection: Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle).
DEEPLARNING	
Face Recognition	Detects up to 60 faces simultaneously. Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°. Uploads face with background and closed-up face pictures. Up to 10 face libraries. Up to 150,000 faces for each library. 150,000 faces in total. Supports face library encryption
Multi-target-type Detection	Supports simultaneous detection and capture of human body, face and vehicle. Gets 7 face features, 13 human body features and 2 vehicle features.
AUDIO / ALARM	
Audio Compression	G.711 / G.722.1 / G.726 / MP2L2 / PCM / MP3
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/32Kbps(PCM)/8-320Kbps(MP3)
Audio I/O	1 input (line in), 1 output (line out), 3.5 mm connector, 1 built-in microphone
Alarm trigger	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), video quality diagnosis
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1A)

ORDERING INFORMATION

- SDLC-3603-EXP

SDLC-3603-EXP

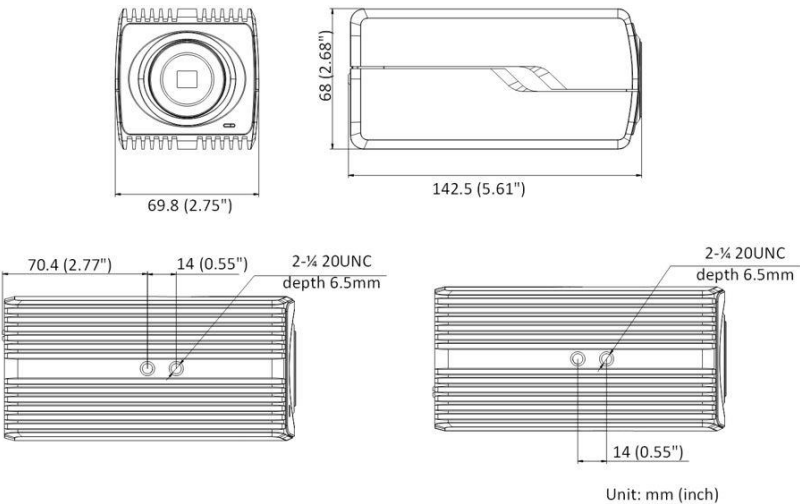
NETWORK

Local storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
Network storage	Support NAS (NFS, SMB/ CIFS)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
Security	Heartbeat, mirror, password protection, watermark, privacy mask, IP address filter, one-key reset, five streams
Simultaneous live views	Up to 20 channels
Users	Up to 32 users
User levels	3 levels: Administrator, Operator and User
Network interface	1 RJ45 100 M/1000 M self-adaptive Ethernet port 1 RS-485
Video Output	1Vp-p Composite Output(75Ω/CVBS)(Only for Debug)
Compliance	ONVIF; ISAPI; ISUP

GENERAL

Power supply and consumption	12 VDC ± 20%, 0.9 A, max. 10.8 W, two-core terminal block 24 VAC ± 20%, 0.44 A, max. 10.4 W, two-core terminal block PoE: 802.3af, Type 1, Class 3, 36 V to 57 V, 0.33 A to 0.21 A, max. 11.6 W
Operating conditions	-30°C to 60°C (-22°F to 140°F) Humidity 95% or less (non-condensing)
Material	Aluminum alloy body
Dimensions	142.5 × 69.8 × 68 mm (5.61" × 2.75" × 2.68")
Weight	Approx. 730 g (1.96 lb.)

DIMENSIONS



ACCESSORIES



SES-1292
Wall mount bracket



SES-1299
Pendant mount bracket



SES-1331C
Outdoor housing



LEN3816P-MPIR
3.8 to 16 mm P-Iris



LEN1140P-MPIR
11 to 40 mm P-Iris

SED-35015V-EX25

2MP 25x Network Speed PTZ
Dome Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.8" Progressive Scan CMOS sensor
- 2 Megapixel resolution
- 4.8 to 120 mm lens
- 25x Optical zoom
- 120 dB WDR



SED-35015V-EX25

CAMERA	
Sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color: 0.005 Lux @(F1.6, AGC ON) BW: 0.001Lux @(F1.6, AGC ON)
White balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
Slow shutter	Yes
Shutter time	1/1 s - 1/30,000 s
Privacy mask	24 programmable polygon privacy masks, mask color or mosaic configurable
Day/Night	IR cut filter
Lens	4.8 mm to 120 mm, 25x optical zoom
Digital zoom	16x
Zoom speed	Approx. 3.6 s (optical lens, wide-tele)
Focus	Auto/Semi-automatic/Manual
Angle of view	Horizontal field of view: 57.6° to 2.5° (Wide-Tele) Vertical field of view: 34.4° to 1.4° (Wide-Tele) Diagonal field of view: 64.5° to 2.9° (Wide-Tele)
Aperture range	Max. F1.6
Wide Dynamic Range	120 dB WDR
Image usability	HLC/BLC/3D DNR/Defog/Regional Exposure/Regional Focus
DORI Distances	Detect: 25 px/m; 1600 m (5249.3 ft) Observe: 63 px/m; 634.9 m (2083.1 ft) Recognize: 125 px/m; 320 m (1049.9 ft) Identify: 250 px/m; 160 m (524.9 ft)
PTZ MODULE	
Pan&Tilt range	Pan: 360° Tilt: -5° to 90° (auto flip)
Pan&Tilt Speed	Pan: Configurable, from 0.1°/s to 250°/s, Preset Speed: 300°/s Tilt: Configurable, from 0.1°/s to 150°/s, Preset Speed: 200°/s
Presets	300
Patrol scan	8 patrols, up to 32 presets for each patrol
Pattern scan	4 pattern scans, record time over 10 minutes for each scan
Park action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
Preset freeze time	Support
Scheduled task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output
VIDEO	
Max. resolution	1920 × 1080
Frame rate	Main stream: 50Hz: 25fps (1920×1080, 1280×960, 1280×720) 60Hz: 30fps (1920×1080, 1280×960, 1280×720) Sub stream: 50Hz: 25fps (704×576, 640×480, 352×288) 60Hz: 30fps (704×480, 640×480, 352×240) Third stream: 50Hz: 25fps (1920×1080, 1280×960, 1280×720, 704×576, 640×480, 352×288) 60Hz: 30fps (1920×1080, 1280×960, 1280×720, 704×480, 640×480, 352×240)
Video compression	H.265 Ultra / H.265 / H.264 Ultra / H.264 / MJPEG
Video bitrate	32 Kbps to 16 Mbps
ROI encoding	8 fixed regions for each stream
Video streaming	Triple stream
Image settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Smart features	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection. Face capture

ORDERING INFORMATION

- SED-35015V-EX25

SED-35015V-EX25

AUDIO/ALARM

Audio compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio I/O	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω \pm 10%; 1 output (line out), line level, output impedance: 600 Ω
Alarm I/O	2-ch alarm input 1-ch alarm output
Alarm trigger	Motion Detection, Alarm Input, Alarm Output, Video Tampering Detection, Exception

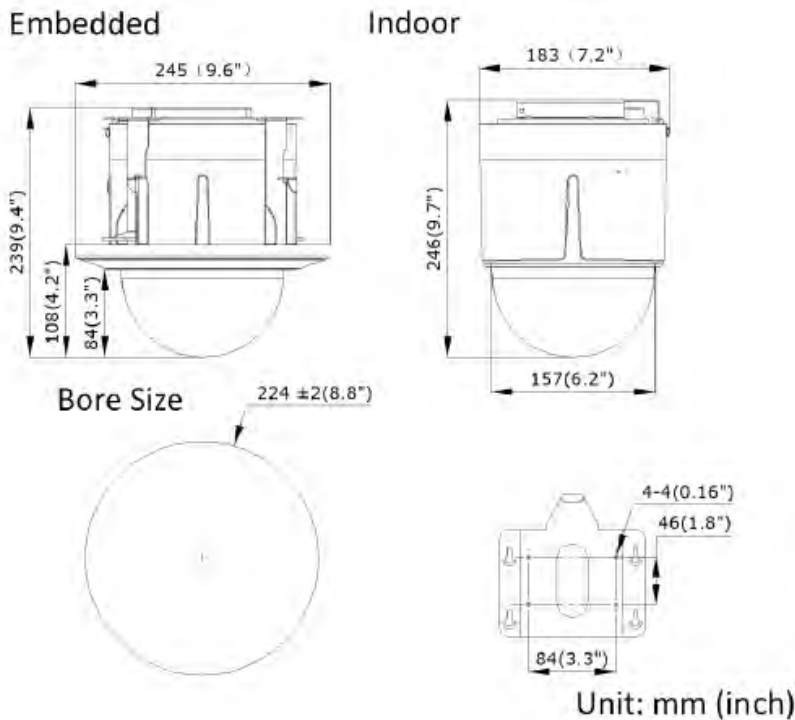
NETWORK

Local storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
Network storage	Support NAS (NFS, SMB/ CIFS)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
Security	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Simultaneous live views	Up to 20 channels
Users	Up to 32 users
User levels	Administrator, Operator and User
Network interface	1 RJ45 10M/100M self-adaptive Ethernet port
Compliance	ONVIF; ISAPI; ISUP

GENERAL

Power supply and consumption	24 VAC, Max. 20 W; PoE (802.3at)
Operating conditions	-10°C to 50°C (14F to 122°F) Humidity 90% or less
Impact protection	IK10
Dimensions	Embedded: \varnothing 245mm \times 239mm (\varnothing 9.6" \times 9.4") Indoor: \varnothing 183mm \times 246mm (\varnothing 7.2" \times 9.7")
Weight	Approx. 3 kg (6.61 lb)

DIMENSIONS



SED-66135VR-Y40

4MP Network Speed PTZ
Dome Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.8" Progressive Scan CMOS sensor
- 4 Megapixel resolution
- 40x optical zoom
- Outdoor (IP67)
- Vandalproof (IK10)
- IR up to 100m
- Smart features



SED-66135VR-Y40

CAMERA	
Sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color: 0.005 Lux @ (F1.2, AGC ON), BW: 0.001 Lux @ (F1.2, AGC ON), 0 Lux with IR
White balance	Auto/Manual/Indoor/Outdoor
Shutter time	50Hz: 1/25s - 1/25,000s @25fps 60Hz: 1/30s - 1/30,000s @25fps
Lens	4.5 mm to 180 mm, 40x optical zoom
Angle of view	Horizontal FOV: 59.1° to 1.8° (Wide-Tele) Vertical FOV: 38.4° to 1.1° (Wide-Tele) Diagonal FOV: 68.9° to 2.1° (Wide-Tele)
Aperture range	Max F1.2
Image distance	Wide: 1m to endless Tele: 1.5m to endless
Day/Night	IR cut filter
Digital zoom	16x
Zoom speed	Approx. 5.2 s (optical lens, wide-tele)
Privacy mask	4 areas, up to 8 mask per request
Wide Dynamic Range	120 dB WDR
Image usability	BLC / HLC / HDR / 3D DNR / EIS (built-in gyro sensor)
IR range	Up to 100 m
DORI distance	Detect: 25 px/m; 99.6 m to 3,600 m Observe: 63 px/m; 39.5 m to 1,429 m Recognize: 125 px/m; 19.9 m to 720 m Identify: 250 px/m; 10 m to 360 m
PTZ MODULE	
Pan range & Speed	360° endless Pan Manual Speed: 0.1° to 390°/s Pan Preset Speed: 420°/s
Tilt Range & Speed	-25° to 90°, auto flip at 90° Tilt Manual Speed: 0.1° to 270°/s Tilt Preset Speed: 300°/s
Presets	360
Patrol scan	8 patrols, up to 16 presets for each patrol
Pattern scan	4 pattern scans, record time over 3 minutes for each scan
Park action	Preset/Patrol/Pattern/Auto Scan/Random Scan
VIDEO	
Max. resolution	2560 × 1440
Frame rate	Main stream: 50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 720) Sub-Stream: 50Hz: 25fps (704×576, 640×480, 352×288) 60Hz: 30fps (704×576, 640×480, 352×288) Third Stream: 50Hz: 25fps (1920×1080, 1280×960, 1280×720, 704×576, 640×480, 352×288) 60Hz: 30fps (1920×1080, 1280×960, 1280×720, 704×480, 640×480, 352×240)
Video compression	H.265 Ultra / H.265 / H.264 Ultra / H.264 / MJPEG
Image settings	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client software/browser
Smart features	Motion detection, Line crossing detection, region entrance detection, intrusion detection, region exiting detection. Smart tracking: Manual tracking, auto-tracking (human or vehicle by software setting)

ORDERING INFORMATION

- SED-66135VR-Y40

SED-66135VR-Y40

AUDIO / ALARM

Audio Compression	G.711A, G.711U
Audio I/O	1 input, line level, 2.0-2.4vpp, impedance 1K Ω ; 1 output, line level, output impedance: 600 Ω
Alarm Linkage	Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.
Alarm I/O	1-ch alarm input 1-ch alarm output

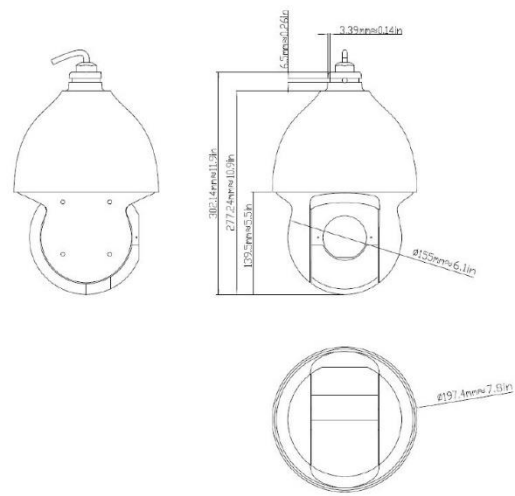
NETWORK

Local storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE, P2P
Security	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Users	Up to 16 users
User levels	3 levels: Administrator, Advanced User and Normal User
Network interface	1 RJ45 10M/100M adaptive Ethernet port
Compliance	ONVIF (Profile S, Profile G, Profile T)

GENERAL

Power supply and consumption	24 VDC \pm 25% (included) PoE+ (802.3.at, type 2) Max 23.5W, include IR and PTZ working
Operating conditions	-40°C to 70°C (-40°F to 158°F) Humidity 95% or less (non-condensing)
Protection	IP66
Impact protection	IK10 (excluding glass window)
Surge protection	6000V Lightning Protection, Surge Protection and Voltage Transient Protection
NDAA	Compliant
Dimensions	\varnothing 302 mm \times 197 mm (\varnothing 11.9" \times 7.75")
Weight	Approx. 3.0 kg (6.61 lb.)

DIMENSIONS



ACCESSORIES



SID-36135R-EXY(xx)

4MP Network Speed PTZ
Dome Camera



RELEVANT FEATURES AND FUNCTIONS

- Progressive Scan CMOS sensor
- 4 Megapixel resolution
- 25x or 32x optical zoom
- Outdoor (IP66)
- Vandalproof (IK10)
- IR up to 200m



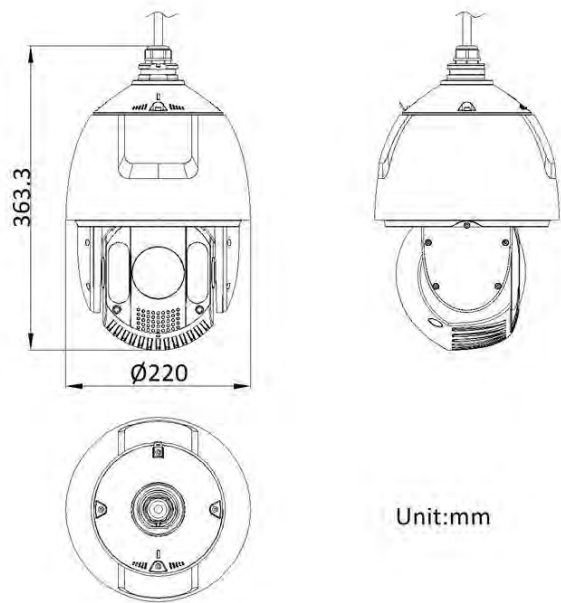
ORDERING INFORMATION

- SID-36135R-EXY25: 25x zoom
- SID-36135R-EXY32: 32x zoom

SID-36135R-EXY25		SID-36135R-EXY32	
CAMERA			
Sensor	1/2.8" Progressive Scan CMOS		1/1.8" progressive scan CMOS
Min. illumination	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON) 0 Lux with IR		Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux@(F1.5, AGC ON), 0 Lux with IR
White balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp		
Slow shutter	Yes		
Shutter time	1/1 s - 1/30,000 s		
Lens	4.8 mm to 120 mm, 25x optical zoom	5.9 mm to 188.8 mm, 32× optical zoom	
Angle of view	Horizontal FOV: 50.8° to 2.5° (Wide-Tele) Vertical FOV: 29.4° to 1.5° (Wide-Tele) Diagonal FOV: 57.4° to 3° (Wide-Tele)		
Aperture range	Max. F1.6	Max. F1.5	
Day/Night	IR cut filter		
Digital zoom	16x		
Zoom speed	Approx. 4.8 s (optical lens, wide-tele)		
Focus	Auto/Semi-automatic/Manual		
Privacy mask	24 programmable polygon privacy masks, mask color or mosaic configurable		
Wide Dynamic Range	120 dB WDR		
Image usability	BLC / HLC / 3D DNR / Defog / EIS / Regional exposure / Regional focus		
IR range	Up to 200m		
PTZ MODULE			
Pan range & Speed	360°endless Pan Manual Speed: 0.1° to 160°/s Pan Preset Speed: 240°/s		
Tilt Range & Speed	-15° to 90° (Auto Flip) Tilt Manual Speed: 0.1° to 120°/s Tilt Preset Speed: 200°/s		
Presets	300		
Patrol scan	8 patrols, up to 32 presets for each patrol		
Pattern scan	4 pattern scans, record time over 10 minutes for each scan		
Park action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan		
VIDEO			
Max. resolution	2560 × 1440		
Frame rate	Main stream: 50Hz:25fps (2560×1440, 1920×1080,1280×960,1280×720) 60Hz: 30fps (2560×1440, 1920×1080,1280×960,1280×720) Sub-Stream: 50Hz: 25fps (704×576, 640×480, 352×288) 60Hz: 30fps (704×480, 640×480, 352×240) Third Stream: 50Hz: 25fps (1920×1080, 1280×960, 1280×720, 704×576, 640×480, 352×288) 60Hz: 30fps (1920×1080, 1280×960, 1280×720, 704×480, 640×480, 352×240)		
Video compression	H.265 Ultra / H.265 / H.264 Ultra / H.264 / MJPEG		
Video bitrate	32 Kbps to 16 Mbps		
ROI encoding	8 fixed regions for each stream		
Image settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser		
Smart features	Smart event: Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection. Smart tracking: Manual tracking, auto-tracking. Face capture: Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face. Perimeter protection: Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)		

SID-36135R-EXY25		SID-36135R-EXY32
AUDIO / ALARM		
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, AAC, PCM	
Audio Bitrate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)/16-64 Kbps (AAC)	
Audio I/O	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω 1 built-in speaker with effective distance reaching max. 30 meters	
Alarm Linkage	Alarm actions, such as Notify Surveillance Center, Upload to FTP, Send Email, Trigger Recording, Recording Linkage, and Alarm Input, etc.	
Alarm I/O	2-ch alarm input 1-ch alarm output	
NETWORK		
Local storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	
Network storage	Support NAS (NFS, SMB/ CIFS)	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour	
Security	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering	
Simultaneous live views	Up to 20 channels	
Users	Up to 32 users	
User levels	3 levels: Administrator, Operator and User	
Network interface	1 RJ45 10M/100M self-adaptive Ethernet port	
Compliance	ONVIF; ISAPI; ISUP	
GENERAL		
Power supply and consumption	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE	
Operating conditions	-30°C to 65°C (-22°F to 149°F) Humidity 90% or less (non-condensing)	
Material	ADC12	
Protection	IP66	
Impact protection	IK10 (excluding glass window)	
Surge protection	TVS 6000V lightning protection, surge protection and voltage transient protection	
Dimensions	Ø 220 mm × 363.3 mm (Ø 8.66" × 13.91")	
Weight	Approx. 5.0 kg (11.03 lb.)	

DIMENSIONS



ACCESSORIES



SEC-3511R-EXY4

2 MP Fixed Network Bullet
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.7" Progressive Scan CMOS Sensor
- 2 Megapixel resolution
- 4 mm lens
- 120 dB WDR
- Outdoor (IP67)
- Up to 30 m



SEC-3511R-EXY4

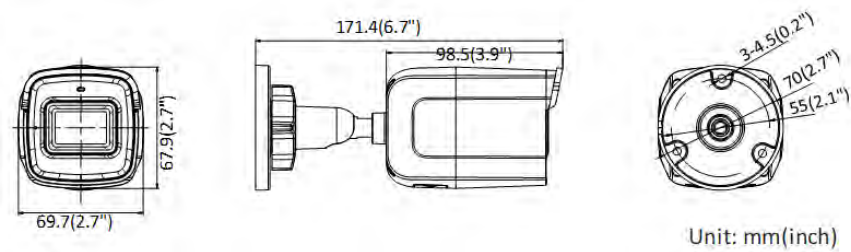
CAMERA	
Sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Focal length	4mm
Angle of view	Horizontal FOV: 91.5° Vertical FOV: 46.1° Diagonal FOV: 109.8
Lens mount	M12
Shutter time	1/3 s ~ 1/100,000 s
Slow shutter	Yes
Day/Night	IR cut filter with auto switch
Wide Dynamic Range	120 dB WDR
Image usability	3D DNR/BLC
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
IR Distance	30 m
VIDEO	
Max. resolution	1920 × 1080
Frame rate	Main stream: 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) Sub stream: 50Hz: 25 fps (640 × 480, 640 × 360) 60Hz: 30 fps (640 × 480, 640 × 360)
Video compression	H.265 Ultra / H.265 / H.264 Ultra / H.264 / MJPEG
Video bit rate	32 Kbps - 8 Mbps
Video Streaming	Dual stream
Image settings	Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
Region of Interest	Support 1 fixed region for main stream
Smart Features	Line crossing detection, intrusion detection
AUDIO/ALARM	
Alarm trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD error, HDD full
NETWORK	
Local storage	Built-in Micro SD/SDHC/SDXC slot, up to 256 GB
Network storage	NAS (Support NFS,SMB/CIFS)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS
Communication interface	1 RJ45 10 M / 100 M self-adaptive Ethernet port
Simultaneous Live View	Up to 6 channels
Users	Up to 32 users 3 levels: Administrator, Operator and User
Security	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark
Compliance	ONVIF (Profile S, Profile G), ISAPI

ORDERING INFORMATION

- SEC-3511R-EXY4

SEC-3511R-EXY4	
GENERAL	
Power supply	12 V DC \pm 25% PoE (802.3af class 3)
Power consumption	12 VDC, 0.4 A, max. 5 W PoE (802.3af, 36 to 57 V), 0.2 A to 0.15 A, max. 6.5 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP67
Material	Front Cover: Plastic Back cover: Metal
Dimensions	69.7 mm \times 67.9 mm \times 171.4 mm (2.7" \times 2.7" \times 6.7")
Weight	350 g (0.8 lb)

DIMENSIONS



ACCESSORIES



SES-1280XS
Junction box

SEC-6611R-EYM2

4 MP Varifocal Network Bullet
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/3" Progressive Scan CMOS Sensor
- 4 Megapixel resolution
- 2.8-12 mm motorized lens
- 120dB WDR
- Outdoor (IP67)
- Up to 50 m



SEC-6611R-EYM2

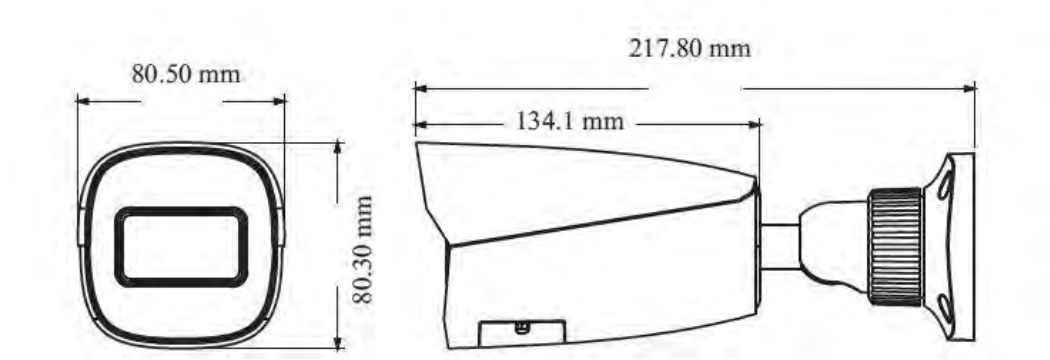
CAMERA	
Sensor	1/3" Progressive Scan CMOS
Min. illumination	0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR
Focal length	2.8 – 12 mm motorized lens
Angle of view	Horizontal FOV: 92° to 31° Vertical FOV: 48° to 17.2° Diagonal FOV: 112° to 35.6°
Lens mount	Ø14
Shutter time	1/2 s ~ 1/100,000 s
Day/Night	IR cut filter with auto switch
Wide Dynamic Range	120 dB WDR
Image usability	BLC, HLC, 3D DNR, Defog
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
IR Distance	Up to 30-50 m
VIDEO	
Max. resolution	2560 × 1440
Frame rate	Main stream: 50 Hz: 25 fps (2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720) Sub stream: 50Hz: 25 fps (1280 × 720, D1, CIF) 60Hz: 30 fps (1280 × 720, D1, CIF) Third stream: 50Hz: 25 fps (D1, CIF, 480 x 240) 60Hz: 30 fps (D1, CIF, 480 x 240)
Video compression	H.265 Ultra / H.265 / H.264 Ultra / H.264 / MJPEG
Video bit rate	64 Kbps - 8 Mbps
Image settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser
Region of Interest	Each ROI to be configured separately
Smart features	Line crossing detection, intrusion detection, scene change detection, video blur detection. Motion detection
AUDIO/ALARM	
Audio I/O	1-ch audio input
NETWORK	
Local storage	Built-in Micro SD slot, up to 256 GB
Network storage	Support
Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, QoS
Communication interface	1 RJ45
Users	Up to 3 users
Security	Reset, watermark, IP address filtering, video mask, heartbeat, illegal login lock
Compliance	ONVIF (Profile S, Profile G, Profile T)

ORDERING INFORMATION


- SEC-6611R-EYM2

SEC-6611R-EYM2	
GENERAL	
Power supply	12 V DC PoE
Power consumption	< 8 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP67
NDA	Compliant
Dimensions	217.7 mm × 80.5 mm × 80.5 mm
Weight	Approx. 660 g


DIMENSIONS




ACCESSORIES




SES-6301
Junction box



SES-6501
Vertical pole mount (match up with SES-6301)



SES-6601
Vertical pole mount (match up with SES-6301)



SES-6810
Vertical pole mount (match up with SES-6301)

SEC-3613NR-XMAJ2

4 MP Varifocal Network Bullet Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/3" Progressive Scan CMOS Sensor
- 4 Megapixel resolution
- 2.8 to 12 mm motorized lens
- 120 dB WDR
- Outdoor (IP67)
- Vandalproof (IK10)
- Up to 60 m
- BNC integrated



ORDERING INFORMATION

- SEC-3613NR-XMAJ2

SEC-3613NR-XMAJ2

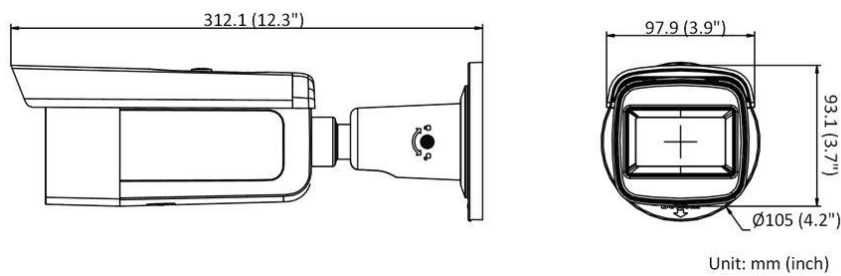
CAMERA	
Sensor	1/3" Progressive Scan CMOS
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Focal length	2.8 - 12 mm motorized lens @F1.6
Focus	Auto
Angle of view	Horizontal FOV: 95.8° to 29.2° Vertical FOV: 50.6° to 16.4° Diagonal FOV: 114.6° to 33.4°
Lens mount	Ø14
Shutter time	1/3 s ~ 1/100,000 s
Slow shutter	Yes
Day/Night	IR cut filter with auto switch
Wide Dynamic Range	120 dB WDR
Image usability	BLC/HLC/3D DNR
IR Distance	60 m
DORI distances	Detect: 64 m to 200 m Observe: 25.4 m to 79.4 m Recognize: 12.8 m to 40 m Identify: 6.4 m to 20 m
VIDEO	
Max. resolution	2688 × 1520
Frame rate	Main Stream: 50Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream: 50Hz: 25 fps (640 × 480, 640 × 360) 60Hz: 30 fps (640 × 480, 640 × 360) Third Stream: 50Hz: 25 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60Hz: 30 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
Video bit rate	32 Kbps - 8 Mbps
ROI	1 fixed region for main stream and sub-stream
Image settings	Rotate, mirror, privacy masks, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Smart Features	Line crossing detection, intrusion detection. Supports human and vehicle targets classification. Face detection.
AUDIO/ALARM	
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium
Audio compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio bit rate	64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/16Kbps-64Kbps(AAC)/32-192Kbps(MP2L2)/8-320Kbps(MP3)
Alarm I/O	1 input, 1 output (max. 12 VDC, 30 mA)
Alarm trigger	Motion detection (human and vehicle), video tampering alarm, exception, network disconnected, IP address conflict, illegal login, HDD full, HDD error
NETWORK	
Local storage	Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB
Network storage	NAS (Support NFS/SMB/CIFS)
Communication interface	1 RJ45 10M/100M self-adaptive Ethernet port
BNC	BNC connector integrated
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE
Security	One-key reset, anti-flicker, heartbeat, password reset via e-mail, pixel counter
Compliance	ONVIF (Profile S, Profile G), ISAPI

SEC-3613NR-XMAJ2

GENERAL

Power supply	12 VDC \pm 25%, Ø5.5 mm coaxial power plug PoE: 802.3at, Class 4
Power consumption	12 VDC, 1.08 A, max. 13 W PoE: (802.3at, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W
Operating conditions	-30 °C to 60 °C (-22°F to 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP67
Impact protection	IK10
Material	Aluminum alloy body
Dimensions	308.5 × 97.9 × 93 mm (12.2" × 3.9" × 3.7")
Weight	Approx. 1390 g (3.1 lb.)

DIMENSIONS



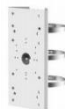
ACCESSORIES



SES-1260
Junction box (included)



SES-1280S
Junction box



SES-1275-S
Vertical pole mount bracket



SES-1275-XS
Vertical pole mount bracket



SES-1276-S
Corner mount bracket

SEC-3913NR-XMA2

8 MP VF Bullet Network
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.8" Progressive Scan CMOS Sensor
- 8 Megapixel resolution
- 2.8 to 12 mm motorized lens
- 120 dB WDR
- Outdoor (IP67)
- Vandalproof (IK10)
- Up to 60 m



SEC-3913NR-XMA2

CAMERA	
Sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Focal length	2.8 - 12 mm motorized lens @F1.6
Focus	Auto
Angle of view	Horizontal FOV 108° to 30° Vertical FOV 56° to 17° Diagonal FOV 131° to 35°
Lens mount	Ø14
Angle adjustment	Pan: 0° to 355°, Tilt: 0° to 90°, Rotate: 0° to 360°
Shutter time	1/3 s ~ 1/100,000 s
Slow shutter	Support
Day/Night	IR Cut Filter (Day/Night/Auto/Schedule/Triggered by Alarm in)
Wide Dynamic Range	120 dB WDR
Image usability	BLC/HLC/3D DNR
IR Distance	Up to 60 m
DORI distances	Detect: 97 m to 290 m Observe: 38 m to 115 m Recognize: 19 m to 58 m Identify: 9 m to 29 m
VIDEO	
Max. resolution	3840 × 2160
Frame rate	Main Stream: 50 Hz: 20 fps (3840 × 2160) 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub Stream: 50Hz: 25fps (640 × 480, 640 × 360) 60Hz: 30fps (640 × 480, 640 × 360) Third Stream: 50Hz: 10fps (920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60Hz: 10fps (920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
Video bit rate	32 Kbps to 16 Mbps
Region of interest	Support 1 fixed region for main stream and sub-stream
Image settings	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Smart Features	Line crossing detection, intrusion detection, human and vehicle targets classification. Face detection.
AUDIO/ALARM	
Audio compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio bit rate	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC (MP2L2)
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	1 input, 1 output (max. 24VDC/24 VAC, 1 A)
Alarm actions	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error

ORDERING INFORMATION

- SEC-3913NR-XMA2

SEC-3913NR-XMA2

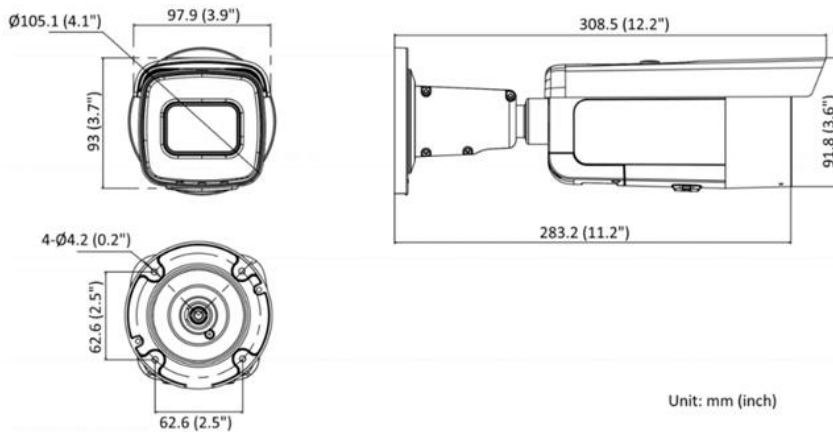
NETWORK

Local storage	Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB
Network storage	NAS (Support NFS,SMB/CIFS)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M/100M Ethernet port
Video output	1Vp-p composite output (75 Ω /CVBS) for adjustment only
Compliance	ONVIF (Profile S, Profile G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
General Function	One-key reset, anti-flicker, three streams, heartbeat, password protection, privacy mask, watermark, IP address filter

GENERAL

Power supply	12 VDC \pm 25%, Φ 5.5 mm coaxial power plug PoE (802.3at, class 4)
Power consumption	12 VDC, 1.08 A, max. 13 W PoE (802.3at, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP67
Impact protection	IK10
Material	Metal
Dimensions	308.5 \times 97.9 \times 93 mm (12.2" \times 3.9" \times 3.7")
Weight	Approx. 1385 g (3.1 lb.)

DIMENSIONS



ACCESSORIES



SES-1260
Junction box



SES-1280S
Junction box



SES-1275-S
Vertical pole mount



SES-1275-XS
Vertical pole mount



SES-1276-S
Corner mount

SIC-3813VR-XYM7

6 MP VF Bullet Network
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.4" Progressive Scan CMOS Sensor
- 6 Megapixel resolution
- 7 to 35 mm motorized lens
- 120 dB WDR
- Outdoor (IP67)
- Vandalproof (IK10)
- Up to 80 m



SIC-3813VR-XYM7

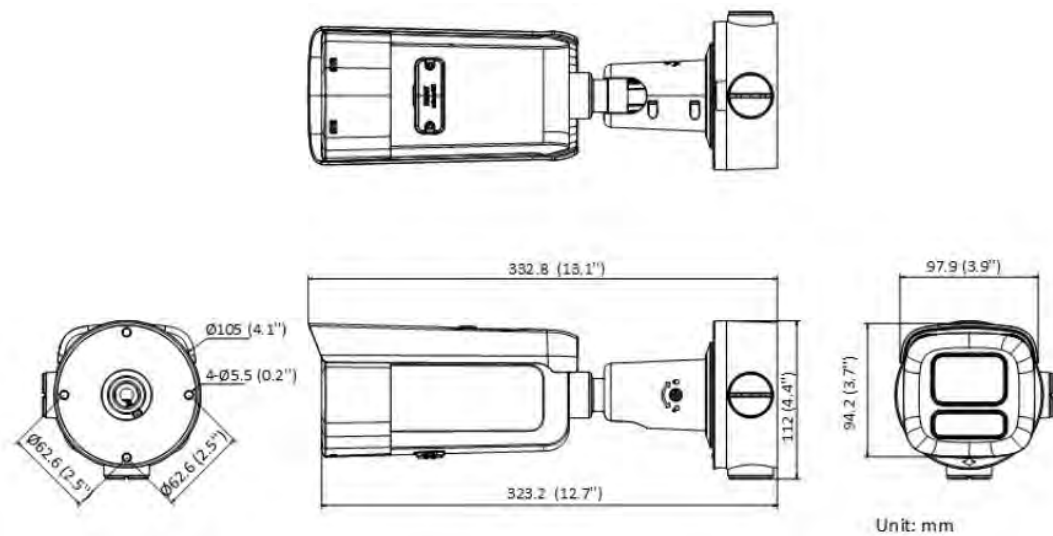
CAMERA	
Sensor	1/2.4" Progressive Scan CMOS
Min. illumination	0.003 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Focal length	7 to 35 mm motorized lens @F1.6
Angle of view	Horizontal FOV 34.4° to 12.5° Vertical FOV 19° to 7.1° Diagonal FOV 39.8° to 14.3°
Lens mount	Integrated
Angle adjustment	Pan: 0° to 355°, Tilt: 0° to 90°, Rotate: 0° to 360°
Iris type	Auto-iris
Shutter time	1/3 s ~ 1/100,000 s
Slow shutter	Support
Day/Night	IR Cut Filter (Auto / Schedule / Alarm trigger)
Wide Dynamic Range	120 dB WDR
Signal Noise ratio	≥ 52 dB
Image usability	BLC / HLC / 3D DNR / EIS / Defog
IR Distance	Up to 80 m
DORI Distances	Detect: 218 to 580 m Observe: 86 to 230 m Recognize: 43 to 116 m Identify: 21 to 58 m
VIDEO	
Max. resolution	3200 x 1800
Frame rate	Main Stream: 50Hz: 20fps (3200 x 1800), 25fps (2688×1520, 1920×1080, 1280×720) 60Hz: 20fps (3200 x 1800), 25fps (2688×1520, 1920×1080, 1280×720) Sub Stream: 50Hz: 25fps (1280 x 720, 640 × 480, 640 x 360) 60Hz: 30fps (1280 x 720, 640 × 480, 640 x 360) Third Stream: 50Hz: 10 fps (1020 x 1080, 1280 × 720, 640 × 480, 640 × 360) 60Hz: 10 fps (1020 x 1080, 1280 × 720, 640 × 480, 640 × 360) Fourth Stream: 50Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
Video bit rate	32 Kbps to 16 Mbps
Region of interest	5 fixed regions for main stream and sub-stream
Image settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser
Smart Features	Basic event: Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception. Smart event: Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection. Face capture. People counting.
AUDIO/ALARM	
Audio compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)
Alarm actions	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error

ORDERING INFORMATION

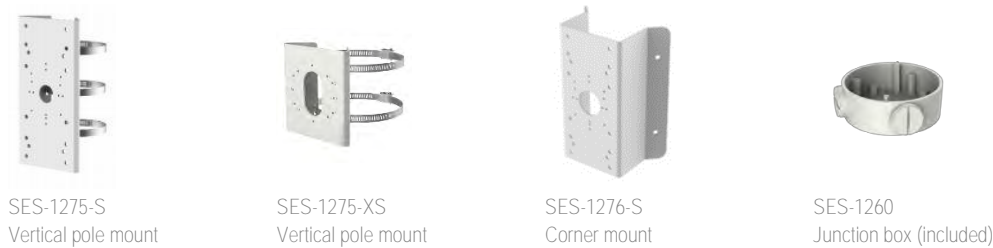
- SIC-3813VR-XYM7

SIC-3813VR-XYM7	
NETWORK	
Local storage	Built-in Micro SD / SDHC / SDXC card slot, up to 512 GB
Network storage	NAS (Support NFS,SMB/CIFS)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP, SRTP
Communication interface	1 RJ45 10M/100M Ethernet port
Compliance	ONVIF (Profile S, Profile G, Profile T), ISAPI, ISUP
Simultaneous Live View	Up to 6 channels Up to 32 users 3 user levels: administrator, operator, and use
General Function	One-key reset, anti-flicker, four streams, heartbeat, password protection, privacy mask, watermark, IP address filter
GENERAL	
Power supply and consumption	12 VDC \pm 25%, 1.08 A, max. 13 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 15 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP67
Impact protection	IK10
Dimensions	\varnothing 105 mm \times 332.8 mm (\varnothing 4.1" \times 13.1")
Weight	Approx. 1475 g (2.9 lb)

DIMENSIONS



ACCESSORIES



SEM-6511VR-EY2

2 MP Fixed Network Minidome
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.8" Progressive Scan CMOS Sensor
- 2 Megapixel resolution
- 2.8 mm lens
- Digital WDR
- Outdoor (IP67)
- Vandalproof (IK10)
- Up to 30 m



SEM-6511VR-EY2

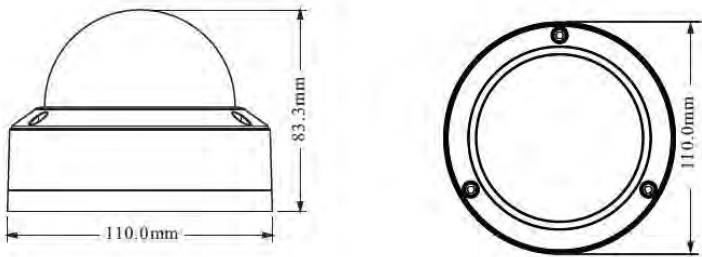
CAMERA	
Sensor	1/2.8" Progressive Scan CMOS
Min. illumination	0.008 lux @F1.6, AGC ON; 0 lux with IR.
Focal length	2.8 mm lens @F1.6
Focus	Fixed
Angle of view	Horizontal FOV 107° Vertical FOV 56° Horizontal FOV 126°
Lens mount	M12
Shutter time	1/3 s to 1/100,000 s
Day/Night	IR Cut Filter (Auto switch)
Angle Adjustment	Pan : 0° to 355°, Tilt : 0° to 70°, Rotation : 0° to 355°
Wide Dynamic Range	Digital WDR
Image usability	BLC, HLC, 3D DNR
IR Distance	20 - 30 m
DORI distances	Detect: 40.62 m Observe: 16.25 m Recognize: 8.12 m Identify: 4.06 m
VIDEO	
Max. resolution	1920 x 1080
Frame rate	Main Stream: 50Hz: 1-25fps (1920 x 1080, 1280 x 720) 60Hz: 1-30fps (1920 x 1080, 1280 x 720) Sub Stream: 50Hz: 1-25fps (1280 x 720, D1, CIF) 60Hz: 1-30fps (1280 x 720, D1, CIF)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
Video bit rate	128 Kbps to 4 Mbps
ROI	Each ROI to be configured separately
Image settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
Smart features	Line crossing detection, region intrusion detection, scene change, abandoned/missing object detection
AUDIO/ALARM	
Audio I/O	1ch- input;
NETWORK	
Local storage	Built-in micro SD card slot: up to 256GB
Network storage	Network remote storage
Communication interface	1 RJ45
Protocols	IPv4, IPv6, UDP, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, QoS
Simultaneous Live View	Up to 3 users
Security	Watermark, IP address filtering, video mask, heartbeat, illegal login lock
Compliance	ONVIF

ORDERING INFORMATION

- SEM-6511VR-EY2

SEM-6511VR-EY2	
GENERAL	
Power supply	12 VDC PoE
Power consumption	< 3.5 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP67
Impact protection	IK10
NDA	Compliant
Dimensions	Ø 110 × 83.3 mm
Weight	500 g

DIMENSIONS



ACCESSORIES



SES-6302
Junction box



SES-6501
Vertical pole mount



SES-6601
Corner mount



SES-6407
Wall mount

SEM-3513R-EY(A)(x)

2 MP IR Fixed Network dome
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.7" Progressive Scan CMOS Sensor
- 2 Megapixel resolution
- Fixed lens
- Outdoor & Vandalproof
- Up to 30 m



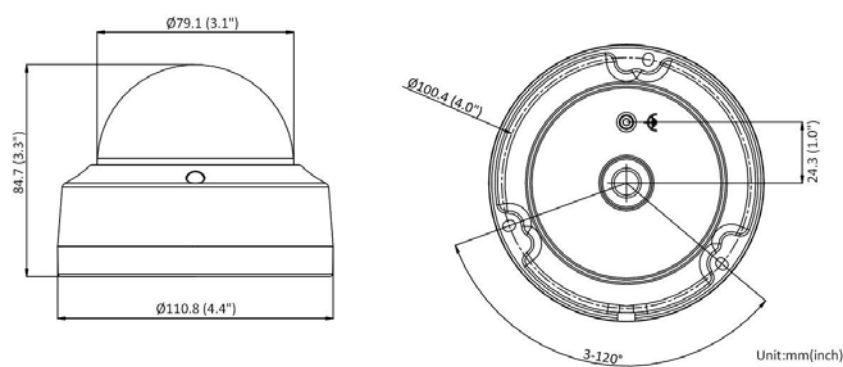
SEM-3513R-EY2				SEM-3513R-EY4		SEM-3513R-EYA2	
CAMERA							
Sensor		1/2.7" Progressive Scan CMOS					
Min. illumination		Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR					
Focal length		2.8 mm		4 mm		2.8 mm	
Focus		Fixed					
Aperture		F1.6					
Angle of view		Horizontal FOV: 111.6°, Vertical FOV: 59.1°, Diagonal FOV: 133.9°		Horizontal FOV: 91.5°, Vertical FOV 46.1°, Diagonal FOV: 109.8°		Horizontal FOV: 111.6°, Vertical FOV: 59.1°, Diagonal FOV: 133.9°	
Angle adjustment		Pan: 0° to 355°; Tilt: 0° to 75°; Tilt: 0° to 355°					
Lens mount		M12					
Shutter time		1/3 s ~ 1/100,000 s					
Slow shutter		Yes					
Day/Night		IR cut filter					
Wide Dynamic Range		120 dB WDR					
Image usability		BLC / 3D DNR / ROI					
IR Distance		Up to 30 m					
VIDEO							
Max. resolution		1920 × 1080					
Frame rate		Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720) Sub stream: 50Hz: 25fps (640 × 480, 640 × 360) 60Hz: 30fps (640 × 480, 640 × 360)					
Video compression		H.265 Ultra / H.265 / H.264 Ultra / H.264 / MJPEG					
Video bit rate		32 Kbps - 8 Mbps					
ROI encoding		1 fixed region for main stream					
Video Streaming		Dual stream					
Image settings		Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser					
Smart Features		Line crossing detection, intrusion detection					
AUDIO / ALARM							
Audio I/O		Not support				1 input (line in), 1 output (line out)	
Alarm trigger		Not support				Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error	
Alarm I/O		Not support				1 input, 1 output (max. 12 VDC, 30 mA)	
NETWORK							
Local storage		Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB					
Network storage		NAS (Support NFS,SMB/CIFS)					
Protocols		TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, Ipv6, Bonjour					
Security		One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter					
Network interface		1 RJ45 10 M/100 M Ethernet Interface					
Compliance		ONVIF (Profile S, Profile G), ISAPI					
Simultaneous live view		Up to 6 channels					
Users		Up to 32 users. 3 levels: administrator, operator and user					

ORDERING INFORMATION

- SEM-3513R-EY2: 2.8mm lens
- SEM-3513R-EY4: 4mm lens
- SEM-3513R-EYA2: 2.8mm lens; I/O

	SEM-3513R-EY2	SEM-3513R-EY4	SEM-3513R-EYA2
GENERAL			
Power supply and consumption	12 VDC \pm 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug; PoE (802.3af class 3, 36V-57V), 0.2 A to 0.15 A, max. 6.5 W		
Operating conditions	-30°C to 60°C (-22°F to 140°F) Humidity 95% or less		
Protection level	IP67		
Impact protection	IK10		
Dimensions	Ø 111 mm × 82.4 mm (Ø 4.4" × 3.2")		
Weight	497 g (1.1 lb.)		

DIMENSIONS



ACCESSORIES



SES-1258
Wall mount bracket



SES-12710
Wall mount bracket



SES-12710B
Wall mount bracket with
junction box



SES-7110
Pendant mount bracket



SES-1275-S
Vertical pole mount bracket
(match up with SES-12710(B))



SES-1276-S
Corner mount bracket
(match up with SES-12710(B))



SES-1280-D18
Junction box



SES-1259
Inclined ceiling mount bracket

SEM-6511R5-EY

2 MP Varifocal Network
Minidome Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.8" Progressive Scan CMOS Sensor
- 2 Megapixel resolution
- 2.8-12 mm lens
- Digital WDR
- Outdoor (IP67)
- Up to 50 m



SEM-6511R5-EY

CAMERA

Sensor	1/2.8" Progressive Scan CMOS
Min. illumination	0.0035 lux @F1.2, AGC ON; 0 lux with IR 0.009 lux @F1.6, AGC ON; 0 lux with IR.
Focal length	2.8 – 12 mm lens @F1.4
Lens mount	Φ14
Angle of view	Horizontal FOV 93.5° to 31.9° Vertical FOV 49° to 18.4° Diagonal FOV 112° to 35°
Angle adjustment	Pan: 0° to 360°, Tilt: 0° to 80°, Rotate: 0° to 360°
Shutter time	1s to 1/100,000 s
Day/Night	IR Cut Filter (Auto switch)
Wide Dynamic Range	Digital WDR
Image usability	BLC, HLC, defog, 3D DNR
IR range	30 - 50 m

VIDEO

Max. resolution	1920 x 1080
Frame rate	Main Stream: 50Hz: 1-25fps (1920 x 1080, 1280 x 720) 60Hz: 1-30fps (1920 x 1080, 1280 x 720) Sub Stream: 50Hz: 1-25fps (D1, CIF) 60Hz: 1-30fps (D1, CIF)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
Video bit rate	64 Kbps to 6 Mbps
ROI	Each ROI to be configured separately
Image settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, Image Flip, Image Mirror, etc. adjustable through client software or web browser

AUDIO/ALARM

Audio I/O	Built-in MIC
Audio compression	G711A / U
Alarm trigger	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection

NETWORK

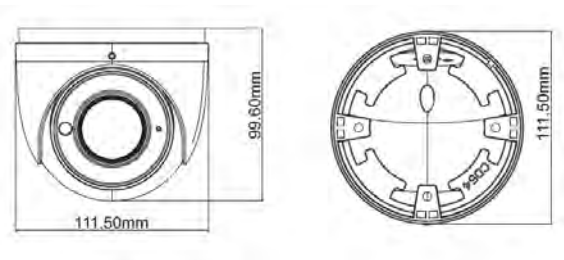
Local storage	Built-in micro SD card slot; up to 128GB
Network storage	Network remote storage
Communication interface	1 RJ45
Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, HTTP, FTP, 802.1x, UPnP, HTTPs, QoS
Simultaneous Live View	Up to 3 users
Security	Watermark, IP address filtering, video mask, heartbeat, illegal login lock
Compliance	ONVIF (profile G, S)

ORDERING INFORMATION

- SEM-6511R5-EY

SEM-6511R5-EY	
GENERAL	
Power supply	12 VDC PoE
Power consumption	< 7.5 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP67
NDA	Compliant
Dimensions	Φ 111.5 × 99.6 mm
Weight	640 g

DIMENSIONS



ACCESSORIES



SES-6302
Junction box



SES-6501
Vertical pole mount (match up with SES-6407)



SES-6601
Corner mount (match up with SES-6407)



SES-6407
Wall mount



SES-6810
Pendant mount (match up with SES-6302)

SEM-3513NR-XYMA

2 MP IR VF Minidome Network
Camera



RELEVANT FEATURES AND FUNCTIONS

- 2 Megapixel resolution
- 2.8 - 12 mm varifocal lens
- Motorized lens
- Up to 40 meters IR range
- 120 dB WDR
- Outdoor (IP67)
- Vandalproof (IK10)



SEM-3513NR-XYMA

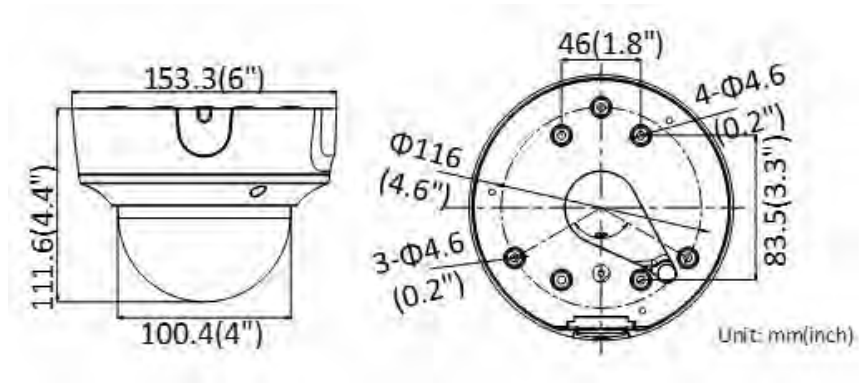
CAMERA	
Sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Lens	2.8 - 12 mm @ F1.6
Focus	Auto (motorized lens)
Field of view	Horizontal FOV: 98° to 38° Vertical FOV: 52° to 21° Diagonal FOV: 115° to 43°
Angle adjustment	Pan: 0° - 355°, tilt: 0° - 75°, rotation: 0° - 355°
Lens mount	Ø14
Shutter time	1/3 s ~ 1/100,000 s
Slow shutter	Yes
Day/Night	IR cut filter
Wide Dynamic Range	120 dB WDR
Image usability	3D DNR / BLC
IR Distance	Up to 40 m
VIDEO	
Max. resolution	1920 × 1080
Frame rate	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720) Sub stream: 50Hz: 25fps (640 × 480, 640 × 360) 60Hz: 30fps (640 × 480, 640 × 360)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
ROI encoding	1 fixed region for main stream
Video bit rate	32 Kbps - 8 Mbps
Image settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser
Region of interest	1 fixed region for main stream
Smart Features	Line crossing detection, intrusion detection
AUDIO/ALARM	
Audio compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC
Audio bit rate	(G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC)
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Alarm I/O	1 input, 1 output, (max. 12 VDC, 30 mA)
NETWORK	
Local storage	Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10 M / 100 M Ethernet interface
Security	One-key reset, anti-flicker, heartbeat, dual stream, mirror, password protection, privacy mask, watermark, IP address filter
Compliance	ONVIF, ISAPI

ORDERING INFORMATION

- SEM-3513NR-XYMA

SEM-3513NR-XYMA	
GENERAL	
Power supply and consumption	12 VDC \pm 25%, 0.8 A, max. 10 W, Ø5.5 mm coaxial power plug PoE: (802.3af, Class 3, 36 V to 57 V), 0.21 A to 0.33 A, max. 12 W
Operating conditions	-30 °C to 60 °C (-22°F to 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP67
Impact protection	IK10
Dimensions	Ø153.3 mm \times 111.6 mm (6" \times 4.4")
Weight	Approx. 880 g (1.9 lb.)

DIMENSIONS



ACCESSORIES



SES-1471-155
Pendant mount



SES-1473-155
Wall mount



SES-1473-155B
Wall mount with junction box



SES-1475SU
Vertical pole mount



SES-1476SU
Corner mount



SES-1280-D55
Junction box

SEM-3613VR-XYMJ

4 MP Varifocal Minidome
Network Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/3" Progressive Scan CMOS Sensor
- 4 Megapixel resolution
- 2.8 to 12 mm motorized lens
- 120 dB WDR
- Outdoor (IP67)
- Vandalproof (IK10)
- Up to 40m
- BNC integrated



SEM-3613VR-XYMJ

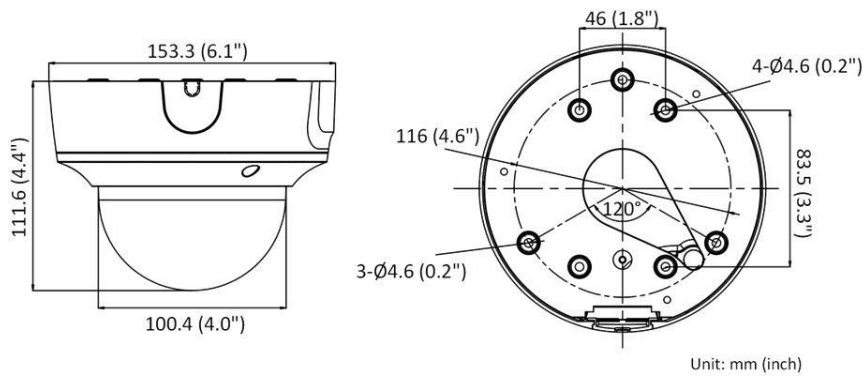
CAMERA	
Sensor	1/3" Progressive Scan CMOS
Min. illumination	0.005Lux @(F1.6,AGC ON), 0Lux with IR on
Lens	2.8 to 12mm motorized lens @F1.6
Focus	Auto
Field of view	Horizontal FOV: 95.8° to 29.2° Vertical FOV: 50.6° to 16.4° Diagonal FOV: 114.6° to 33.4°
Lens mount	Ø14
Shutter time	1/3 s ~ 1/100,000 s
Slow shutter	Yes
Day/Night	IR Cut Filter
Wide Dynamic Range	120 dB WDR
Image usability	BLC/HLC/3D DNR
IR Distance	Up to 40 m
DORI distances	Detect: 64 m to 200 m Observe: 25.4 m to 79.4 m Recognize: 12.8 m to 40 m Identify: 6.4 m to 20 m
VIDEO	
Max. resolution	2688 × 1520
Frame rate	Main Stream: 50Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream: 50Hz: 25fps (640 × 480, 640 × 360) 60Hz: 30fps (640 × 480, 640 × 360) Third Stream: 50Hz: 25fps (1280 × 720, 640 × 480, 640 × 360) 60Hz: 30fps (1280 × 720, 640 × 480, 640 × 360)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
Video bit rate	32 Kbps - 8 Mbps
Image settings	Rotate, mirror, privacy masks, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Smart Features	Motion detection (human and vehicle), video tampering alarm, exception. Line crossing detection, intrusion detection. Face detection
AUDIO/ALARM	
Alarm trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Alarm I/O	1 input, 1 output (max. 12 VDC, 30 mA)
Audio I/O	1 input (line in), max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium
NETWORK	
Local storage	Built-in Micro SD/SDHC/SDXC slot, up to 256 GB
Network storage	NAS (Support NFS, SMB/CIFS)
Communication interface	1 RJ45 10M/100M self-adaptive Ethernet port
BNC	BNC connector integrated
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Compliance	ONVIF (PROFILE S, PROFILE G), ISAPI

ORDERING INFORMATION

- SEM-3613VR-XYMJ

SEM-3613VR-XYMJ	
GENERAL	
Power supply	12 VDC \pm 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power consumption	12 VDC, 0.88 A, max. 10.5 W PoE: (802.3af, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP67
Impact protection	IK10
Material	Metal
Dimensions	\varnothing 153.3 mm \times 111.6 mm (\varnothing 6.1" \times 4.4")
Weight	Approx. 880 g (1.9 lb.)

DIMENSIONS



ACCESSORIES



SEM-3913VR-XYA

8 MP VF Minidome Network
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.8" Progressive Scan CMOS Sensor
- 8 Megapixel resolution
- 2.8 - 12 mm motorized lens
- 120 dB WDR
- Outdoor (IP67)
- Vandalproof (IK10)



ORDERING INFORMATION

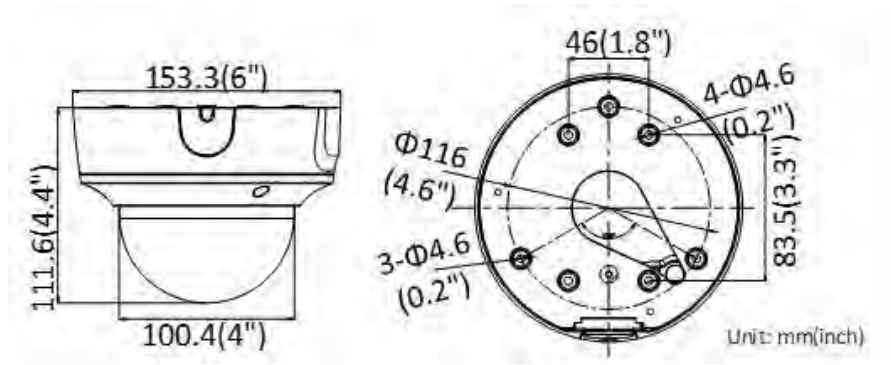
- SEM-3913VR-XYA

SEM-3913VR-XYA

CAMERA	
Sensor	1/8" Progressive Scan CMOS
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Lens	2.8 to 12mm motorized lens @F1.6
Focus	Auto
Field of view	Horizontal FOV 108° to 30° Vertical FOV 56° to 17° Diagonal FOV 131° to 35°
Angle adjustment	Pan: 0° to 355°, Tilt: 0° to 75°, Rotate: 0° to 355°
Lens mount	Ø14
Shutter time	1/3 s ~ 1/100,000 s
Slow shutter	Support
Day/Night	IR Cut Filter (Day/Night/Auto/Schedule/Triggered by Alarm in)
Wide Dynamic Range	120 dB WDR
Signal Noise ratio	≥ 52 dB
Image usability	BLC, HLC, 3D DNR
IR Distance	Up to 40 m
VIDEO	
Max. resolution	3840 × 2160
Frame rate	Main Stream: 50 Hz: 20 fps (3840×2160), 25 fps (3200×1800, 2688×1520, 1920×1080, 1280×720) 60 Hz: 20 fps (3840×2160), 30 fps (3200×1800, 2688×1520, 1920×1080, 1280×720) Sub Stream: 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) Third Stream: 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
Video bit rate	32 Kbps to 16 Mbps
Image settings	Saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
Region of interest	Support 1 fixed region for main stream and sub-stream
Smart Features	Line crossing detection, intrusion detection, human and vehicle targets classification, face detection
AUDIO/ALARM	
Audio compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio bit rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)
Audio I/O	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm I/O	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)
Alarm actions	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
NETWORK	
Local storage	Built-in Micro SD/SDHC/SDXC slot, up to 256 GB
Network storage	NAS (Support NFS, SMB/CIFS)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTPC, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M/100M Ethernet port
Compliance	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users; 3 levels: Administrator, Operator and User
General Function	One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter

SEM-3913VR-XYA	
GENERAL	
Power supply	12 VDC \pm 25%, reverse polarity protection PoE: 802.3af, Class 3
Power consumption	12 VDC, 0.88 A, max. 10.5 W PoE (802.3af, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP67
Impact protection	IK10
Material	Metal
Dimensions	\varnothing 153.3 mm \times 111.6 mm (\varnothing 6.1" \times 4.4")
Weight	Approx. 855 g (1.9 lb.)

DIMENSIONS



ACCESSORIES



SEM-6611VR-EY2

4 MP Fixed Network Minidome
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/3" Progressive Scan CMOS Sensor
- 4 Megapixel resolution
- 2.8 mm lens
- Digital WDR
- Outdoor (IP67)
- Vandalproof (IK10)
- Up to 30 m



SEM-6611VR-EY2

CAMERA

Sensor	1/3" Progressive Scan CMOS
Min. illumination	0.03 lux @F1.6, AGC ON; 0 lux with IR.
Focal length	2.8 mm lens @F1.6
Focus	Fixed
Angle of view	Horizontal FOV 98° Vertical FOV 53° Horizontal FOV 116°
Lens mount	M12
Shutter time	1/3 s to 1/100,000 s
Day/Night	IR Cut Filter (Auto switch)
Angle Adjustment	Pan : 0° to 355°, Tilt : 0° to 70°, Rotation : 0° to 355°
Wide Dynamic Range	Digital WDR
Image usability	BLC, HLC, 3D DNR
IR Distance	20 - 30 m
DORI distances	Detect: 56.52 m Observe: 22.61 m Recognize: 11.30 m Identify: 5.65 m

VIDEO

Max. resolution	2560 x 1440
Frame rate	Main Stream: 50Hz: 1-25fps (2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720) 60Hz: 1-30fps (2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720) Sub Stream: 50Hz: 1-25fps (1280 x 720, D1, CIF) 60Hz: 1-30fps (1280 x 720, D1, CIF) Third Stream: 50Hz: 1-25fps (D1, 480 x 240, CIF) 60Hz: 1-30fps (D1, 480 x 240, CIF)
Video compression	H.265/H.264/MJPEG
Video bit rate	64 Kbps to 8 Mbps
ROI	Each ROI to be configured separately
Image settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser

NETWORK

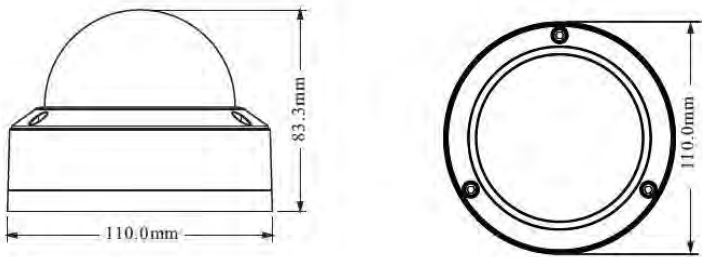
Network storage	Network remote storage
Communication interface	1 RJ45
Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, QoS
Simultaneous Live View	Up to 3 users
Security	Watermark, video mask, heartbeat, corridor pattern. Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPS
Compliance	ONVIF

ORDERING INFORMATION

- SEM-6611VR-EY2

SEM-6611VR-EY2	
GENERAL	
Power supply	12 VDC PoE, IEEE802.3af
Power consumption	< 4 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP67
Impact protection	IK10
NDA	Compliant
Dimensions	Φ 110 × 83.3 mm
Weight	500 g

DIMENSIONS



ACCESSORIES



SES-6302
Junction box



SES-6501
Vertical pole mount



SES-6601
Corner mount



SES-6407
Wall mount

SEP-1501-X3

2MP Pinhole Network Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.8" Progressive Scan CMOS
- 2 Megapixel resolution
- 3.7 mm lens
- 120 dB WDR



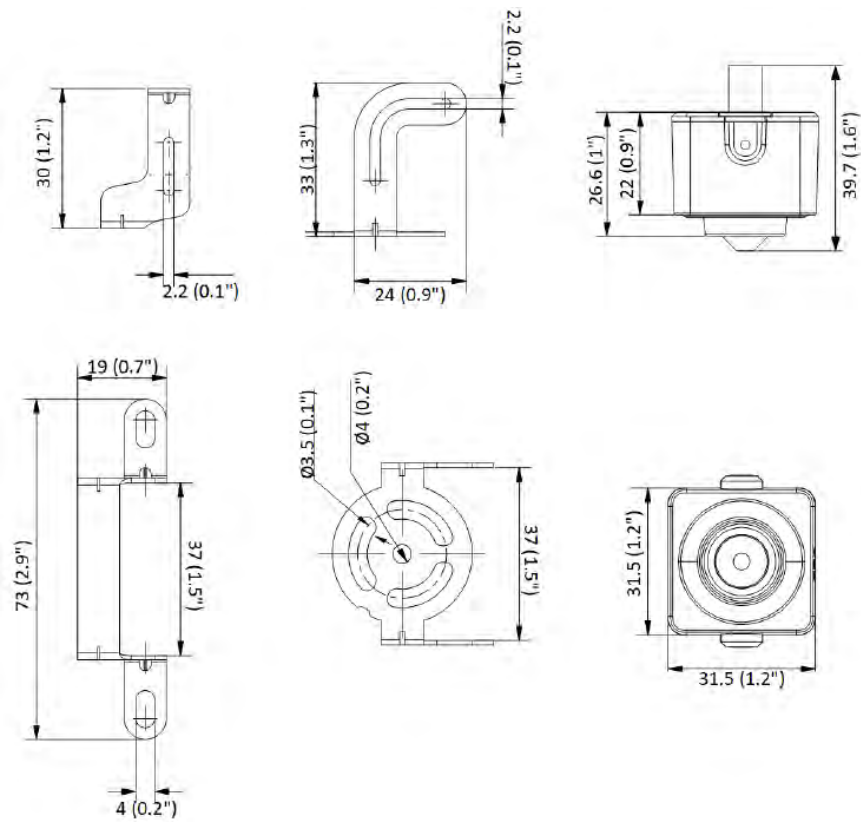
SEP-1501-X3

CAMERA	
Sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color: 0.0025 Lux @ (F1.2, AGC ON)
Shutter time	1/3 s to 1/100,000 s
Slow shutter	Yes
Lens	3.7 mm
Angle of view	Horizontal FOV 75.5°, vertical FOV 41.6°, diagonal FOV 87.3°
Day/Night	Day, Night, Auto, Schedule
Privacy mask	Support
Wide Dynamic Range	120 dB WDR
Image usability	BLC, HLC, defog, 3D DNR
VIDEO	
Max. resolution	1920 × 1080
Frame rate	Main Stream: 50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720) Sub Stream: 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240) Third Stream: 50Hz: 1fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60Hz: 1fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360, 320 × 240)
Video compression	H.265, H.264, MJPEG
ROI	Support 1 fixed region for main stream
Image settings	Saturation, brightness, contrast, and sharpness adjustable by client software or web browser
People counting	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, defocus detection, scene change detection.
AUDIO / ALARM	
Audio I/O	1 input (line in), 1 output (line out)
Alarm trigger	Motion detection, video tampering alarm, IP address conflict, illegal login
NETWORK	
Network storage	NAS (Support NFS, SMB/CIFS)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
Communication interface	1 RJ45 10M/100M Ethernet port
Compliance	ONVIF (Profile S, Profile G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Security measures	One-key reset, heartbeat, mirror, password protection, privacy mask, rotate, watermark, IP address filter
GENERAL	
Power supply and consumption	12 VDC ± 20%, 0.13A, max. 1.5W. Φ 5.5 mm coaxial plug power
Operating conditions	-30 °C to 60 °C (-22°F to 140°F) Humidity 95% or less (non-condensing)
Dimensions	31.5 mm × 31.5 mm × 39.7 mm (1.2" × 1.2" × 1.6")
Weight	Approx. 93 g (0.2 lb.)

ORDERING INFORMATION

- SEP-1501-X3

DIMENSIONS



SEP-3501-(Q)(B)(L)XA(x)

2 MP Pinhole Network Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.8" Progressive Scan CMOS Sensor
- 2 Megapixel resolution
- 2.8 or 3.7 mm lens optional
- Mini-bullet, Mini-square or Mini-tube sensor optional
- 120 dB WDR



ORDERING INFORMATION

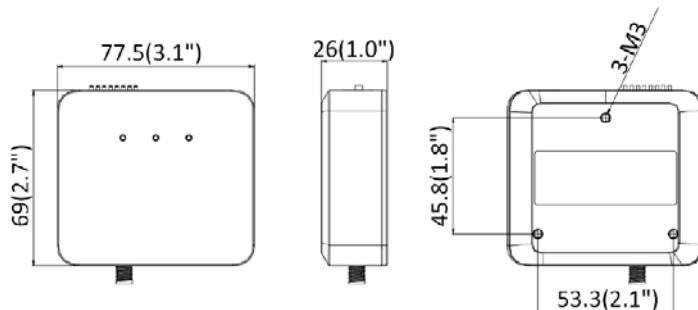
- SEP-3501-XA3: 3.7mm lens, 2m cable, mini-bullet
- SEP-3501-QXA2: 2.8mm lens, 2m cable, mini-square
- SEP-3501-QLXA2: 2.8mm lens, 8m cable, mini-square
- SEP-3501-BXA2: 2.8mm lens, 2m cable, mini-tube

SEP-3501-XA3		SEP-3501-QXA2		SEP-3501-BXA2	
CAMERA					
Sensor	1/2.8" Progressive Scan CMOS				
Min. illumination	0.002 Lux @ (F1.2, AGC ON)				
Focal length	3.7 mm Mini-bullet	2.8 mm Mini-square		2.8 mm Mini-tube	
Angle of view	Horizontal FOV 75.5°	Horizontal FOV 93.9°		Horizontal FOV 107.8°	
	Vertical FOV 41.6°	Vertical FOV 51.7°		Vertical FOV 57.9°	
	Diagonal FOV 87.3°	Diagonal FOV 109.3°		Diagonal FOV 126.7°	
Shutter time	1/3 s ~ 1/100,000 s				
Aperture	F2.5			F2.0	
Day/Night	IR Cut Filter (Auto / Schedule / Alarm trigger)				
Wide Dynamic Range	120 dB WDR				
Image usability	BLC / HLC / 3D DNR				
DORI Distances	Detect: 59.3 m	Detect: 47.9 m		Detect: 42.8 m	
	Observe: 23.5 m	Observe: 19 m		Observe: 17 m	
	Recognize: 11.9 m	Recognize: 9.6 m		Recognize: 8.6 m	
	Identify: 5.9 m	Identify: 4.8 m		Identify: 4.3 m	
VIDEO					
Max. resolution	1920 × 1080				
Frame rate	Main Stream: 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) Sub Stream: 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240) Third Stream: 50Hz: 1 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60Hz: 1 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360, 320 × 240)				
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG				
Region of interest	Support 1 fixed region for main stream				
Image settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser				
Smart Features	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection, defocus detection, scene change detection				
AUDIO/ALARM					
Audio compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC				
Audio bit rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/16 to 64 Kbps (AAC)				
Audio I/O	1 input (line in), 1 output (line out)				
Alarm I/O	1 input, 1 output (max. 12 VDC, 30 mA)				
Alarm actions	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error				

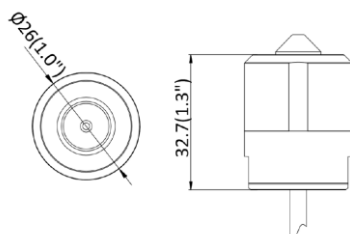
SEP-3501-XA3		SEP-3501-QXA2		SEP-3501- BXA2				
NETWORK								
Local storage		Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB						
Network storage		NAS (Support NFS,SMB/CIFS)						
Protocols		TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour						
Communication interface		1 RJ45 10M/100M Ethernet port						
RS-485		1 RS-485						
Compliance		ONVIF (Profile S, Profile G, Profile T), ISAPI, ISUP						
Simultaneous Live View		Up to 15 channels						
General Function		One-key reset, heartbeat, mirror, password protection, privacy mask, rotate, watermark, IP address filter						
GENERAL								
Power supply and consumption		12 VDC \pm 20%, 0.25 A, max. 3 W, two-core terminal block PoE: 802.3af, Type 1, Class 3, 36 V to 57 V,0.1 A to 0.07A, max. 3.65 W						
Operating conditions		-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F) Humidity 95% or less (non-condensing)						
Dimensions		Main body: 77.5 mm \times 69 mm \times 26 mm (3.1" \times 2.7" \times 1.0") <table><tr><td>\varnothing 26 mm \times 40 mm (\varnothing 1.0" \times 1.6")</td><td>37 mm \times 26 mm x 25 mm (1.5" \times 1.0" \times 1.0")</td><td>\varnothing 26 mm \times 50 mm (\varnothing 1.0" \times 2.0")</td></tr></table>				\varnothing 26 mm \times 40 mm (\varnothing 1.0" \times 1.6")	37 mm \times 26 mm x 25 mm (1.5" \times 1.0" \times 1.0")	\varnothing 26 mm \times 50 mm (\varnothing 1.0" \times 2.0")
\varnothing 26 mm \times 40 mm (\varnothing 1.0" \times 1.6")	37 mm \times 26 mm x 25 mm (1.5" \times 1.0" \times 1.0")	\varnothing 26 mm \times 50 mm (\varnothing 1.0" \times 2.0")						
Length of cable lens		Available on 2m (6.6 ft) or 8 m (26.2 ft)						
Weight		Main body: approx. 90 g (0.2 lb.) Camera: approx. 90 g (0.2 lb.)						

DIMENSIONS

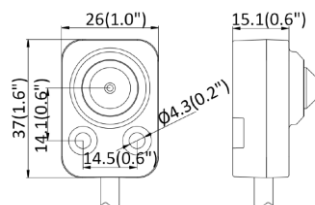
Main body



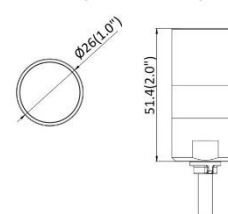
Mini bullet SEP-3501-XA3



Mini square SEP-3501-QXA2



Mini tube SEP-3501-BXA2



SIM-3711VRS-EYAO

6 MP Network Fisheye Camera



RELEVANT FEATURES AND
FUNCTIONS

- Progressive Scan CMOS Sensor
- 6 Megapixel resolution
- Built-in microphone and speaker
- Up to 15m IR range
- Super wide-angle lens (360° panoramic view)
- Outdoor & Vandalproof
- Smart features



SIM-3711VRS-EYAO

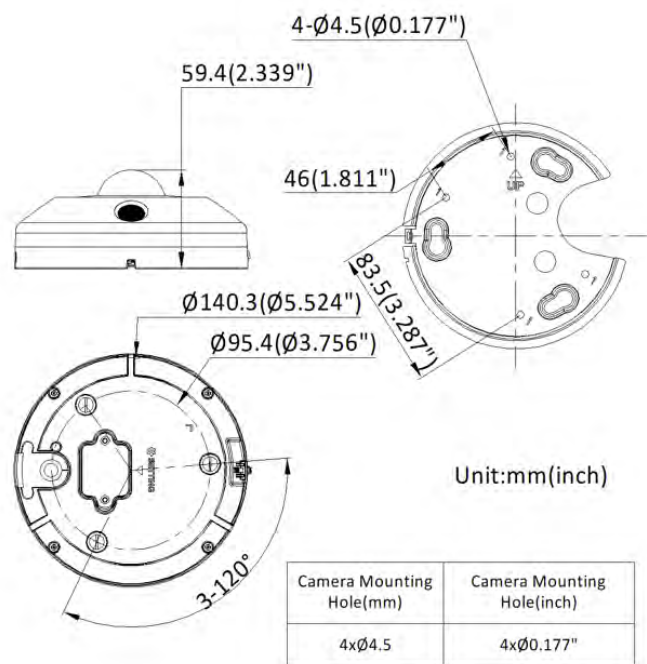
CAMERA	
Sensor	Progressive Scan CMOS
Min. illumination	Color: 0.01 Lux @ (F2.25, AGC ON), BW: 0.005 Lux @ (F2.25, AGC ON), 0 Lux with IR
Lens	Fixed focal lens, 1.16mm, F2.25
Angle of view	360° (ceiling and table mount) 180° (wall mount)
Shutter time	1s ~ 1/100,000 s
Iris type	Fixed
Day/Night	ICR, Day/Night switch: Auto / Manual / Scheduled / Alarm trigger
Wide Dynamic Range	Digital WDR
Image usability	BLC, HLC, defog, 3D DNR, distortion correction
IR Distance	Up to 15 m IR range
DORI distance	Detect: 23.2 m Observe: 9.2 m Recognize: 4.6 m Identify: 2.3 m
VIDEO	
Max. resolution	2560 x 2560
Frame rate	Main stream: Fisheye view (2560 × 2560, 2048 × 2048, 1280 × 1280) 180 Panorama View (2048 × 1536, 1920 × 1080) 180 Dual Channel Panorama View: (2048 × 768, 1920 × 544) Panorama View: (1920 × 1080, 2048 × 1536) 4PTZ View: cam 1/cam 2/cam 3/cam 4: (1024×768, 640×360, 320×240) Fisheye + 3PTZ View: cam 1: (2048 × 2048, 1024 × 1024), cam 2/cam 3/cam 4: (1024 × 768) 4PTZ Fusion View: (2048 × 1536, 1600 × 1200, 1280 × 960, 1024×768, 640×480) Sub stream: Fisheye view (720 × 720, 480 × 480) 180 Panorama View (640 × 360, 320 × 240) 180 Dual Channel Panorama View: (640 × 360, 320 × 240) Panorama View: (640 × 360, 320 × 240) Fisheye + 3PTZ View: cam 1: (720 x 720), cam 2/cam 3/cam 4: (not supported)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
Video bit rate	32 Kbps - 16 Mbps
Mount type	Support table, wall, and ceiling
Decoding mode	Support hardware decoding and software decoding
Display mode	20 display modes in total, Software decoding: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 2PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8PTZ, hemisphere, AR hemisphere, cylinder, Hardware decoding: fisheye view, 180 panorama view, 180 dual channel panorama, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion
Image settings	Saturation, brightness, contrast, sharpness, AGC and white balance are adjustable by client software or web browser
Region of interest	4 fixed regions for each stream

ORDERING INFORMATION

- SIM-3711VRS-EYAO

SIM-3711VRS-EYAO	
SMART FEATURES	
Heat map	A graphic description of visits (by calculating amount of people or amount of dwell time) in a configured area. Two report types are available, space heat map and time heat map line chart.
Intersection Analysis	Detects and analyze flow in an intersection-like scene, and generate reports.
Basic Event	Motion detection, video tampering alarm, alarm input and output, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, audio exception detection, defocus detection, unattended baggage detection, object removal detection.
AUDIO/ALARM	
Audio compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio bit rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio input	4 built-in microphones, 1 built-in speaker, mono sound 1 Audio input (line in, 3.5 mm)
Audio output	1 audio output (line out, 3.5 mm)
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Alarm trigger	Motion detection, video tampering alarm, network disconnected, IP address conflicted, illegal login, HDD full, HDD error
NETWORK	
Local storage	Built-in Micro SD/SDHC/SDXC slot, up to 256 GB SD 64GB included
Network storage	NAS (NFS, SMB / CIFS)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ISUP, ARP, WebSocket, WebSockets
Communication interface	1 RJ45 10M/100M/1000M self-adaptive ethernet port
RS-485	1 RS-485
Security	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Compliance	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, ISUP
Simultaneous live view	Up to 20 channels
Users	Up to 32 users. 3 user levels, administrator, operator and user
GENERAL	
Power supply	12 VDC \pm 20%, 1 A, max. 11.5 W, two-core terminal block, PoE: IEEE 802.3af, Class 3, max. 12.5 W
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP67
Impact protection	IK10
Heater	Yes
Dimensions	Ø140.3 mm \times 59.4 mm (Ø5.5" \times 2.3")
Weight	Approx. 715 g (1.58 lb.)

DIMENSIONS



ACCESSORIES



SES-2280-140
Junction box



SES-1274
Wall mount bracket



SES-1274B
Wall mount bracket with
junction box



SES-7140
Pendant mount bracket



SES-1276-S
Corner mount bracket



SES-1275-S
Vertical pole mount bracket

SEM-6711R-EAO

4MP Fisheye Network Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/2.9" Progressive Scan CMOS Sensor
- 4 Megapixel resolution
- Digital WDR
- Outdoor (IP67)
- IR up to 30 m



SEM-6711R-EAO

CAMERA

Sensor	1/2.9" Progressive Scan CMOS
Min. illumination	0.068lux @F2.0, AGC ON; 0 lux with IR
Lens	1.1mm lens @F2.0
Angle of view	Horizontal FOV: 180° (wall mounting); 360° (ceiling mounting)
Shutter time	1/25s to 1/100,000 s
Day/Night	IR Cut Filter (Auto switch)
Wide Dynamic Range	Digital WDR
Image usability	BLC, HLC, 3D DNR, Defog
IR range	Up to 20 - 30 m

VIDEO

Max. resolution	2160 x 2160
Frame rate	Main stream: 50Hz: 25fps (2160 × 2160, 1920×1920, 1440×1440) 60Hz: 30fps (2160 × 2160, 1920×1920, 1440×1440)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG
Video bit rate	8 Kbps to 48 Kbps
Image settings	Saturation, brightness and contrast adjustable by client software or web browser
Region of interest	Support

AUDIO / ALARM

Audio compression	G.711A
Audio I/O	1 ch audio input 1 ch audio output 1CH built-in MIC
Alarm trigger	Motion detection, sensor detection
Alarm I/O	1 ch alarm input 1 ch alarm output

NETWORK

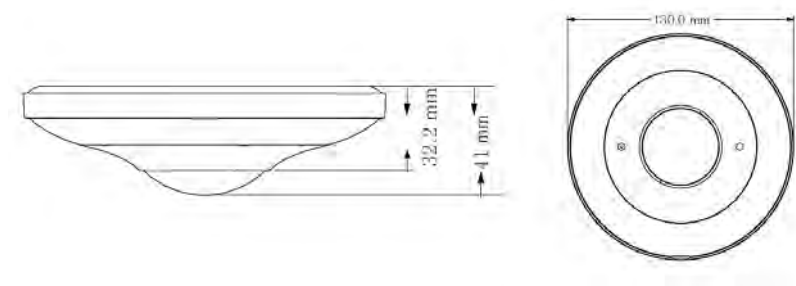
Local storage	Built-in micro SD card slot; up to 256GB
Network storage	Network remote storage
Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPs, QoS
Communication interface	1 RJ45
Video Output	1 x BNC (CVBS output)
Compliance	ONVIF
Simultaneous Live View	Up to 11 users
General Function	Watermark, IP address filtering, video mask

ORDERING INFORMATION

- SEM-6711R-EAO

SEM-6711R-EAO	
GENERAL	
Power supply	12 VDC PoE
Power consumption	< 10.5 W
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP67
NDAA	Compliance
Dimensions	Φ 130 × 41
Weight	Approx. 0.45 kg

DIMENSIONS



ACCESSORIES



SES-6206
Junction box



SES-6409
Wall mount



SES-6813
Pendant mount

SDLI-3613VR-EXMA(x)

4MP Deeplearning Minidome
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/1.8" Progressive Scan CMOS sensor
- 4 megapixel resolution
- 140 dB WDR
- Up to 60fps
- Outdoor IP67
- Vandalproof IK10
- Face recognition
- Multi-target type detection



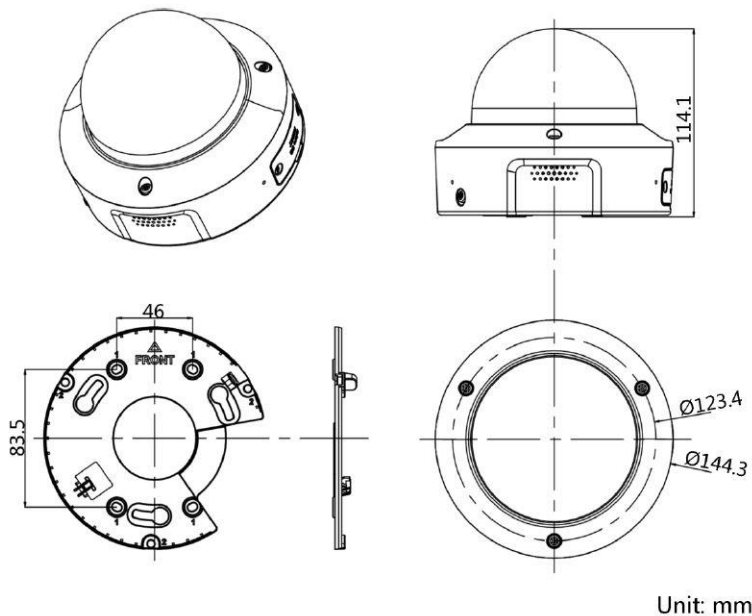
	SDLI-3613VR-EXMA2	SDLI-3613VR-EXMA8
CAMERA		
Sensor	1/1.8" Progressive Scan CMOS	
Min. illumination	Color: 0.0005 Lux @ (F1.2, AGC ON); BW: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR	
Slow shutter	Yes	
Shutter time	1 s to 1/100,000 s	
P-iris	Yes	
Lens	2.8 to 12 mm	8 to 32 mm
Angle of view	Horizontal field of view: 107.4° to 39.8° Vertical FOV: 56.0° to 22.4° Diagonal FOV: 130.1° to 45.7°	Horizontal field of view: 42.5° to 14.0° Vertical FOV: 23.4° to 8.0° Diagonal FOV: 49.7° to 17.0°
Aperture range	F1.2	F1.6
Day/Night	IR cut filter.	
Focus	Auto, semi-auto, manual	
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	
Wide Dynamic Range	140 dB WDR	
Image usability	3D DNR, WDR, BLC, HCL, defog, EIS	
IR range	Up to 40 m	Up to 60 m
DORI Distances	Detect: 60 m to 149 m Observe: 23.8 m to 59.1 m Recognize: 12 m to 29.8 m Identify: 6 m to 14.9 m	Detect: 150.3 m to 400 m Observe: 59.7 m to 158.7 m Recognize: 30.1 m to 80 m Identify: 15 m to 40 m
VIDEO		
Max. resolution	2560 × 1440	
Frame rate	Main stream: 50Hz: 50fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 60fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) Sub stream: 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480) Third stream: 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 579, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) Fourth stream: 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480) Fifth stream: 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)	
Video compression	H.265 Ultra, H.265, H.264 Ultra, H.264, MJPEG	
Video bitrate	32 Kbps to 8 Mbps	
ROI encoding	Support 4 fixed region for each stream	
Image settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser	
Smart Features	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection, audio exception detection, defocus detection	

ORDERING INFORMATION

- SDLI-3613VR-EXMA2: 2.8-12mm lens
- SDLI-3613VR-EXMA8: 8-32mm lens

SDLI-3613VR-EXMA2		SDLI-3613VR-EXMA8	
DEEPLARNING			
Multi-target-type detection	Supports simultaneous detection and capture of human body, face and vehicle. Gets 7 face features, 13 human body features and 2 vehicle features.		
Face capture	Detects up to 60 faces simultaneously. Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°. Uploads face with background and closed-up face pictures.		
Face recognition	Up to 10 face libraries. Up to 30,000 faces for each library. 150,000 faces in total. Face comparison speed up to 60 per frame. Recognizes face identity via face modeling, grading and comparing to those in face Library. Supports face library encryption.		
Queue Management	Detects queuing-up people number, and waiting time of each person. Generates reports to compare the efficiency of different queuing-ups and display the changing status of one queue. Supports raw data export for further analysis.		
AUDIO / ALARM			
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC		
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)		
Audio I/O	1 input (line in), 3.5 mm connector, three-contact, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium , 1 output (line out), 3.5 mm connector, three-contact, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound 2 built-in microphones Built-in speaker, Max. power consumption: 1.5 W, max. sound pressure level: 98 dB, speaker range: 10m		
Alarm trigger	Motion detection, video tampering alarm, exception, HDD full, HDD error, network disconnected, IP address conflicted, illegal login		
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC/VAC, 1A)		
NETWORK			
Local storage	Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB		
Network storage	NAS (NFS, SMB/CIFS)		
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS		
Communication interface	1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485		
Video output	1Vp-p composite output (75 Ω/CVBS)		
Compliance	ONVIF(PROFILE S, PROFILE G, PROFILE T), ISAPI, ISUP		
Security measures	Password protection, complicated password, HTTPS encryption, 802.1X authentication(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log,TLS 1.2		
GENERAL			
Power supply and consumption	12 VDC \pm 25%, 0.97 A, max. 11.43 W, three-core terminal block, reverse polarity protection 24 VAC \pm 25%, 0.73 A, max. 10.67 W, PoE: 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.19 A to 0.28 A, max. 11.92 W		
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)		
Protection level	IP67		
Impact protection	IK10		
Dimensions	\varnothing 144.3 mm \times 114.1 mm (\varnothing 5.7" \times 4.5")		
Weight	Approx. 990 g (2.0 lb.)		

DIMENSIONS



ACCESSORIES



SES-12760
Wall mount bracket



SES-1227-D32
In-ceiling bracket



SES-1475SU
Vertical pole mount bracket



SES-1476SU
Corner mount bracket

SDLM-3501R-EX2-PC

Dual-lens People Counting
Network Camera



RELEVANT FEATURES AND FUNCTIONS

- Progressive Scan CMOS sensor
- 2MP resolution
- 120 dB WDR
- 2.0 mm dual lens
- IR up to 6 m
- People counting



SDLM-3501R-EX2-PC

CAMERA	
Sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color: 0.0176 Lux @ (F2.25, AGC ON), BW: 0.0035 Lux @ (F2.25, AGC ON), 0 Lux with IR
Shutter time	1/25 s to 1/10,000 s
Lens	2mm fixed lens @F2.25
Angle of view	Horizontal FOV 104.5°, vertical FOV 70.5°, diagonal FOV 112°
Day/Night	IR cut filter
Lens mount	M12
Wide Dynamic Range	120 dB
Image usability	HLC, BLC, 3D DNR, defog
IR range	Up to 6 m IR range
VIDEO	
Max. resolution	1920 × 1080
Frame rate	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720) Sub stream: 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Video compression	H.265 Ultra, H.265, H.264 Ultra, H.264, MJPEG
Video bit rate	32 Kbps - 8 Mbps
Image settings	Saturation, brightness, contrast, sharpness are adjustable by client software or web browser
Region of interest	4 fixed region(s) for main stream and sub-stream
People counting	Counts people entering and exiting separately. Supports real-time uploading and uploading by statistic cycle. Sends email reports on daily, weekly, monthly or annually basis. Supports target filtering by height.
AUDIO / ALARM	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio bit rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio I/O	1 built-in mic 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm trigger	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Alarm I/O	1 input, 1 output (up to 24 VDC / 24 VAC, 1A)
NETWORK	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
Communication interface	1 RJ45 10M/100M Ethernet port 1 RS-485 interface
Compliance	ONVIF (Profile S, Profile G), ISAPI
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Security measures	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, control timeout settings, security audit log

ORDERING INFORMATION

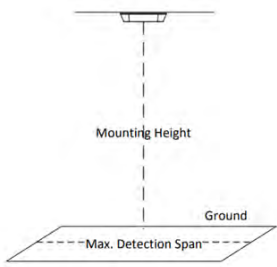
- SDLM-3501R-EX2-PC

SDLM-3501R-EX2-PC

GENERAL

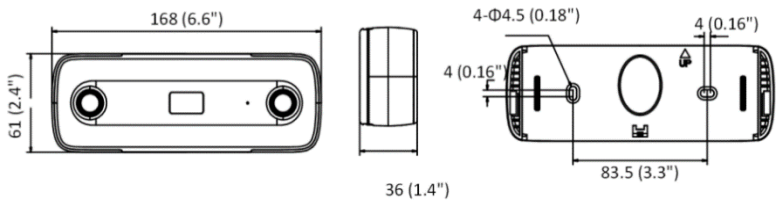
Power supply and consumption	12 VDC ± 20%, 0.58 A, max. 7.0 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: 802.3af, Type 1, Class 3, 36 V to 57 V, 0.24 A to 0.15 A, max. 8.5 W
Operating conditions	-30 °C to 60 °C (-22 °F to 144 °F) Humidity 95% or less (non-condensing)
Dimensions	168 mm × 61 mm × 36 mm (6.6" × 2.4" × 1.4")
Weight	Approx. 340 g (1 lb.)

INSTALLATION RECOMENDATION



Mounting height	Max. Detection span
2.1 m	0.95 m
2.6 m	2.15 m
3.1 m	3.34 m
3.6 m	4.53 m
4.1 m	5.72 m
4.6 m	5.36 m
5.1 m	6.08 m
5.6 m	6.97 m
6.0 m	7.69 m

DIMENSIONS



SDLC-3511VR-XYM(x)-LPR

2MP LPR Network Bullet
Camera



RELEVANT FEATURES AND FUNCTIONS

- 1/1.8" Progressive Scan CMOS sensor
- 2 megapixel resolution
- 140 dB WDR
- Outdoor IP67
- Vandalproof IK10
- IR up to 100m
- License plate recognition



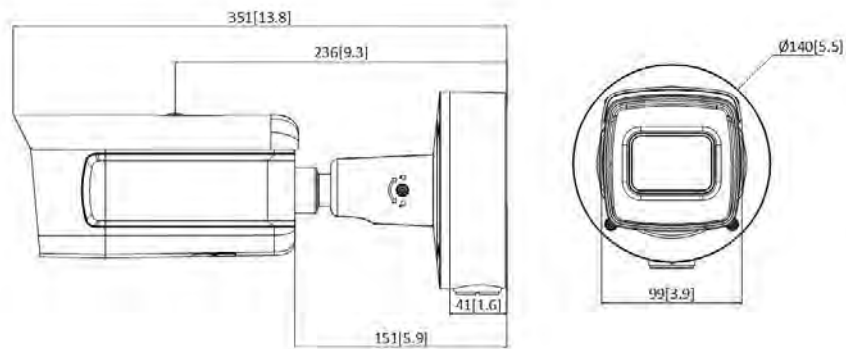
ORDERING INFORMATION

- SDLC-3511VR-XYM2-LPR: 2.8-12 mm lens
- SDLC-3511VR-XYM8-LPR: 8-32 mm lens

SDLC-3511VR-XYM2-LPR			SDLC-3511VR-XYM8-LPR		
CAMERA					
Sensor	1/1.8" Progressive Scan CMOS				
Min. illumination	Color: 0.0005 Lux @ (F1.2, AGC ON); BW: 0.0001 Lux @ (F1.2, AGC ON); 0 Lux with IR.				
Slow shutter	Yes				
Shutter time	1 s to 1/100,000 s				
P-iris	Yes				
Lens	2.8 to 12 mm		8 to 32 mm		
Angle of view	Horizontal FOV: 114.5° to 41.8° Vertical FOV: 59.3° to 23.6° Diagonal FOV: 141.1° to 48°		Horizontal FOV: 42.5° to 15.1° Vertical FOV: 23.3° to 8.6° Diagonal FOV: 49.6° to 17.3°		
Aperture range	F1.2 to F2.5		F1.7 to F1.73		
Day/Night	IR cut filter				
Focus	Auto, semi-auto, manual				
Lens mount	Integrated				
Wide Dynamic Range	140 dB WDR				
Image usability	3D DNR, WDR, BLC, HCL, defog, EIS, lens distortion correction				
IR range	Up to 50 m		Up to 100 m		
VIDEO					
Max. resolution	1920 x 1080				
Frame rate	Main stream: 50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720) Sub-stream: 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480) Third stream: 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) Fourth stream: 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) Fifth stream: 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)				
Video compression	H.265 Ultra, H.265, H.264 Ultra, H.264, MJPEG				
Video bitrate	32 Kbps to 8 Mbps				
ROI encoding	4 fixed regions for each stream				
Image settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser				
Smart Features	Basic event: Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, abnormal reboot, HDD full, HDD error), video quality diagnosis, vibration detection. Smart event: Intrusion detection, scene change detection, audio exception detection, defocus detection; Line crossing detection, up to 4 lines configurable Intrusion detection, up to 4 regions configurable; Region entrance detection, up to 4 regions configurable; Region exiting detection, up to 4 regions configurable. Perimeter protection: Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types				
AUDIO / ALARM					
Audio I/O	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium ; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound				
Alarm trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error, alarm for listed license plate in the blacklist and whitelist				
Alarm I/O	2 inputs, 2 outputs (max. 24 VDC 1A)				

SDLC-3511VR-XYM2-LPR		SDLC-3511VR-XYM8-LPR	
ROAD TRAFFIC AND VEHICLE DETECTION			
Blocklist and allowlist	Up to 10,000 records		
No License Plate Detection	Captures vehicle that has no license plate		
Motorcycle LPR	Support license plate recognition of motorcycles (only in checkpoint scenario)		
Vehicle attribute detection	Support vehicle attribute detection, including vehicle type, color, brand, etc. (City Street mode is recommended.)		
Countries supported	<p>Europa: Albania, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Kazakhstan, Kosovo, Kyrgyzstan, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova, Mongolia, Netherlands, Palestinian State, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Turkey, Ukraine, United Kingdom, Uzbekistan.</p> <p>Middle East: Bahrain, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Oman, Qatar, Saudi Arabia, United Arab Emirates.</p> <p>Africa & America: Algeria, Angola, Argentina, Bolivia , Brazil, Cameroon, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Ethiopia, Ghana, Guatemala, Ivory Coast, Kenya, Mauritius, Mexico, Nigeria, Panama, Paraguay, Peru, Senegal, Sierra Leone, South Africa, Tanzania, Trinidad and Tobago, Tunisia, Uganda, Uruguay, Zambia, Zimbabwe.</p> <p>Asia & Pacific: Australia, Cambodia, Indonesia, Japan, Malaysia, Myanmar, New Zealand, Pakistan, Philippines, Singapore, South Korea, Sri Lanka, Taiwan, Vietnam.</p>		
NETWORK			
Storage	Support microSD/SDHC/SDXC card (256GB), local storage and NAS (NFS, SMB/CIFS)		
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP,UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS		
Communication interface	1 RJ45 10M/100M/1000M Ethernet port,		
Video output	1Vp-p composite output (75 Ω/CVBS)		
Security measures	Anti- flicker, 5 streams and up to 5 custom streams, EPTZ, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter		
GENERAL			
Power supply	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4		
Power consumption	12 VDC, 1.33 A, max. 16.0 W PoE: (802.3at, 42.5V-57V), 0.43 A to 0.31 A, max. 18.0 W		
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 95% or less (non-condensing)		
Material	IP67		
Protection level	IK10		
Impact protection	Aluminum alloy		
Dimensions	Ø144 × 347 mm (Ø5.7" × 13.7")		
Weight	1,950 g (4.2 lb.)		

DIMENSIONS



ACCESSORIES



SES-1475SU
Vertical pole mount



SES-1476SU
Corner mount

SET-25B(xx)-EYAT

Thermal Network Bullet Camera



RELEVANT FEATURES AND FUNCTIONS

- Dual -Spectrum Bullet Camera
- Uncooled Vanadium Oxide Focal Plane Arrays
- 35mm, 25mm or 13mm thermal lens
- 640 x 512 thermal resolution
- 5MP optical resolution
- Outdoor (IP67)
- 12 μ m Uncooled Infrared Detector
- Intelligent video analysis
- Measurement range from -20°C to 550°C,



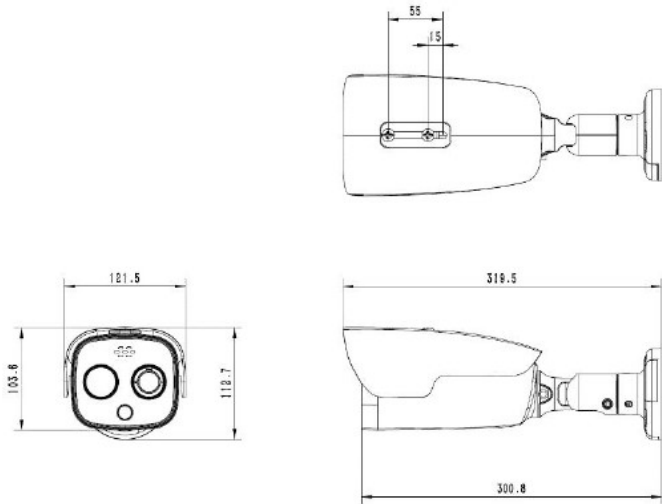
ORDERING INFORMATION

- SET-25B13-EYAT: 13mm lens
- SET-25B25-EYAT: 25mm lens
- SET-25B35-EYAT: 35mm lens

SET-25B13-EYAT		SET-25B25-EYAT		SET-25B35-EYAT	
THERMAL MODULE					
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays				
Max. Resolution	640 x 512				
Pixel Pitch	12 μm				
Spectral response	8 -14 μm				
NEDT	≤40mK(@25° C,F#1.0,25Hz)				
Lens	13 mm	25mm		35 mm	
Field of view	33° x 26°	17° x 14°		12,5° x 10°	
FOV	0.92 mrad	0.48 mrad		0.34 mrad	
Aperture	F1.0				
Palette	20 palettes available such as Whitehot/Blackhot/Rainbow				
Measuring Range	-20°C~-+550°C				
OPTICAL MODULE					
Max. Resolution	2560 x 1920				
Focal Length	6 mm	12 mm		12 mm	
FOV	46°x35	24°x18°		24°x18°	
Frame rate	Main stream: Visible: 50Hz:25fps(2560×1920,2560×1440,1920×1080,1280×720) 60Hz:30fps(2560×1920,2560×1440,1920×1080,1280×720) Thermal:50Hz:25fps(1280×1024,1024×768) 60Hz:30fps(1280×1024,1024×768) Substream: Visible: 50Hz:25fps(704×576,352×288) 60Hz:30fps(704×480,352×240) Thermal:50Hz:25fps(640×512) 60Hz:30fps(640×512)				
Video compression	H.265 / H.264				
Smart Features	Alarm trigger recording, disconnection trigger recording. Support event analysis functions such as area intrusion, tripwire intrusion, etc. Fire detection. Video/image/mail/ alarm output / sound and light alarm				
AUDIO/ALARM					
Audio Compression	G.711a/G .711Mu/AAC/ MPEG2-Layer2				
Audio I/O	1 channel audio input, 1 channel audio output				
Alarm I/O	2-channel alarm input, 2-channel alarm output				
NETWORK					
Local storage	MicroSD memory (maximum 256G)				
Protocols	IPv4,HTTP,HTTPS,QoS,FTP,SMTP,UPnP,SNMP,DNS,DDNS ,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP				
Security	User authentication (ID and password), MAC address binding, HTTPS encryption, IEEE 802.1x (EAP-MD5, EAP-TLS), access control, IP address filtering				
Simultaneous Live View	Up to 20 channels				
User/Host	Up to 20 users, two levels: administrator and user				
Network interface	1 RJ45 10M/100M Ethernet port 1 RS-485 interface				
Interoperability	ONVIF, GB28181, SDK				
GENERAL					
Power supply	DC 12V±25% / PoE (802.3af)				
Power consumption	≤8W				
Operating conditions	-40°C～+70°C ; <95%RH				
Protection level	IP66.				
Dimensions	319.5×121.5×103.6mm				
Weight	≤1.8kg				

SMART FUNCTION RANGE			
Lens (focal length)	13 mm	25 mm	35 mm
VCA range (Vehicles: 1,4x4,0 m)	150 m	290 m	400 m
VCA range (Humans: 1,8x0,5 m)	80 m	145 m	210 m
Fire Detection (Object: 2x2 m)	1444 m	2778 m	3889 m
Fire Detection (Object: 1x1 m)	722	1389 m	1944 m

DIMENSIONS



ACCESORIES



SES-ANX150H
Junction Box



SES-ANX19A01P
Vertical pole mount

SL-670(x)

Video encoder



RELEVANT FEATURES AND FUNCTIONS

- 1 or 4 channels
- Self-adaptive HDTV / HDCVI / AHD / CVBS signal input
- Up to 5MP resolution
- Long distance transmission over UTP and coaxial cable
- Supports smart functions

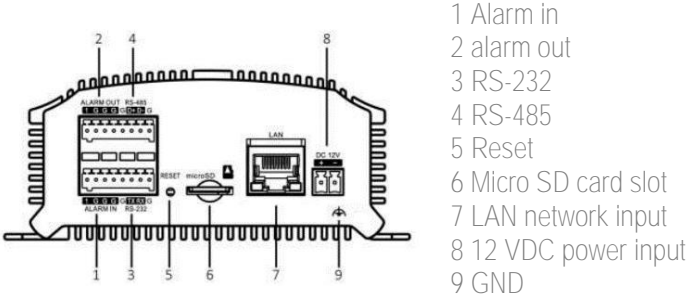


SL-6701		SL-6704
VIDEO/AUDIO INPUT/OUTPUT		
Video input	1-ch	24-ch
HDTVI input	5MP, 4MP, 3MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25	
AHD input	1080p25, 1080p30, 720p25, 720p30	
HDCVI input	1080p25, 1080p30, 720p25, 720p30	
CVBS input	PAL/NTSC	
BNC interface	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
Audio input	1-ch, 3.5mm interface (2.0 Vp-p, 1 KΩ) (LINE IN)	4-ch, RCA (2.0 Vp-p, 1 KΩ)
Audio output	1-ch, RCA (Linear, 1 KΩ)	
Synchronous playback	1-ch	4-ch
VIDEO/AUDIO ENCODING		
Video compression	H.265 Ultra / H.265 / H.264 Ultra / H.264 / MJPEG	
Audio compression	G.711u	
Frame rate	Main stream: 5 MP@12fps/4 MP@15fps/3 MP@18fps 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)	
Video bit rate	32 Kbps to 10 Mbps	
Audio bit rate	64 Kbps	
Dual stream	Support	
Smart Features	Line crossing detection, intrusion detection, sudden scene change detection and audio exception detection	
NETWORK MANAGEMENT		
Network protocols	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS, ONVIF profileS	
STORAGE		
SD Card	1 Micro SD card slot, support Micro SD card	
Capacity	Up to 128 GB	
EXTERNAL INTERFACE		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1st audio input)	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	
Serial interface	RS-485 (half-duplex); RS-232	
Alarm in/out	1/1	4/2
GENERAL		
Power supply	12 VDC	
Consumption	≤ 15W	
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)	
Working humidity	10% to 90%	
Dimensions (W × D × H)	162.5 × 114 × 47.5 mm(6.4 × 4.5 × 1.9 inch)	
Weight	≤ 1.5 kg (3.3 lb)	

ORDERING INFORMATION

- SL-6701-A: 1-ch, American
- SL-6701-E: 1-ch, European
- SL-6704-A: 4-ch, American
- SL-6704-E: 4-ch, European

OVERVIEW



SL-67(xx)K

Smart function video encoder



RELEVANT FEATURES AND FUNCTIONS

- Up to 16 channels
- Self-adaptive HDTV / HDCVI / AHD / CVBS signal input
- Up to 5MP resolution
- Long distance transmission over UTP and coaxial cable
- Supports smart functions

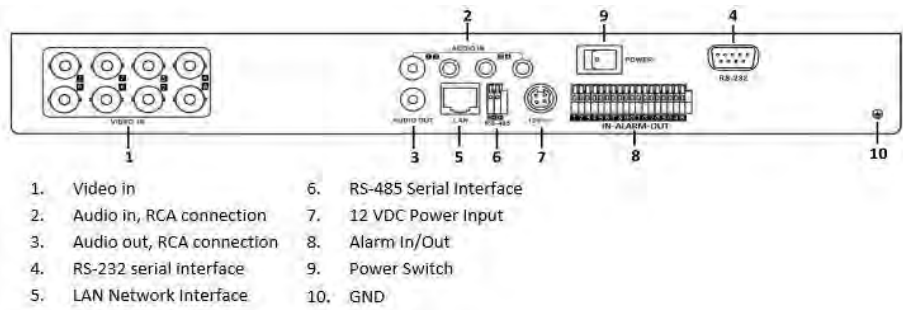


ORDERING INFORMATION

- SL-6704K-A: 4-ch, American
- SL-6708K-A: 8-ch, American
- SL-6716K-A: 16-ch, American
- SL-6704K-E: 4-ch, European
- SL-6708K-E: 8-ch, European
- SL-6716K-E: 16-ch, European

SL-6704K		SL-6708K		SL-6716K	
VIDEO/AUDIO INPUT/OUTPUT					
Video input	4-ch		8-ch		16-ch
HDTVI input	5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25		8 MP, 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25		
AHD input	1080p25, 1080p30, 720p25, 720p30				
HDCVI input	1080p25, 1080p30, 720p25, 720p30				
CVBS input	PAL/NTSC				
BNC interface	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection				
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)				
Audio output	1-ch, RCA (Linear, 1 KΩ)				
Synchronous playback	4-ch		8-ch		16-ch
VIDEO/AUDIO ENCODING					
Video compression	H.265 Ultra / H.265 / H.264 Ultra / H.264				
Audio compression	G.711u				
Frame rate	Main stream: 5 MP@12fps/4 MP@15fps/3 MP@18fps 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)				
Video bit rate	32 Kbps to 10 Mbps				
Audio bit rate	64 Kbps				
Dual stream	Support				
Smart Features	Line crossing detection (max. 2 -ch), intrusion detection (max. 2 -ch), sudden scene change detection and audio exception detection				
NETWORK MANAGEMENT					
Network protocols	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS, ONVIF profile S				
STORAGE					
SATA	1 SATA interface		2 SATA interface		
Capacity	Up to 8 TB capacity for each disk				
EXTERNAL INTEFACE					
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1 st audio input)				
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface				
Serial interface	RS-485 (half-duplex); RS-232				
Alarm in/out	4/1		8/4		16/4
GENERAL					
Power supply	12 VDC				
Consumption	≤ 10W		≤ 20W		≤ 25W
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)				
Working humidity	10% to 90%				
Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)		380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)		
Weight (without HDD)	≤ 1.16 kg (2.6 lb)		≤ 1.78 kg (3.9 lb)		≤ 2 kg (4.4 lb)

OVERVIEW



Rear panel for SL-6708K, the rear panel for SL-6704K and SL-6716K provide 4 and 16 video input interfaces

SL-67(xx)M

Smart function video encoder



RELEVANT FEATURES AND FUNCTIONS

- Up to 16 channels
- Self-adaptive HDTVI / HDCVI / AHD / CVBS signal input
- Up to 2MP resolution
- Long distance transmission over UTP and coaxial cable
- Supports smart functions



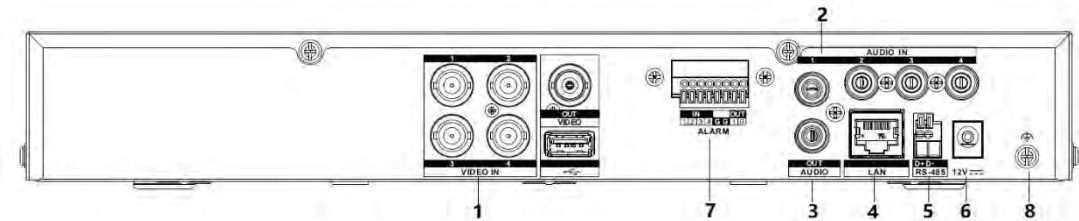
SL-6704M		SL-6708M		SL-6716M	
VIDEO/AUDIO INPUT/OUTPUT					
Analog video input	4-ch		8-ch		16-ch
BNC interface	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection				
HDTVI input	1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps				
AHD input	1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps				
HDCVI input	1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps				
CVBS input	PAL/NTSC				
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480				
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)			1-ch, RCA (2.0 Vpp, 1KΩ) 16-ch via coaxial cable	
Audio output	1-ch, RCA (Linear, 1 KΩ)				
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)				
Synchronous playback	4-ch		8-ch		16-ch
VIDEO/AUDIO ENCODING					
Video compression	H.265 Ultra / H.265 / H.264 Ultra / H.264				
Audio compression	G.711u				
Encoding resolution (main stream)	1080p/720p/WD1/4CIF/ VGA/CIF@25 fps (P)/30 fps (N)		1080p/720p/WD1/4CIF/ VGA/CIF@25 fps (P)/30 fps (N)		1080p/720p/WD1/4CIF/ VGA/CIF@25 fps (P)/30 fps (N)
Encoding resolution (Sub stream)	WD1/4CIF/CIF@25 fps (P)/30 fps (N)				
Video bit rate	32 Kbps to 10 Mbps				
Audio bit rate	64 Kbps				
Dual stream	Support				
Smart Features	Line crossing detection (max. 4 -ch), intrusion detection (max. 4 -ch) Motion detection is enabled by default for all analog channels. It can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights. Quick search by object or event type is supported. Perimeter protection: Human/vehicle analysis up to 4ch				
NETWORK MANAGEMENT					
Network protocols	TCP/IP, PPPoE, DHCP,DNS, DDNS, NTP, NFS, iSCSI, UPnP™, HTTPS, ONVIF				
Remote connection	32		64		128
Network Interface	1, RJ45 10M/100M self-adaptive Ethernet interface		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
STORAGE					
SATA	1 SATA interface				2 SATA interface
Capacity	Up to 10 TB capacity for each disk				

ORDERING INFORMATION

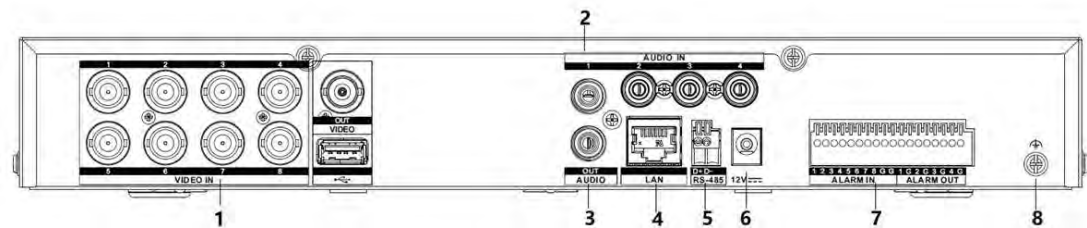
- SL-6704M-A: 4-ch, American
- SL-6708M-A: 8-ch, American
- SL-6716M-A: 16-ch, American
- SL-6704M-E: 4-ch, European
- SL-6708M-E: 8-ch, European
- SL-6716M-E: 16-ch, European

	SL-6704M	SL-6708M	SL-6716M
EXTERNAL INTERFACE			
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1 st audio input)		
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
Serial interface	RS-485 (half-duplex)		
Alarm in/out	4/1	8/4	16/4
GENERAL			
Power supply	12 VDC		
Consumption	≤ 10W		≤ 19W
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)		
Working humidity	10% to 90%		
Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)		380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)
Weight (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 2 kg (4.4 lb)	≤ 2.1 kg (4.6 lb)

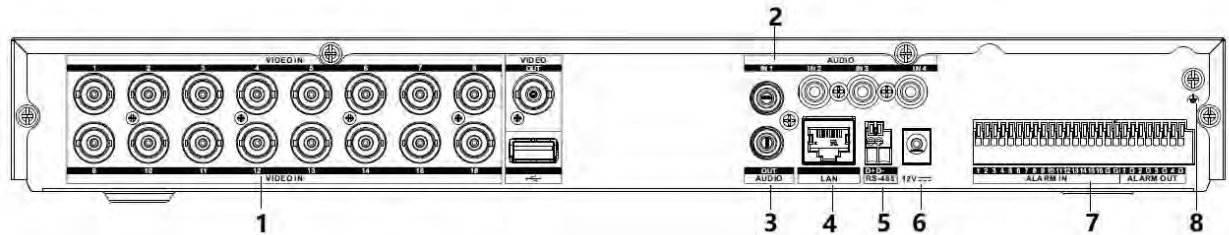
OVERVIEW
SL-6704M



SL-6708M



SL-6716M



No.	Description	No.	Description
1	Video In	5	RS-485 serial interface
2	Audio In, RCA connector	6	12 VDC power input
3	Audio out, RCA connector	7	Alarm I/O
4	LAN network interface	8	GND

SRT-151(xx)M-PAN

4CIF ThermalScan Camera



RELEVANT FEATURES AND FUNCTIONS

- 360° visualized panorama
- Wide-area scene
- Real-time search
- Multi-target trajectory
- Virtual electronic fence
- Intelligent PTZ camera linkage
- 4CIF resolution
- Outdoor IP66



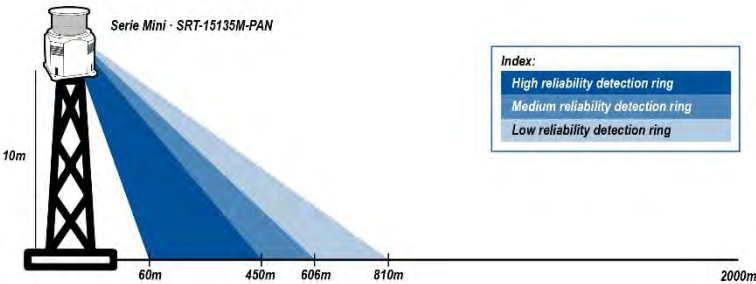
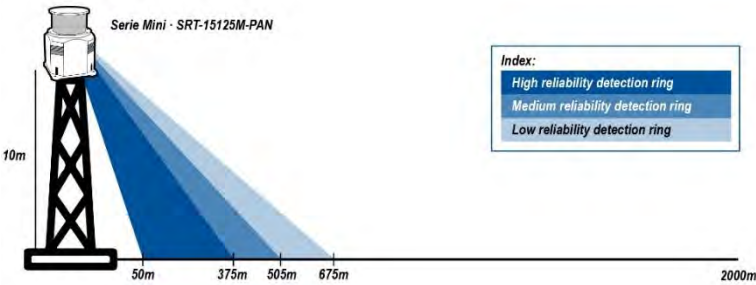
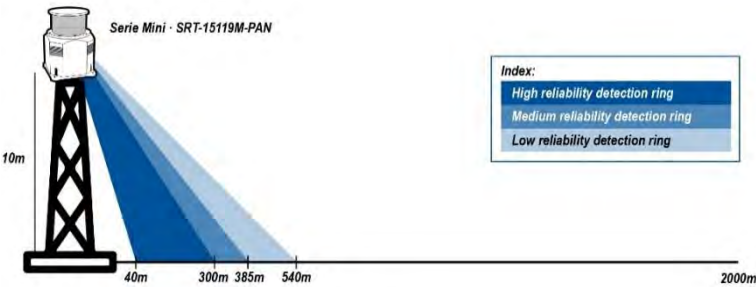
SRT-15119M-PAN		SRT-15125M-PAN		SRT-15135M-PAN	
CAMERA					
Detector type	Uncooled 12μm				
Detector resolution	640 x 512				
Focal length	19 mm	25 mm	35 mm		
Panoramic image resolution	9900 × 512	13000 x 512	18322 x 512		
360 degree scanning speed	0.555 Hz	0.444 Hz	0.337 Hz		
180 degree scanning speed	1.11 Hz	0.854 Hz	0.653 Hz		
Horizontal FOV	360°				
Vertical FOV	18.4°	14°	10°		
Vertical adjustment range	±5°				
Communication interface	Ethernet port				
GENERAL					
Power supply	24VDC Average power consumption 15W				
Operating temperature	-40°C to 60°C				
Protection level	IP66				
Anti-corrosion	No				
MTBF	61000 h				
Dimensions	108 x 112 x 175 mm			112 x 116 x 189 mm	
Weight	2.1 Kg			2.3 Kg	

DETECTING DISTANCE			
Lens	19 mm		
Reliability detection ring	High	Medium	Low
People (1.7m)	300 m	385 m	540 m
Vehicle (4m)	600 m	770 m	1080 m
Lens	25 mm		
Reliability detection ring	High	Medium	Low
People (1.7m)	375 m	505 m	675 m
Vehicle (4m)	750 m	1010 m	1350 m
Lens	35 mm		
Reliability detection ring	High	Medium	Low
People (1.7m)	450 m	606 m	810 m
Vehicle (4m)	900 m	1212 m	1620 m
Note: In adverse weather conditions the detection distance may be shortened. For an accurate detection, there must be a difference in terms of thermal contrast between target and background.			

ORDERING INFORMATION

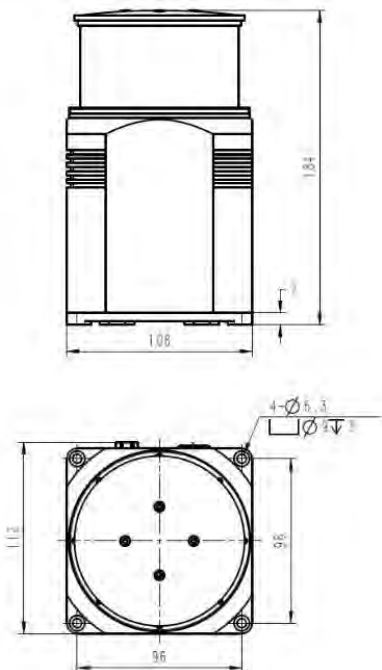
- SRT-15119M-PAN: 19mm lens
- SRT-15125M-PAN: 25mm lens
- SRT-15135M-PAN: 35mm lens

RELIABILITY DETECTING RINGS FOR PEOPLE (1.7m)

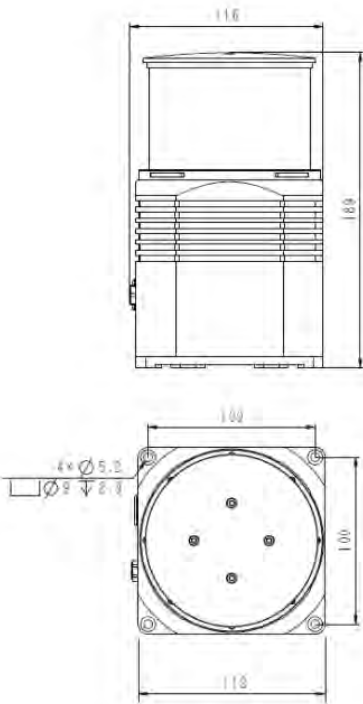


DIMENSIONS

SRT-15119M-PAN / SRT-15125M-PAN



SRT-15135M-PAN



SRT-151(xx)-PAN

4CIF ThermalScan Camera



RELEVANT FEATURES AND FUNCTIONS

- 360° visualized panorama
- Wide-area scene
- Real-time search
- Multi-target trajectory
- Virtual electronic fence
- Intelligent PTZ camera linkage
- 4CIF resolution
- Outdoor IP66

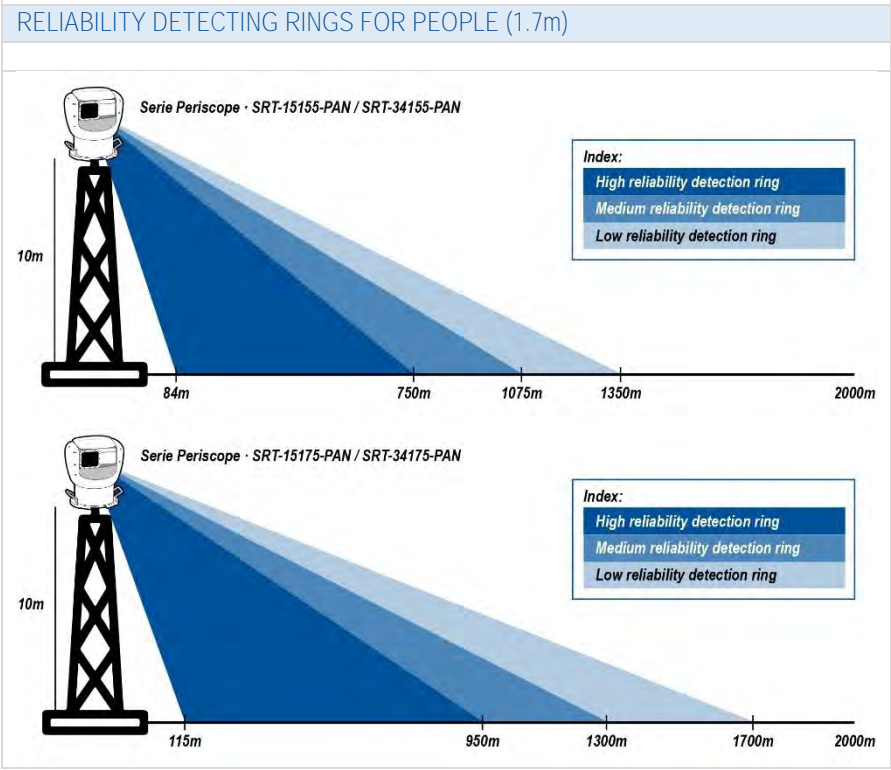


ORDERING INFORMATION

- SRT-15155-PAN: 55mm lens
- SRT-15175-PAN: 75mm lens

SRT-15155-PAN		SRT-15175-PAN
CAMERA		
Detector type	Uncooled 12μm	
Detector resolution	640 x 512	
Focal length	55 mm	75 mm
Panoramic image resolution	28792 × 512	39200 x 512
Scanning speed	180°/s	133°/s
Horizontal FOV	360°	
Vertical FOV	6.4°	4.7°
Vertical adjustment range	-20° to +35°	
Communication interface	Ethernet port	
GENERAL		
Power supply	30 VDC, 5A Average power consumption 30W	
Operating temperature	-40°C to 70°C	
Protection level	IP66	
Anti-corrosion	Yes	
MTBF	61000 h	
Dimensions (LxWxH)	327 x 260 x 377 mm	382 x 260 x 386 mm
Weight	17 Kg	20 Kg

DETECTING DISTANCE						
Lens	55 mm			75 mm		
Reliability detection ring	High	Medium	Low	High	Medium	Low
UAV (450mm)	500 m	715 m	900 m	750 m	975 m	1275 m
People (1.7m)	750 m	1075 m	1350 m	1000 m	1300 m	1700 m
Vehicle (4m)	1500 m	2150 m	2700 m	2000 m	2600 m	3400 m
Boats (8m)	3000 m	4300 m	5400 m	4000 m	5200 m	6800 m
Note: In adverse weather conditions the detection distance may be shortened. For an accurate detection, there must be a difference in terms of thermal contrast between target and background.						



SRT-341(xx)-PAN

1280 x 1024 Thermal Radar
Camera



RELEVANT FEATURES AND
FUNCTIONS

- 360° visualized panorama
- Wide-area scene
- Real-time search
- Multi-target trajectory
- Virtual electronic fence
- Intelligent PTZ camera linkage
- 1280 x 1024 resolution
- Outdoor IP66



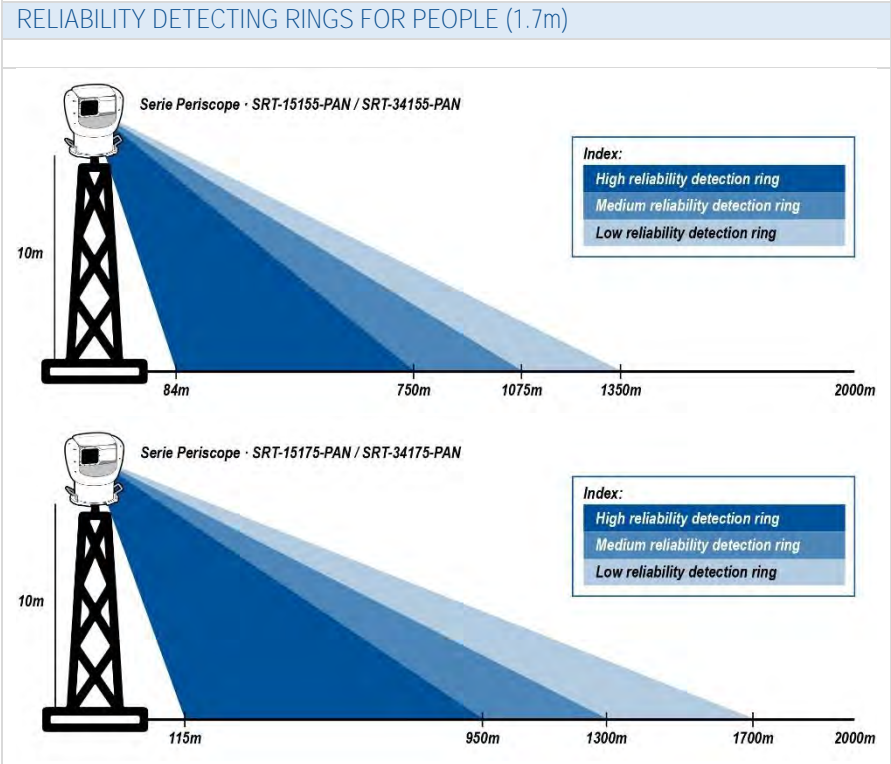
ORDERING INFORMATION

- SRT-34155-PAN: 55mm lens
- SRT-34175-PAN: 75mm lens

SRT-34155-PAN		SRT-34175-PAN
CAMERA		
Detector type	Uncooled	
Detector resolution	1280 x 1024	
Focal length	55 mm	75 mm
Panoramic image resolution	28792 × 1024	39200 x 1024
Scanning speed	180°/s	154°/s
Horizontal FOV	360°	
Vertical FOV	12.7°	9.4°
Vertical adjustment range	-20° to +35°	
Communication interface	Ethernet port	
GENERAL		
Power supply	30 VDC, 5A Average power consumption 35W	
Operating temperature	-40°C to 70°C	
Protection level	IP66	
Anti-corrosion	Yes	
MTBF	61000 h	
Dimensions (LxWxH)	382 x 260 x 386 mm	
Weight	20 Kg	

DETECTING DISTANCE						
Lens	55 mm			75 mm		
Reliability detection ring	High	Medium	Low	High	Medium	Low
UAV (450mm)	500 m	715 m	900 m	750 m	975 m	1275 m
People (1.7m)	750 m	1075 m	1350 m	1000 m	1300 m	1700 m
Vehicle (4m)	1500 m	2150 m	2700 m	2000 m	2600 m	3400 m
Boats (8m)	3000 m	4300 m	5400 m	4000 m	5200 m	6800 m

Note: In adverse weather conditions the detection distance may be shortened. For an accurate detection, there must be a difference in terms of thermal contrast between target and background.

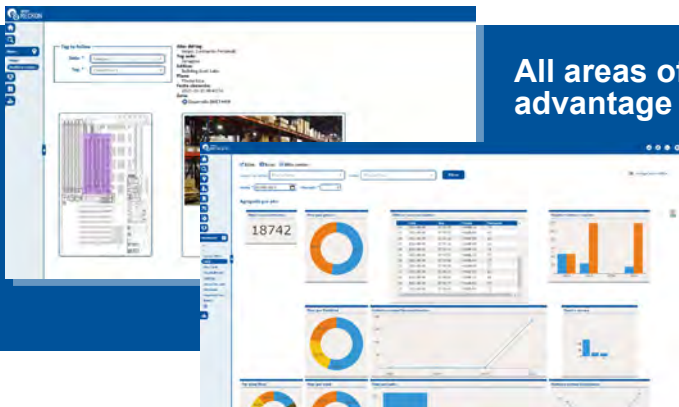


BUSINESS INTELLIGENCE SUITE RECKON

Turn your data into decisions

The basic objective of Business Intelligence (BI) is to continuously support organizations to improve their competitiveness, providing the necessary information for better decision making based on evidence and concrete data.

SCATI RECKON allows the creation of dashboards through the aggregation of information from our video surveillance systems and video analytics, as well as enabling the integration of data from third-party systems with images from our SCATI VISION recording servers.



All areas of your business will be able to take advantage of RECKON for their decision making:



Special modules



**Traceability of goods
in industrial and logistics environments**



**Visual monitoring and control
of mobile assets**



**Supervision of operations
at ATMs and POS terminals**



BUSINESS INTELLIGENCE

ANALYSIS

The primary goal of Business Intelligence (BI) is to continuously support organizations to improve their competitiveness by providing the necessary information for decision making.

More and more businesses are realizing the need to invest in data analytics solutions for one simple reason: information is power.

With our VISION SUITE you will not only protect your facilities and the people inside with the SCATI WATCHER VMS, but also you will have, thanks to SCATI RECKON, a multipurpose tool that can be used by other areas of your company to optimize procedures, improve customer knowledge, train employees or increase your business volume.

SCATI RECKON centralizes and manages a large amount of data from cameras, recorders or even third-party systems. It transforms data into useful information, allowing to create graphs and dashboards in a simplified way, displaying that information in an organized way to the people who need to evaluate it and make decisions based on it.

SCATI RECKON offers great flexibility for the user to configure the type of graphs and reports needed, and to share that information with the people who need to have access to it.

RELEVANT FEATURES AND FUNCTIONS

- Analysis of a large amount of information from various sources. Cameras: Facial Recognition, Counting, LPR, Heat Mapping, Gauging.
- Status and health of NVRs or recording servers.
- Business Data: POS.
- Data from third-party systems.
- Dashboards and widgets: Customized graphs of correlated and well-organized data.
- Analysis of KPIs and indicators.
- It allows a clear interpretation of the data, allowing the user to anticipate the facts and improve his response.
- Promotes customer awareness.
- Helps to understand and predict behaviors, as well as to estimate preferences and consumption habits.
- Optimization of processes and use of business resources.
- Better services and more information.
- Streamline processes and reduce response times, increasing the profitability of the establishment.

AVAILABLE MODULES

- FACE RECOGNITION
- LICENSE PLATE RECOGNITION
- PEOPLE COUNTING
- QUEUE MANAGEMENT
- HEATMAP
- DEVICE STATUS
- ATM/POS INTEGRATION (SCATI CASH)

ORDER AVAILABILITY

- **LIC-RECK-BASIC** Software license to activate SCATI RECKON for 10 channels. It does not include the required channel/device licences.
- **LIC-RECK-ULTIMATE** Software license to activate SCATI RECKON for more than 10 channels, the first year. It does not include the required channel/device licences.
- **LIC-RECK-20-1CH** Software license per channel to activate all available modules on a channel/device (cameras, recorders, etc). Price valid for orders until 20 licenses.
- **LIC-RECK-100-1CH** Software license per channel to activate all available modules on a channel/device (cameras, recorders, etc). Price valid for orders from 21 to 100 licenses.
- **LIC-RECK-500-1CH** Software license per channel to activate all available modules on a channel/device (cameras, recorders, etc). Price valid for orders from 101 to 500 licenses.
- **LIC-RECK-PLUS-1CH** Software license per channel to activate all available modules on a channel/device (cameras, recorders, etc). Price valid for orders of more than 500 licenses.

ANNUAL SUBSCRIPTION MODEL: Scati Reckon Ultimate requires annual license renewal. It includes the following Scati services to ensure the proper functioning of the system:

- * Includes the technical support and preventive maintenance required for the proper functioning of the system, including remote connections needed to resolve incidents or questions. It will be necessary that the client enables the necessary permissions and mechanisms for the Scati technical team to make such remote connections.
- * Includes 1 connection every six months for general revision of the system status (Reckon server hardware, software, DB) and generation of back-up of the configurations.
- * Upgrade to the latest production version, provided that the existing hardware supports such upgrade.

SL-LXU-N04-BRIDGE / SL-LXU-G508-BRIDGE



GATEWAY SERVERS

ANALYSIS

Based on IP technology and within the **RECKON SUITE**, these Gateway Servers have an integrated switch to facilitate the start-up of the cameras connected directly to the equipment, which provides significant cost savings.

These Gateway Servers provide a metadata gateway service between the **SCATI EYE** cameras and the centralized **SCATI RECKON** data processing equipment. They can also be used to send metadata to third party systems.

These servers are ideal in scenarios where video recording is not required.

RELEVANT FEATURES AND FUNCTIONS

- Built on Linux, they are part of a fully scalable solution.
- PoE switch integrated in the equipment with up to 8 PoE ports (only in SL-LXU-G508-BRIDGE model).
- Advanced image processing algorithms incorporated.
- Functionalities that allow continuous health and operational monitoring are incorporated. In case of failure, they notify technical alarms.
- They allow simultaneous video server to multiple clients and limit the transmission of information according to the available bandwidth.
- Format designed specifically for large distributed installations.



* SL-LXU-N04-BRIDGE



* SL-LXU-G508-BRIDGE



SL-LXU-N04-BRIDGE		SL-LXU-G508-BRIDGE
SYSTEM		
Type of server	Small size server up to 3 cameras	Compact server with integrated 8-port PoE switch for up to 8 cameras. for up to 8 cameras.
Operating system	Linux Operating System in 64 GB SSD	
Processor	Intel Celeron J3455 Apollo Lake SOC Processor, 1.50GHz, 1M Cache	Intel® Celeron® Processor 6305E
Memory	4 GB	8 GB
Network interface	4 Gigabit LAN RJ-45 ports (Intel i211AT) PoE Ports 48V/2A power supply included to power the PoE ports	2x RJ-45 10M/100M/1000M self-adaptive Ethernet
Built-in Switch PoE	NA	8x RJ-45 10/100Mbps PoE ports Consumption: ≤ 220W
USB	Front panel: 2 x USB 2.0 2 x USB 3.0	Front panel: 2 × USB 2.0 Rear Panel: 2 x USB 2.0; 2 × USB 3.0
Serial port	1 x RS-232 port	1 x RS-232 port 1 x RS-485 port
Video output	1x HDMI	1x VGA 2x HDMI
Audio I / O	NA	1x 3.5 mm audio input connector 1x 3.5 mm audio output connector
MECHANICAL		
Format	Ultra compact – without fans	1.5U Full Rack
Dimensions	53 x 187 x 111 mm	440 x 400 x 67 mm
Net weight	~ 1 Kg	≤ 5 Kg
Power system	External power supply	Internal power supply
Input power	12 V DC, 4 A	100 – 240 V AC
Operation temperature	0°C - 50°C (extended to 70°C with SSD)	Operating temperature: 0 to +40° C
Humidity	Operating humidity: 10 to 90 % (non-condensing)	
CERTIFICATIONS		
Certifications	FCC, CE, RoHS	

INFORMACIÓN DE PEDIDOS

- **SL-LXU-N04-BRIDGE** Ultra-compact metadata processing gateway server for projects with up to 3 cameras.
- **SL-LXU-G508-BRIDGE** Metadata processing gateway server with integrated PoE switch with up to 8 cameras

SCATI **BEYOND SECURITY**



**Technological
pioneers**



**Consultancy
experts**



**Global
experience**



Headquartered in Spain, SCATI has subsidiaries in Mexico and Brazil, and also has a wide network of Certified Partners that offer services locally, with the same levels of quality and commitment that characterize the company.

 **SCATI**



www.scati.com