

Total Security Solution

A grayscale aerial view of a city skyline, likely New York City, with the Hudson River and several skyscrapers. Overlaid on the image are several orange circular shapes and white security-related icons, including shields and a keyhole.

Network Video Recorder
Video Management System
Central Monitoring System
Network Display Server

English

2026



High-reliability security equipment for life safety in a networked world, designed and made by **EMSTONE**

EMSTONE develops and manufactures world-class video security equipment that is convenient and reliable. We are doing our best for a safer world based on the technology and experience accumulated over many years. We want to play the role of one HUB by converging various security solutions that are increasing with the development of technology.



www.emstone.com

Competitive Strength of EMSTONE Product

01

PC Type Monitoring Solution based on LINUX

Linux-based applications can monitor, search and store up to 1024CH. Effective resource control ensures the stability of the operating system.

02

Interworking with 3rd Party Solution

It supports video-based system integration through interworking with various 3rd party (LPR, Fire, AI, Emergency bell, Elevator, etc) systems. And API Provided for 3rd party.

03

High resolution image display

Ultra-high resolution of IP Cameras, images, videos, real-time monitoring of servers are possible without physical limitations

04

User-friendly GUI

Intuitive and easy-to-understand interface configurations such as calendar/time search capabilities and easy event settings make it easier for users to access.

Field of Business

City Surveillance



Facility



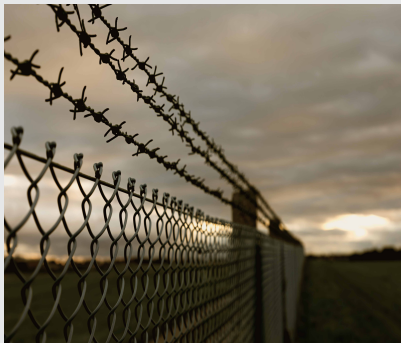
Power Plant, Factory



Transportation facilities



Military Area



Education facilities



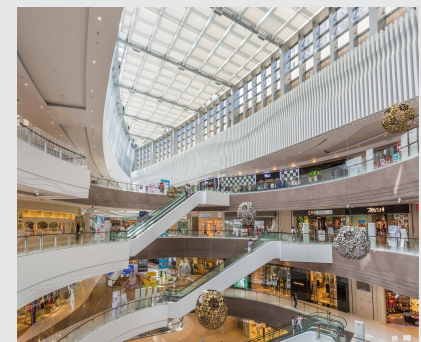
Hospital



Hotel



Department Store



REDBACK VMS is a VMS solution optimized for integrated video control that can store and distribute up to 1024 channels of video on a single server.

Point of view

01

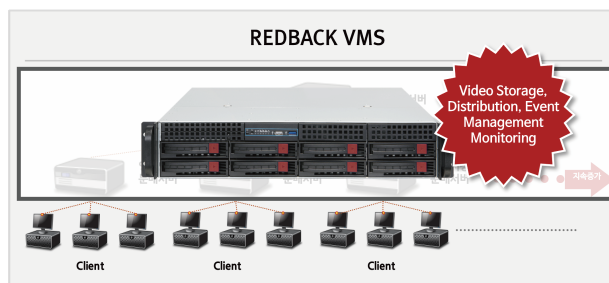
The future VMS market requires not only the operation of the control center but also the role of the HUB.



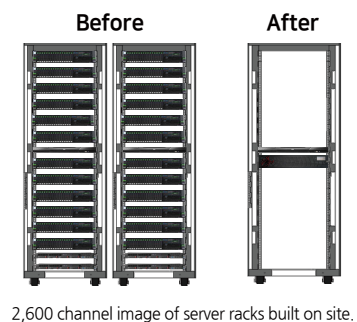
Acts as a pathway to quickly and conveniently connect the ever-growing 3rd-party solutions

02

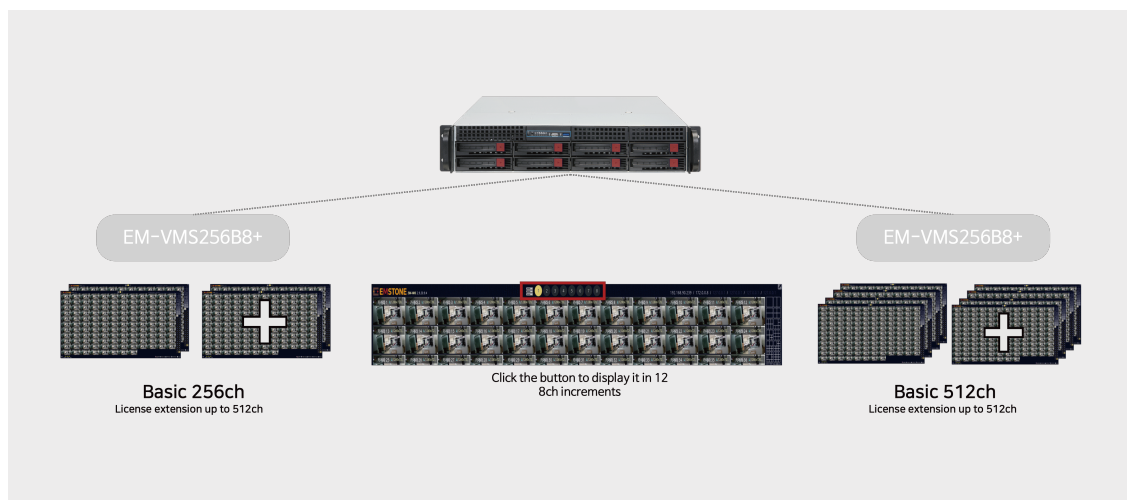
Space efficiency of the control center needs to be improved due to the increase of physical servers.



One server acts as a master, distribution, and storage server



Product Line-up



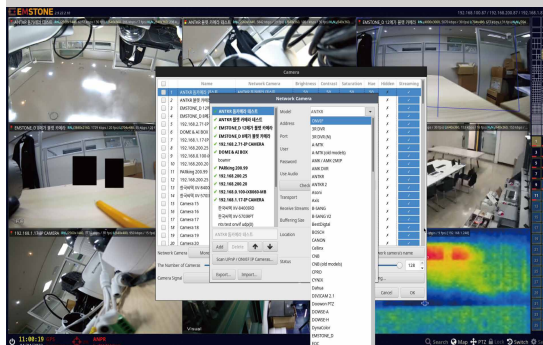
Feature

1
Integration with
various manufacturers
of cameras
and solutions

2
Provides RTSP
and Web-based
video

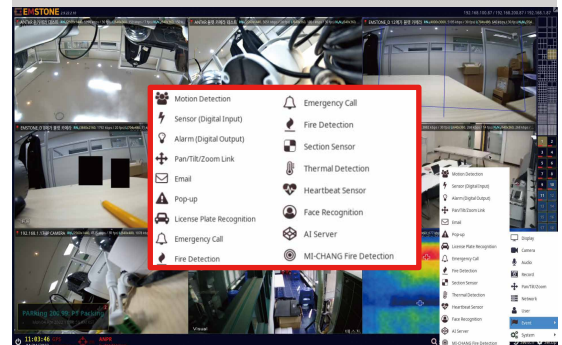
3
Integration
of IP wall
and VMS

4
API provided
for 3rd party

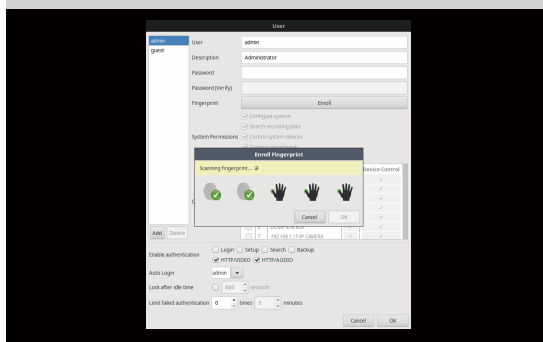
Main
FunctionThe largest number of camera protocols
from various manufacturers

- ▶ ONVIF / RTSP standard protocol default application
- ▶ Audio, motion, sensor input/output linkage by various manufacturers

Various solutions can be linked



- ▶ Solution integration and customization possible according to business purpose

User management through
fingerprint recognition mouse

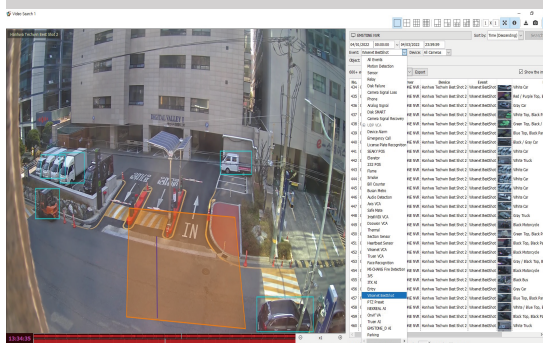
- ▶ Biometrics function to restrict access of unregistered people and prevent password leakage

Video search



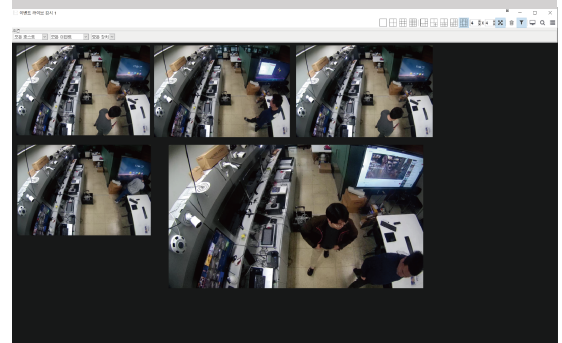
- ▶ Quick search by date/hour/minute

Event search



- ▶ Search by event situation

Event live selection control

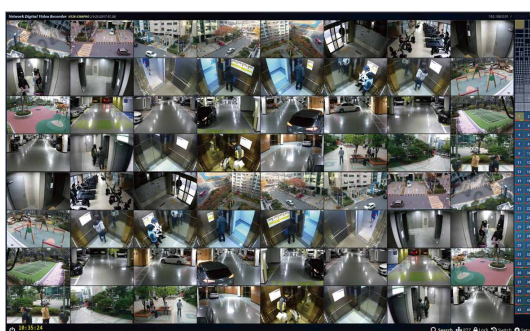


- ▶ Real-time live monitoring function for interlocked event occurrence

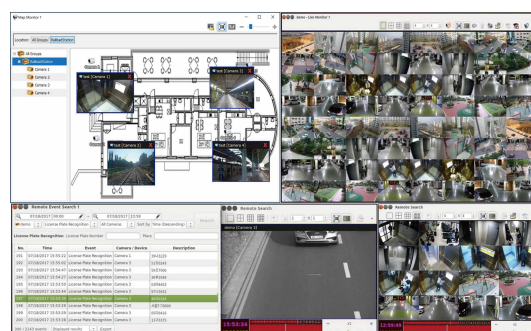
EMSTONE NVR Series is a recording device that can accommodate various channels and supports high-definition image processing based on integrated software. It supports video-based system integration through interworking with various 3rd party systems.

Product Information

LINUX-based PC NVR integrated monitoring solution



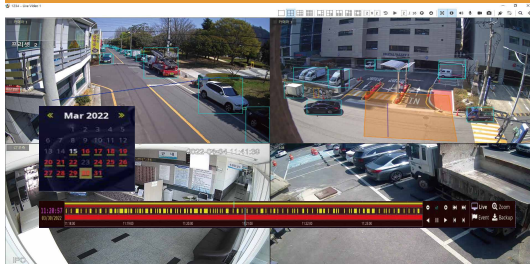
- ▶ Highly reliable 64-bit Linux-based NVR
- ▶ Support all resolutions including 12M / 8M / 5M / 2M / 1.3M
- ▶ ONVIF/RTSP standard protocol support
- ▶ Events such as motion / sensor / camera signal loss / disk error
- ▶ User authentication support using biometric information
- ▶ Two-way voice function support



- ▶ High-efficiency H.265 / H.264 compression method for clear image quality.
- ▶ Various recording modes such as motion detection / event / schedule
- ▶ Multi-user mode and screen lock support
- ▶ Support Failover system
- ▶ Model lineup: 4, 9, 16, 25, 36, 49, 64, 81, 100, 128, 64+, 128+ CH

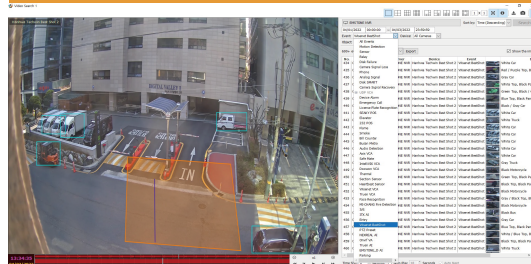
Main Function

Video search



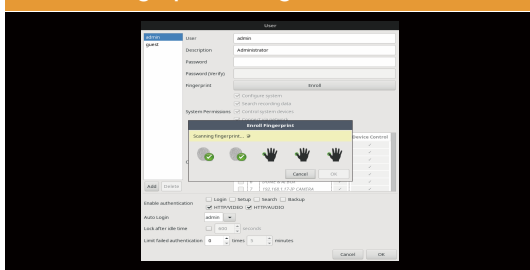
- ▶ Quick search by date/hour/minute

Event search



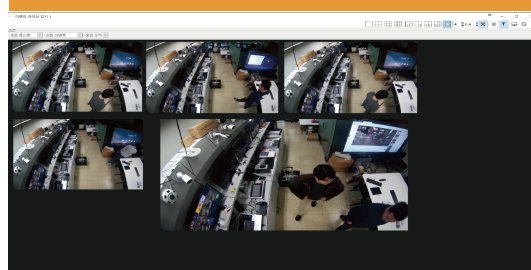
- ▶ Search by event situation

User management through fingerprint recognition mouse



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Event live selection control



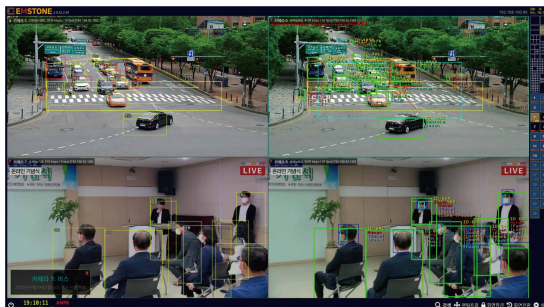
- ▶ Real-time live monitoring function for interlocked event occurrence

Various
solutions
can be
linked

Solution integration and customization possible according to business purpose

Motion Detection	Pop-up	Section Sensor	AI Server
Sensor (Digital Input)	License Plate Recognition	Thermal Detection	Elevator
Alarm (Digital Output)	Emergency Call	Heartbeat Sensor	Measuring Machine
Pan/Tilt/Zoom Link	Fire Detection	Face Recognition	E-mail

AI Camera Integration



We provide an intelligent integrated control solution that detects people, objects through intelligent camera image analysis, and applies an event based on the analysis result to respond immediately.

AI Box, AI Server Integration



Even for cameras that do not support AI, intelligent video analysis is provided for the corresponding channel video through the interworking of AI BOX and AI SERVER, and an integrated solution is provided through event linkage.

Emergency Call Integration



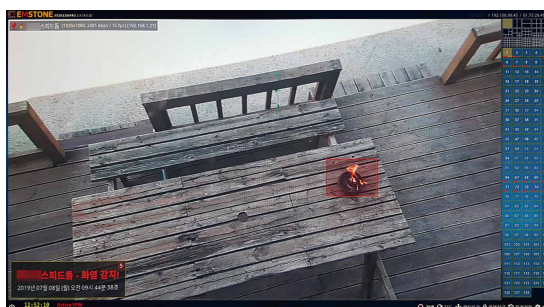
It is a solution that can be promptly delivered and responded to emergency call system through E-Map video pop-up and warning sound in case of emergency.

Elevator CRT Integration



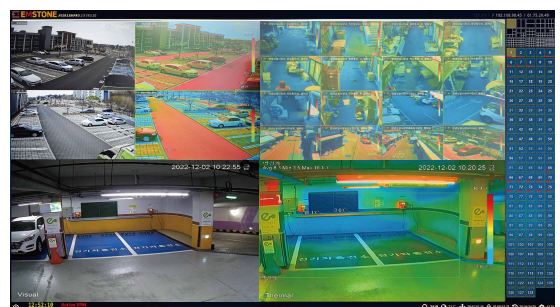
Integration with the elevator CRT system enables operating information of the elevator to be displayed and saved on the screen, and by supporting search of the operating information of the elevator, the solution improves convenience by reducing the search time and provides accurate video analysis by displaying the intuitive operation information of live / search videos.

Flame / Smoke Detection



This solution detects flame and smoke by analyzing camera images in real time. A wide range of surveillance is possible, and users can quickly check whether there is a fire and respond to it through video in real time.

Thermal imaging Camera Integration



integrates with Various thermal imaging cameras. NVR,CMS and IPWALL systems, as well as external devices like control centers, EV charging stations, and warning lights. This ensures proactive fire prevention and an immediate, initial response to any fire incident.

REDBACK AI

Anyone can easily set it up, boasting high recognition and analysis rates based on Deep learning. It provides selective monitoring of important data through object classification and pose analysis. It delivers preemptive alerts, critical notifications, and effective monitoring through highly reliable event analysis. It provides the latest AI data through continuous firmware updates. This AI video analytics solution is compatible with all existing cameras. It supports analysis from multiple cameras on a single server and allows flexible server expansion. It integrates with VMS, NVR, CMS, IPWALL, and third-party product lines.



Ai-SERVER-mini



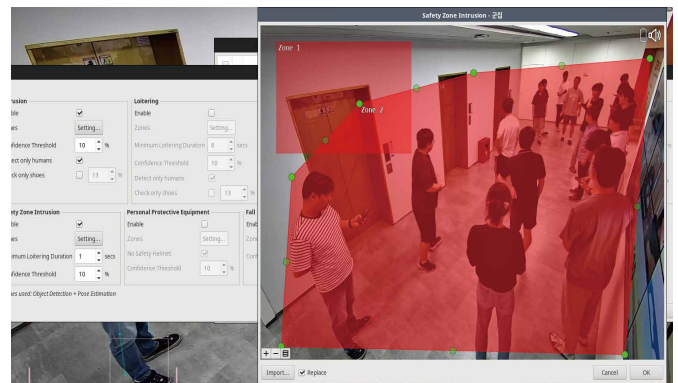
Ai-SERVER-Slim

AI Deep Learning Analysis



Using AI deep learning-trained data for analysis, it classifies objects, analyzes poses, and provides events and monitoring tailored to defined functions such as intrusion, loitering, fight, and falls.

Easy Setup



It provides easy setup that anyone can configure quickly. Users simply select the event algorithm to use, enter the event notification criteria, and choose the area to analyze.



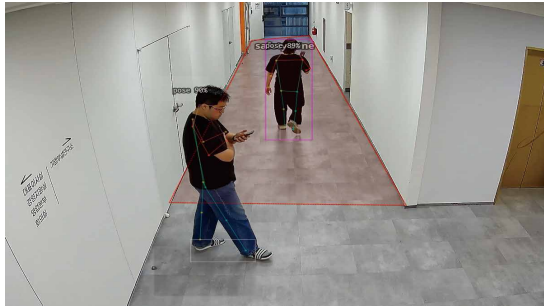
RTSP



Supports over 130 manufacturers Camera protocols & All Existing IP Cameras

Ai-Analysis Algorithm Function

Safety Zone Intrusion



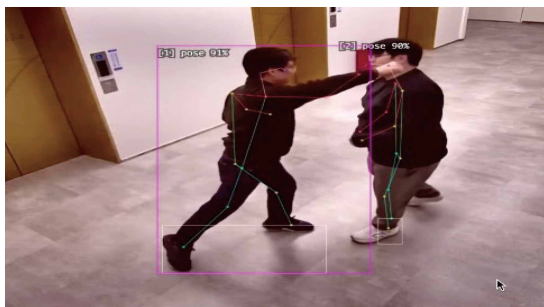
It estimates the POSE to determine foot position and triggers events only for people entering the zone. Unlike general motion or intrusion detection, the algorithm identifies people and can distinguish between those who are facing the zone and those who have not physically entered it.

Personal Protective Equipment



It detects safety helmet compliance and triggers events upon non-compliance. This enhances safety regulation adherence and prevents potential accidents in critical industrial environments.

Fight



By estimating poses, it detects fighting and assault to trigger events. This enables rapid monitoring of abnormal behavior in high-risk areas and schools, facilitating swift response.

Fall



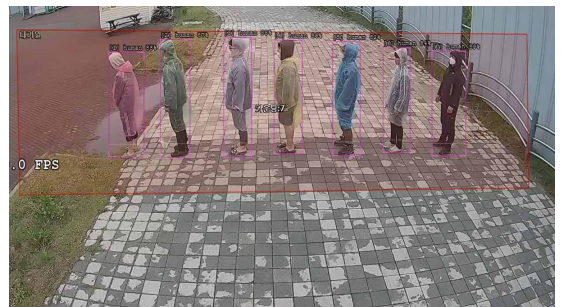
Detects falls by estimating posture (POSE) and triggers events. This aids rapid response by quickly monitoring abnormal behavior in security applications and specific facilities.

Intrusion / Loitering



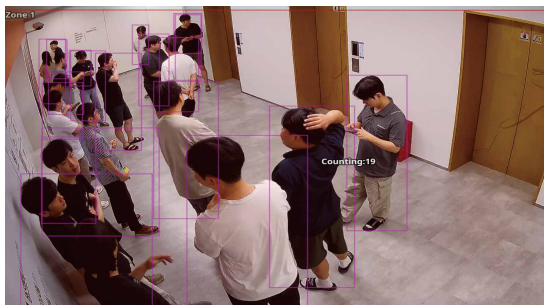
Detects intrusion or loitering through object detection and classification, triggering events. By preemptively detecting loitering behavior before intrusion, it enables proactive warning notifications and the application of preemptive control measures.

Queueing



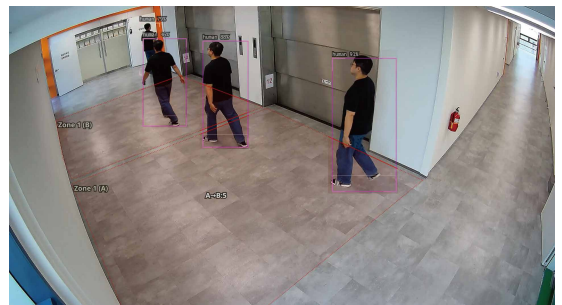
Queue detection monitors the number of people waiting in a designated area. It triggers an event when the queue length exceeds a set threshold. This is utilized for crowd management and detecting abnormal conditions.

Crowd Counting



The system uses algorithms to count the number of people in a specific area and analyze crowd density. This is utilized to prevent safety incidents and optimize crowd control at large events and facilities.

People Counting

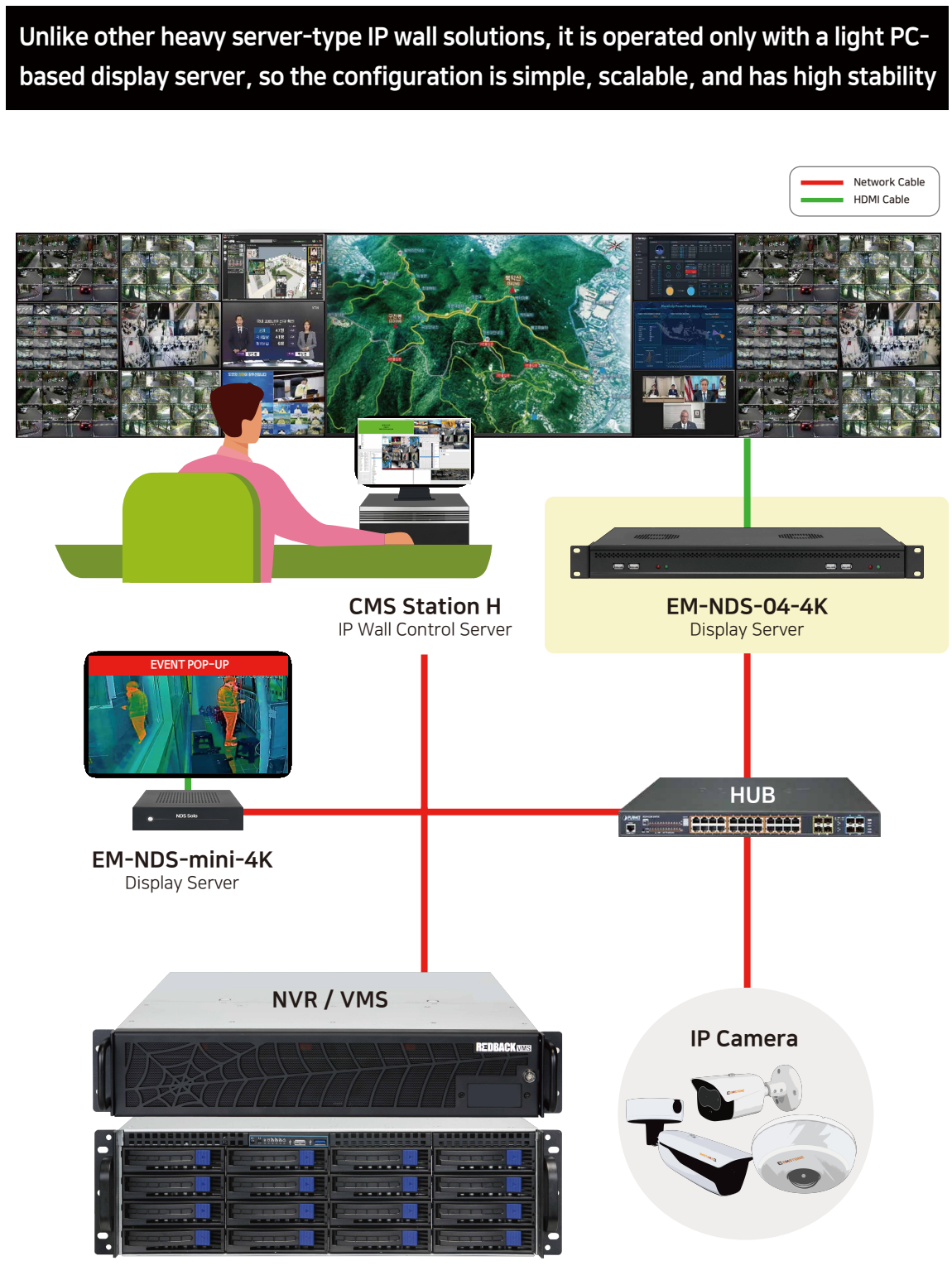


The people counting algorithm analyzes the direction of movement of objects within a designated area. It analyzes the number of people entering and exiting the zone to optimize facility operations and manage congestion levels.

Smart IP Wall System is a solution that can be applied to all sites requiring integrated CCTV control.

Differences
from other
systems

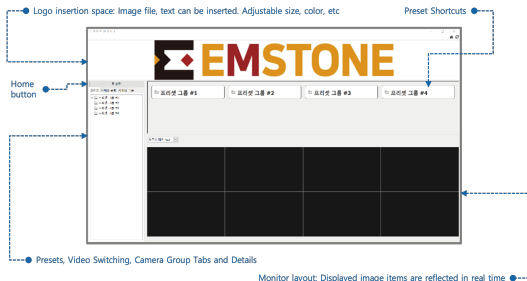
Diagram



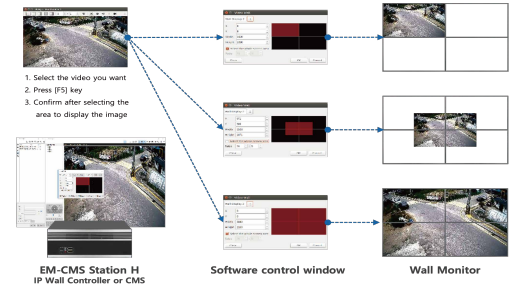
Feature

Simple and intuitive user interface

It supports IP Video Wall Control UI which can control set monitor layout and video preset with one click and reflect and display the currently displayed video in real time.

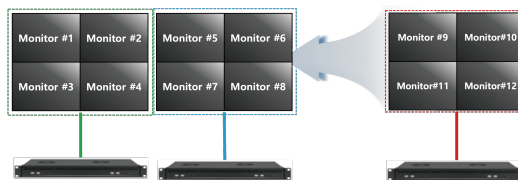


You can check the image to be displayed on the wall monitor with your own eyes, and anyone can easily operate it with a simple and intuitive configuration to display the desired image on the wall monitors.



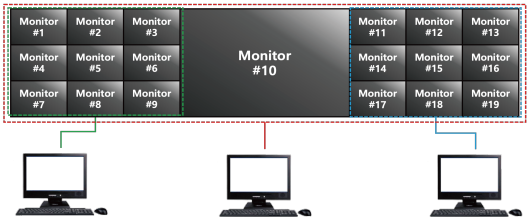
Same performance support for scaling

Unlike the existing video wall system, which does not support expansion when adding a wall monitor or degrades after expansion, the system can be expanded by adding a display server and supports the same performance.



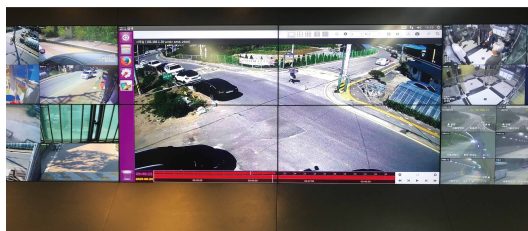
Support for multi-user and per-user permission settings

Multiple users can control the video wall at multiple control points, and each user can set the rights for wall monitor control and video control.



Search the video by displaying the search box on the wall monitor

Unlike the existing video wall system that can only display real-time video or encoded video, video search is possible by displaying the search box linked to the recording device on the wall monitor.



IP Video Wall Event Integration Screen

Event display function of NVR and linked system

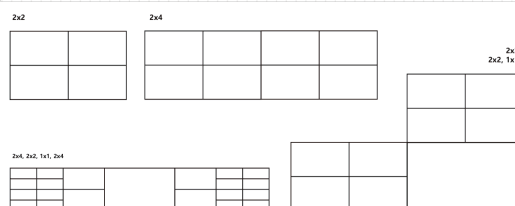
When events occur in the NVR and the linked system, the wall monitor supports interlocking functions such as video popup, event message, image popup, and videowall preset operation.

- Video Pop-up** Display position, size can be set. No limit on the number of videos displayed.
- Event Message** Text size, color changeable. Background color can be specified and changed. Display position, size can be set.
- Image pop-up** PNG, JPG, GIF, BMP available. Display position, size can be set.
- Video Wall Preset** Video wall preset operation.



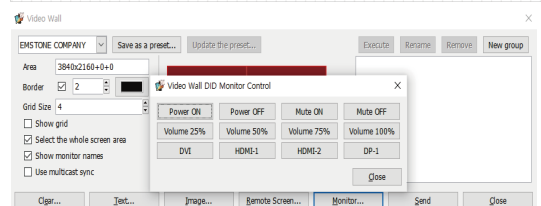
Free monitor layout configuration

In addition to the regular horizontal and vertical arrays, both monitor combinations and atypical monitor arrays of different sizes are supported.



Video wall DID monitor control

You can power on/off the video wall DID monitor with one button, and control the brightness and connection method.



Main Product Line-up

Video Management System

REDBACK VMS Performance Series



Central Monitoring System

CMS Station H



Network Video Recorder

1U B2



2UB8-E



3UB16-E



4UB24-E



Smart IP Wall

EM-NDS-mini-4K



EM-NDS-04-4K



Ai Analysis Server

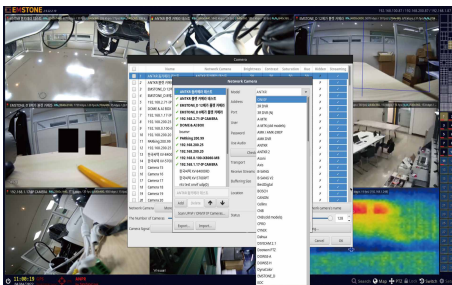
Ai-SERVER-mini



Ai-SERVER-Slim



The largest number of camera protocols from various manufacturers



- ▶ ONVIF / RTSP standard protocol default application
- ▶ Audio, motion, sensor input/output linkage by various manufacturers

avigilon
a Motorola Solutions Company

AXIS
COMMUNICATIONS



BOSCH

Canon

alhua
TECHNOLOGY

FLIR



Hanwha Vision

HIKVISION

Honeywell

JVC

Panasonic

SONY

UDP
TECHNOLOGY

UNV

VIVOTEK
A Delta Group Company

Performance Series

REDBACK VMS



Specification

Model		EM-VMS256B8+	EM-VMS512B8+
Video Input	IP Camera	256CH	512CH
	Max. License	up to 512CH	up to 1024CH
CPU		Intel i7(12Cores, up to 4.7GHz)	
RAM		DDR5 32GB	DDR5 64GB
SSD		mSATA SSD 120GB(OS, VMS)	
Display	Monitor output	2 x HDMI (4K60Hz)	
	Split screen	(1/2/4/6/7/9/10/13/16/25/36/49/64/81/100/128)	
Performance	Live/Play	FHD 64 channel simultaneous live/ play (Max 32Mp support for 1 camera)	
	Storage	Storage/Transmission of 128 FHD channels per HDD	
Network	Interface	2.5GbE 2ports and 10GbSFP+ 1port	2.5GbE 2ports and 10GbSFP+ 2port
	Bandwidth	15Gbps	25Gbps
	Simultaneous Access	1024(within network bandwidth)	
	Protocol	TCP/IP,UDP,DNS,DDNS,HTTP,NTP,RTP/RTCP,RTSP	
	Bandwidth Control	Auto, Manual	
Recording	Mode	Continuous, Schedule, Event linkage	
	Performance	Max CH x 4Mbps (up to Network Bandwidth of Storage System), CIF~32MP	
	Compression	H.265 / H.264 / MJPEG / MPEG4	
Search/ Play	Search Mode	Date / Time Calendar Search, Channel Bundle Search, Event Search	
	Play-Back Control	Forward / Reverse Playback (High Speed: x1 ~ x32, Low Speed: 1/4 ~ 1/2), Before / After Staff	
IP Camera	Resolution	CIF~32M	
	Protocol	Supported ONVIF / RTSP and Axis / Sony / Panasonic / Hanwha / Truen / Dahua / HIKVISION etc. over 130+	
Operating System		Linux 64bit(Embedded)	
Storage	Default	N/A	
	Available	Up to 8ea SATA type 3.5" HDDs (24TB HDD ~ Max 192TB, Surveillance / Enterprise Level)	
	RAID(option)	Support for external RAID 0/1/5/6/50/60 for EM-JBOD24B connections (up to 2ea) (Enterprise Level HDD only, up to 1,152TB)	
	Non-RAID (option)	HBA for EM-JBOD24B connections (up to 2ea) (Surveillance / Enterprise Level, Max 24TB x 24Bay x 2EA = 1,152TB)	
	SAN (FC,option)	HBA for SAN Storage connections (4G/8G/16G Single/Dual)	
	iSCSI (IP SAN)	Supported	
Back-up	Mode	Video (Multiple Channels, Time / Event Subtitle, Encryption), Still Image (Partial Mosaic supported)	
	File Format	MP4, JPG	
Event	Type	Motion Detection, Sensor, Relay, Disk Failure, Camera Signal Loss / Recovery, Emergency Call, LPR, POS, Elevator, Flame / Smoke Detection, Abnormal Sound Detection, Thermal Event, Intelligent Server Integration	
	Action	Recording, Alarm, Camera pop-up, Warning message, Warning sound, E-mail, FTP, Preset	
Application	PC	Live, Search, Backup, Event Manager, E-Map, Multi-monitors, Pan/Tilt/Zoom Control, NVR Setting	
	Web	Live, Pan / Tilt / Zoom for all channels	
	Mobile	iOS / Android Apps	
Security		Multi User Level, Biometric Authentication	
Failover		Supported	
Data/Time Synchronization		NTP timeserver, own NTP server function, self synchronization via GPS(option)	
Intelligent Solution	Built-in SW	EMSTONE video analysis AI-based flame/smoke detection 1 channel(* Additional License Options)	
	External	E/L CRT system, EM-call system, LPR Camera, Flame/Smoke Detect system, Password management solution, Video export security system	
	Interworking Analysis Server	EMSTONE-AI, Intellivix, NEXREAL, IVS, HanwhaVision, Truen, ITX, CHAJA, Neotech	
Operating Temp / Humidity		5℃~40℃ / 0%~90%	
Power Supply / Current		SMPS 500W (input from AC100~240V 50/60Hz)	
Product Dimension (W x H x D) / Weight		430.4(W) X 88.4(H) X 480(D)mm / 12kg (without HDD)	
Packing Dimension(W x H x D) / Weight		570(W) X 175(H) X 710(D)mm / 15.5kg (without HDD)	

※ The specification of this product may change without prior notice.

Network Video Recorder

Performance Series

1UB2



Specification

Model		EM-04B2	EM-09B2	EM-16B2	EM-25B2
Video input	IP Camera	4CH	9CH	16CH	25CH
CPU		Dual Core 1.0GHz or Higher			
RAM		DDR4 4GB		DDR4 8GB	DDR4 16GB
Display	Monitor output	1xHDMI / 1xVGA			
	Split screen	1/2/4	1/2/4/6/7/9	1/2/4/6/7/9/10/13/16	1/2/4/6/7/9/10/13/16/25
	Performance (CH/fps)	12M(1CH/15fps) 8M(1CH/30fps) 5M(2CH/60fps) 1080P(4CH/120fps)	12M(1CH/30fps) 8M(2CH/60fps) 5M(4CH/120fps) 1080P(9CH/270fps)	12M(2CH/60fps) 8M(4CH/120fps) 5M(6CH/180fps) 1080P(16CH/480fps)	12M(3CH/90fps) 8M(4CH/120fps) 5M(6CH/240fps) 1080P(25CH/750fps)
Recording	Mode	Continuous, Schedule, Event linkage			
	Performance	Max. 500Mbps / CIF ~12MP			
	Compression	H.265 / H.264 / MPEG4 / MJPEG			
Search/Play	Search Mode	Date / Time Calendar Search, Channel Bundle Search, Event Search			
	Play-Back Control	Play forward / backward (fast:x1~x32, slow:1/4~1/2), Step forward / backward			
IP Camera	Resolution	CIF~12M			
	Protocol	Supported IP Camera and ONVIF / RTSP			
Operating System		Linux 64bit(Embedded) / mSATA SSD 16GB(OS, NVR SW DISC)			
Storage	Default	None			
	Available	Up to 2ea 3.5" HDD can be installed (20TB HDD, available, up to 40TB capacity)			
	RAID/External	Not Supported			
	Hot Swap	Hot Plug Supported			
Back-up	Backup Mode	Video(multiple back up, date/time/event information display, encryption function support), still image(partial mosaic support)			
	File Format	MP4, JPG			
Application	PC	Live, Search, Backup, Event Manager, E-Map, Multi-Monitor, PAN / TILT / ZOOM Control, NVR Setting			
	Web	All Channel Live, PAN/TILT/ZOOM Control			
	Smart Phone	Provide iPhone / Android APP			
Network	Interface	10/100/1000 Base-Tx Ethernet (RJ45) – 1ea			
	Maximum User	1024 (within network bandwidth)			
	Protocol	TCP/IP, UDP, DNS, DDNS, HTTP, NTP, RTP/RTCP, RTSP			
Operating temperature / humidity		5℃~40℃ / 0%~90%			
Power / Power Consumption		DC12V 5A Adapter (AC100 ~ 240V 50/60Hz)			
Dimension (W x H x D)		430.0(W) X 44.5(H) X 249.5(D)mm			
Weight		3.66Kg(without HDD)			

※ The specification of this product may change without prior notice.

Performance Series

2UB8-E



Specification

Model		EM-16B8-E		EM-25B8-E		EM-36B8-E		EM-64B8-E		EM-128B8-E			
Video Input		IP Camera		16CH		25CH		36CH		64CH		128CH	
CPU		intel Celeron(5Cores, up to 1.1GHz)						intel i5(12Cores, up to 4.4GHz)					
RAM		DDR5 16GB						DDR5 32GB					
SSD		mSATA SSD 16GB(OS, NVR)											
Display	Monitor output	2 x HDMI (4K60Hz)											
	Split screen	(1/2/4/6/10/13/16)		(EM-16B8V2)+ 25		(EM-25B8V2)+ 36		(EM-36B8V2)+ 64		(1/2/4/6/7/9/10/13/16/25/36/49/64 /81/100/128)			
Performance	Live/Play	FHD 16CH		FHD 25CH		FHD 36CH		FHD 64 channel simultaneous live/ play (Max 32Mp support for 1 camera)					
	Storage	Storage/Transmission of 128 FHD channels per HDD											
Network	Interface	2.5GbE 2ports											
	Bandwidth	5Gbps											
	Simultaneous Access	1024(within network bandwidth)											
	Protocol	TCP/IP,UDP,DNS,DDNS,HTTP,NTP,RTP/RTCP,RTSP											
	Bandwidth Control	Auto, Manual											
Recording	Mode	Continuous, Schedule, Event linkage											
	Performance	Max CH x 4Mbps (up to Network Bandwidth of Storage System), CIF~32MP											
	Compression	H.265 / H.264 / MJPEG / MPEG4											
Search/ Play	Search Mode	Date / Time Calendar Search, Channel Bundle Search, Event Search											
	Play-Back Control	Forward / Reverse Playback (High Speed: x1 ~ x32, Low Speed: 1/4 ~ 1/2), Before / After Staff											
IP Camera	Resolution	CIF~32M											
	Protocol	Supported ONVIF / RTSP and Axis / Sony / Panasonic / Hanwha / Truen / Dahua / HIKVISION etc. over 130+											
Operating System		Linux 64bit(Embedded)											
Storage	Default	N/A											
	Available	Up to 8ea SATA type 3.5" HDDs (24TB HDD – Max 192TB, Surveillance / Enterprise Level)											
	RAID(option)	Support for external RAID 0/1/5/6/50/60 for EM-JBOD24B connections (up to 2ea) (Enterprise Level HDD only, up to 1,152TB)											
	Non-RAID (option)	HBA for EM-JBOD24B connections (up to 2ea) (Surveillance / Enterprise Level, Max 24TB x 24Bay x 2EA = 1,152TB)											
	SAN (FC,option)	HBA for SAN Storage connections (4G/8G/16G Single/Dual)											
	iSCSI (IP SAN)	Supported											
Back-up	Mode	Video (Multiple Channels, Time / Event Subtitle, Encryption), Still Image (Partial Mosaic supported)											
	File Format	MP4, JPG											
Event	Type	Motion Detection, Sensor, Relay, Disk Failure, Camera Signal Loss / Recovery, Emergency Call, LPR, POS, Elevator, Flame / Smoke Detection, Abnormal Sound Detection, Thermal Event, Intelligent Server Integration											
	Action	Recording, Alarm, Camera pop-up, Warning message, Warning sound, E-mail, FTP, Preset											
Application	PC	Live, Search, Backup, Event Manager, E-Map, Multi-monitors, Pan/Tilt/Zoom Control, NVR Setting											
	Web	Live, Pan / Tilt / Zoom for all channels											
	Mobile	iOS / Android Apps											
Security		Multi User Level, Biometric Authentication											
Failover		Supported											
Data/Time Synchronization		NTP timeserver, own NTP server function, self synchronization via GPS(option)											
Intelligent Solution	Built-in SW	EMSTONE video analysis AI-based flame/smoke detection 1 channel(※ Additional License Options)											
	External	E/L CRT system, EM-call system, LPR Camera, Flame/Smoke Detect system, Password management solution, Video export security system											
	Interworking Analysis Server	EMSTONE-AI, Intellivix, NEXREAL, IVS, HanwhaVision, Truen, ITX, CHAJA, Neotech											
Operating Temp / Humidity		5℃~40℃ / 0%~90%											
Power Supply / Current		SMPS 500W (input from AC100~240V 50/60Hz)											
Product Dimension (W x H x D) / Weight		430.4(W) X 88.4(H) X 480(D)mm / 12kg (without HDD)											
Packing Dimension(W x H x D) / Weight		570(W) X 175(H) X 710(D)mm / 15.5kg (without HDD)											

※ The specification of this product may change without prior notice.

Network Video Recorder

Performance Series

3UB16-E



Specification

Model		EM-36B16-E	EM-64B16-E	EM-128B16-E
Video Input	IP Camera	36CH	64CH	128CH
CPU		intel i5(12Cores, up to 4.4GHz)		
RAM		DDR5 32GB		
SSD		mSATA SSD 16GB(OS, NVR)		
Display	Monitor output	2 x HDMI(4K60Hz)		
	Split screen	(1/2/4/6/7/9/10/13/16/25/36)	(1/2/4/6/7/9/10/13/16/25/36/49/64)	(1/2/4/6/7/9/10/13/16/25/36/49/64/81/100/128)
Performance	Live/Play	FHD 36CH	FHD 64CH	
	Storage	Storage/Transmission of 128 FHD channels per HDD		
Network	Interface	RJ45 2.5GbE 2ports		
	Bandwidth	5Gbps		
	Simultaneous Access	1024(within network bandwidth)		
	Protocol	TCP/IP,UDP,DNS,DDNS,HTTP,NTP,RTP/RTCP,RTSP		
	Bandwidth Control	Auto, Manual		
Recording	Mode	Continuous, Schedule, Event linkage		
	Performance	Max CH x 4Mbps (up to Network Bandwidth of Storage System), CIF~32MP		
	Compression	H.265 / H.264 / MJPEG / MPEG4		
Search/ Play	Search Mode	Date / Time Calendar Search, Channel Bundle Search, Event Search		
	Play-Back Control	Forward/Reverse Playback (High Speed: x1~x32, Low Speed: 1/4~1/2), Before / After Staff		
IP Camera	Resolution	CIF~32M		
	Protocol	Supported ONVIF / RTSP and Axis / Sony / Panasonic / Hanwha / Truen / Dahua / HIKVISION etc. over 130+		
Operating System		Linux 64bit(Embedded)		
Storage	Default	N/A		
	Available	Up to 16ea SATA type 3.5" HDDs (24TB HDD – Max 384TB, Surveillance / Enterprise Level)		
	RAID(option)	Support for external RAID 0/1/5/6/50/60 for EM-JBOD24B connections (up to 2ea) (Enterprise Level HDD only, up to 1,152TB)		
	Non-RAID (option)	HBA for EM-JBOD24B connections (up to 2ea) (Surveillance / Enterprise Level, Max 24TB x 24Bay x 2EA = 1,152TB)		
	SAN (FC,option)	HBA for SAN Storage connections (4G/8G/16G Single/Dual)		
	iSCSI (IP SAN)	Supported		
Back-up	Mode	Video (Multiple Channels, Time / Event Subtitle, Encryption), Still Image (Partial Mosaic supported)		
	File Format	MP4, JPG		
Event	Type	Motion Detection, Sensor, Relay, Disk Failure, Camera Signal Loss / Recovery, Emergency Call, LPR, POS, Elevator, Flame / Smoke Detection, Abnormal Sound Detection, Thermal Event, Intelligent Server Integration		
	Action	Recording, Alarm, Camera pop-up, Warning message, Warning sound, E-mail, FTP, Preset		
Application	PC	Live, Search, Backup, Event Manager, E-Map, Multi-monitors, Pan/Tilt/Zoom Control, NVR Setting		
	Web	Live, Pan / Tilt / Zoom for all channels		
	Mobile	iOS / Android Apps		
Security		Multi User Level, Biometric Authentication		
Failover		Supported		
Data/Time Synchronization		NTP timeserver, own NTP server function, self synchronization via GPS(option)		
Intelligent Solution	Built-in SW	EMSTONE video analysis AI-based flame/smoke detection 1 channel(※ Additional License Options)		
	External	E/L CRT system, EM-call system, LPR Camera, Flame/Smoke Detect system, Password management solution, Video export security system		
	Interworking Analysis Server	EMSTONE-AI, Intellivix, NEXREAL, IVS, HanwhaVision, Truen, ITX, CHAJA, Neotech		
Operating Temp / Humidity		5 C~40 C / 0%~90%		
Power Supply / Current		SMPS 500W (input from AC100 ~ 240V 50/60Hz)		
Product Dimension (W x H x D) / Weight		430.4(W) X 133.4(H) X 550(D)mm /14.6kg (without HDD)		
Packing Dimension(W x H x D) / Weight		570(W) X 225(H) X 765(D)mm /20.3kg (without HDD)		

※ The specification of this product may change without prior notice.

Network Video Recorder

Performance Series

4UB24-E



Specification

Model		EM-36B24V2	EM-64B24V2	EM-128B24V2
Video Input	IP Camera	36CH	64CH	128CH
CPU		intel i5(12Cores, up to 4.4GHz)		
RAM		DDR5 32GB		
SSD		mSATA SSD 16GB(OS, NVR)		
Display	Monitor output	2 x HDMI(4K60Hz)		
	Split screen	(1/2/4/6/7/9/10/13/16/25/36)	(1/2/4/6/7/9/10/13/16/25/36/49/64)	(1/2/4/6/7/9/10/13/16/25/36/49/64/81/100/128)
Performance	Live/Play	FHD 36CH	FHD 64CH	
	Storage	Storage/Transmission of 128 FHD channels per HDD		
Network	Interface	RJ45 2.5GbE 2ports		
	Bandwidth	5Gbps		
	Simultaneous Access	1024(within network bandwidth)		
	Protocol	TCP/IP,UDP,DNS,DDNS,HTTP,NTP,RTP/RTCP,RTSP		
	Bandwidth Control	Auto, Manual		
Recording	Mode	Continuous, Schedule, Event linkage		
	Performance	Max CH x 4Mbps (up to Network Bandwidth of Storage System), CIF~32MP		
	Compression	H.265 / H.264 / MJPEG / MPEG4		
Search/Play	Search Mode	Date / Time Calendar Search, Channel Bundle Search, Event Search		
	Play-Back Control	Forward/Reverse Playback (High Speed: x1~x32, Low Speed: 1/4~1/2), Before / After Staff		
IP Camera	Resolution	CIF~32M		
	Protocol	Supported ONVIF / RTSP and Axis / Sony / Panasonic / Hanwha / Truen / Dahua / HIKVISION etc. over 130+		
운영체제		Linux 64bit(Embedded)		
Storage	Default	N/A		
	Available	Up to 24ea SATA type 3.5" HDDs (24TB HDD - Max 576TB, Surveillance / Enterprise Level)		
	RAID(option)	Support for external RAID 0/1/5/6/50/60 for EM-JBOD24B connections (up to 2ea) (Enterprise Level HDD only, up to 1,152TB)		
	Non-RAID (option)	HBA for EM-JBOD24B connections (up to 2ea) (Surveillance / Enterprise Level, Max 24TB x 24Bay x 2EA = 1,152TB)		
	SAN (FC,option)	HBA for SAN Storage connections (4G/8G/16G Single/Dual)		
	iSCSI (IP SAN)	Supported		
Back-up	Mode	Video (Multiple Channels, Time / Event Subtitle, Encryption), Still Image (Partial Mosaic supported)		
	File Format	MP4, JPG		
Event	Type	Motion Detection, Sensor, Relay, Disk Failure, Camera Signal Loss / Recovery, Emergency Call, LPR, POS, Elevator, Flame / Smoke Detection, Abnormal Sound Detection, Thermal Event, Intelligent Server Integration		
	Action	Recording, Alarm, Camera pop-up, Warning message, Warning sound, E-mail, FTP, Preset		
Application	PC	Live, Search, Backup, Event Manager, E-Map, Multi-monitors, Pan/Tilt/Zoom Control, NVR Setting		
	Web	Live, Pan / Tilt / Zoom for all channels		
	Mobile	iOS / Android Apps		
Security		Multi User Level, Biometric Authentication		
Failover		Supported		
Data/Time Synchronization		NTP timeserver, own NTP server function, self synchronization via GPS(option)		
Intelligent Solution	Built-in SW	EMSTONE video analysis AI-based flame/smoke detection 1 channel(* Additional License Options)		
	External	E/L CRT system, EM-call system, LPR Camera, Flame/Smoke Detect system, Password management solution, Video export security system		
	Interworking Analysis Server	EMSTONE-AI, Intellivix, NEXREAL, IVS, HanwhaVision, Truen, ITX, CHAJA, Neotech		
Operating Temp / Humidity		5℃~40℃ / 0%~90%		
Power Supply / Current		SMPS 1200W (input from AC100 ~ 240V 50/60Hz)		
Product Dimension (W x H x D) / Weight		430.4(W) X 175.4(H) X 550(D)mm /17.5kg (HDD without)		
Packing Dimension(W x H x D) / Weight		570(W) X 270(H) X 765(D)mm /23.3kg (HDD without)		

※ The specification of this product may change without prior notice.

Smart IP Wall



Network Display Server

NDS-mini-4K



Specification

Model		EM-NDS-mini-4K
Monitor	Output	1 of HDMI
	Output Performance	Full-HD Monitor Display – up to 1ea(60Hz) Ultra HD Monitor Display – up to 1ea(60Hz)
Video output Performance	Full-HD Monitor	D1(720x480): 1,920fps HD(1280x720): 960fps Full HD(1920x1080): 480fps Ultra HD(3840x2160): 120fps
	Ultra HD Monitor	D1(720x480): 1,920fps HD(1280x720): 960fps Full HD(1920x1080): 480fps Ultra HD(3840x2160): 120fps
Operating System		Linux 64bit (Embedded)
CPU		Dual Core 1.8GHz or Higher
RAM		DDR4 16G RAM
VGA		Integrated Graphic
Disk		SSD mSATA 16G
Network	Interface	2ea of 1/2.5Gbps Ethernet (RJ45)
	Bandwidth Control	Auto
Operating Temp / Humidity		0℃~40℃ / 0%~90%
Power Supply / Current		DC12V 5A
Dimension (W x H x D)		185.0(W) x 45.0(H) x 197.5(D) mm
Weight		Approx. 1.04Kg (without VESA Mount)

※ The specification of this product may change without prior notice.

Smart IP Wall

Network Display Server

NDS-04-4K

Specification

Model		EM-NDS-04-4K
Monitor	Output	4 of HDMI ports
	Output Performance	Full-HD Monitor Display – up to 4ea Ultra HD Monitor Display – up to 4ea
Video output Performance	Full-HD Monitor	D1(720x480): 4 x 1,920fps HD(1280x720): 4 x 960fps Full HD(1920x1080): 4 x 480fps Ultra HD(3840x2160): 4 x 120fps
	Ultra HD Monitor	D1(720x480): 4 x 1,920fps HD(1280x720): 4 x 960fps Full HD(1920x1080): 4 x 480fps Ultra HD(3840x2160): 4 x 120fps
Operating System		Linux 64bit (Embedded)
CPU		2ea Quad Core 2.4GHz or Higher
RAM		DDR4 32G RAM
VGA		Integrated Graphic(Intel® Iris® X® Graphic)
Disk		M.2 SSD 32G
Network	Interface	4ea of 1/2.5Gbps Ethernet (RJ45)
	Bandwidth Control	Auto
Operating Temp / Humidity		0℃~40℃ / 0%~90%
Power Supply / Current		2ea of DC12V 5A
Dimension (W x H x D)		430.0(W) x 45.0(H) x 248.0(D) mm
Weight		Approx. 2.98Kg

※ The specification of this product may change without prior notice.

AI Analysis Server

REDBACK AI

AI-SERVER-mini



Model name		EM-AI04mini	EM-AI08mini	EM-AI16mini	EM-AI00mini
Video input	Default	4CH	8CH	16CH	0CH
	Max	Up to 4CH	Up to 8CH	Up to 16CH	Up to 16CH
Inference Budget		20	20	24	24
CPU		intel i5(14cores)			
GPU		Intel Arc Graphics			
NPU		Intel NPU3 (11TOPs)			
Total TOPs(CPU+GPU+NPU)		Up to 34TOPs			
RAM		DDR5 16GB		DDR5 32GB	
SSD		M.2 SSD 128GB (OS, Event DB)			
Display	Monitor output	1 x HDMI(8K60Hz) + 1 x HDMI(4K60Hz)			
	Split screen	(1/2/4)	(1/2/4/6/9)	(1/2/4/6/10/13/16)	depend on CH
Network Bandwidth / interface		5Gbps / RJ-45 2.5GbE 2port			
Bandwidth Control		Auto, Manual			
Simultaneous Access		1024 (Within network bandwidth)			
IP camera	Resolution	CIF-32M			
	protocol	ONVIF / RTSP and Axis / Sony / Panasonic / Hanwha / Truen / Dahua / HIKVISION etc. over 130+			
OS		Linux 64bit (Embedded)			
Alarm event	type	Motion Detection, Sensor, Relay, Camera Signal Loss / Recovery			
	External	Emergency Call, POS, Thermal Event(Thermal, Sensor)			
Intelligent Event	LPR	EMSTONE video analysis AI-based LPR (Option)			
	Fire / Smoke	EMSTONE video analysis AI-based flame/smoke detection (Option)			
	Intelligent Part 1	EMSTONE video analysis AI-based Intrusion/Loitering/Queuing/people counting/crowding, Safety Zone Intrusion/fail/Fighting/Personal protective Equipment(PPE) and ETC			
Action		Alarm, Camera pop-up, Warning message, Warning sound, E-mail, FTP, Preset, HTTPS API Support			
Security		Multi User Level, Biometric authentication support			
Data/Time Synchronization		NTP timeserver, own NTP server function, self synchronization via GPS(option)			
Operating Temp / Humidity		5℃~40℃ / 0%~90%			
Power Supply / Current		DC12V 10A (AC 100-240V input)			
Dimension (W x H x D)		185(W) x 45(H) x 197.5(D) mm / Approx. 1.14 kg (Vesa mount 0.08kg Without)			
Package Dimension (W x H x D)		350(W) x 76(H) x 235(D) mm / Approx. 1.95 kg			

※ The specification of this product may change without prior notice.

AI Analysis Server

REDBACK AI

AI-SERVER-Slim



Model name		EM-AI16S	EM-AI32S	EM-AI00S
Video input	Default	16CH	32CH	0CH
	Max	Up to 16CH	Up to 32CH	Up to 32CH
Inference Budget		48		
CPU		Dual intel i5 (14+14 cores)		
GPU		Dual Intel Arc Graphics		
NPU		Dual Intel NPU3 (22TOPs)		
Total TOPs(CPU+GPU+NPU)		Up to 68TOPs		
RAM		DDR5 64GB		
SSD		Dual M.2 SSD 128GB (OS, Event DB)		
Display	Monitor output	2 x HDMI(8K60Hz) + 2 x HDMI(4K60Hz)		
	Split screen	(1/2/4/6/9/16)		depend on CH
Network Bandwidth / interface		10Gbps / RJ-45 2.5GbE 4port		
Bandwidth Control		Auto, Manual		
Simultaneous Access		1024 (Within network bandwidth)		
IP camera	Resolution	CIF-32M		
	protocol	ONVIF / RTSP and Axis / Sony / Panasonic / Hanwha / Truen / Dahua / HIKVISION etc. over 130+		
OS		Linux 64bit (Embedded)		
Alarm event	type	Motion Detection, Sensor, Relay, Camera Signal Loss / Recovery		
	External	Emergency Call, POS, Thermal Event(Thermal, Sensor)		
Intelligent Event	LPR	EMSTONE video analysis AI-based LPR (Option)		
	Fire / Smoke	EMSTONE video analysis AI-based flame/smoke detection (Option)		
	Intelligent Part 1	EMSTONE video analysis AI-based Intrusion/Loitering/Queuing/people counting/crowding, Safety Zone Intrusion/fail/Fighting/Personal protective Equipment(PPE) and ETC		
Action		Alarm, Camera pop-up, Warning message, Warning sound, E-mail, FTP, Preset, HTTPS API Support		
Security		Multi User Level, Biometric authentication support		
Data/Time Synchronization		NTP timeserver, own NTP server function, self synchronization via GPS(option)		
Operating Temp / Humidity		5℃~40℃ / 0%~90%		
Power Supply / Current		Dual DC12V 10A (AC 100~240V input)		
Dimension (W x H x D)		430(W) x 45(H) x 248(D) mm / Approx. 3.18 kg		
Package Dimension (W x H x D)		498(W) x 115(H) x 351(D) mm / Approx. 3.60 kg		

※ The specification of this product may change without prior notice.

Central Monitoring Server

CMS Station H



Specification

Model		EM-CMS Station H
CMS Version	Default	CMS Basic Version (8 Host)
	Options	16/64/128/512/1024 Host
Operating System		Ubuntu 22.04 with modified Linux Kernel, OpenGL and X-Windows
CPU		Intel Dual Core 1.8Hz
RAM		DDR4 16G RAM (8Gx2ea)
VGA		Integrated Graphic (included 48 Execution Unit)
Disk		M.2 SSD 128G
Display	Monitor Output	2xHDMI(up to 4K 60Hz support)
	Mode	Various display mode and full screen mode like 1x1, 1x2, 2x1, 2x2, 3x3
	Performance	Full HD 32CH Decoding, Up to 8K(7680x4320) Decoding
Search/Replay	Method	Date / Time Calendar Search, Individual / Channel Bundle Search, Event Search
	Replay Control	Forward direction (high speed:x1~x32), Step forward / backward
Backup	Mode	Video, Still Image
	File Format	MP4, JPG, Encrypted Backup
Video Wall		EMSTONE IP Video Wall System Setup / Control
Event	Type	Motion Detection, Sensor, Relay, Disk Failure, Camera Signal Loss / Recovery, Emergency Bell, License Plate Recognition, POS, Elevator CRT, Fire / Smoke Detection, Abnormal Sound Detection, Thermal Imaging Camera
	Action	Alarm Digital-out, Pop-up Camera, Alarm Sound, Warning Message, Preset Control, IP Video Wall Control (Video / Image / Text Output Control, Preset)
Network	Interface	1/2.5Gbps Ethernet (RJ45) -2ea
	Bandwidth Control	Automatic, Manual
Operating temperature / humidity		5℃~40℃ / 0%~90%
Power / Power Consumption		DC12V 5A
Dimension (W x H x D)		224.0(W) X 88.8(H) X 200.0(D)mm
Weight		Approx. 2.7Kg

※ The specification of this product may change without prior notice.

Camera

PARROT



5MP Parrot Camera



Specification

Model		EM-IQV(14W5Z)	EM-IQP(14W5Z)
Camera	Image Sensor	1/2.8" 5Megapixel progressive CMOS	
	Electronic Shutter Speed	1 sec ~ 1/10,000sec(60/30 mode) 1 sec ~ 1/10,000sec(50/25mode)	
	Min. Illumination	0.05Lux (Color), 0.01Lux(B/W), 0 Lux (light)	
	Illumination Distance	IR LED : 30 m Warm LED : 10m	
Lens	Lens Type	Motorized Vari-focal	
	Focal Length	2.7 ~ 13.5mm, F1.6 ~ F2.8	
	Field of View	103.4°(W) ~ 23.8°(T)	
PTZ	Pan/Tilt Radius	–	Pan: 360° (Endless) / Tilt : –40° ~ +45°
	Pan/Tilt Speed	–	Pan: 0.1°~ 90°/sec / Tilt : 0.1° ~ 20°/sec
	Preset	255	
	Group	8 Groups (Max. 16 presets)	
Video	Video Compression	H.265 / H.264 / MJPEG	
	Video Frame Rate	Max. 30 fps for 5M/4M/1080P/720P/D1	
Function	Day/Night	Auto / Day / Night(ICR)	
	BLC/HLC/WDR	Yes	
	White Balance	Auto/Indoor/Outdoor/Manual	
	IVS	Motion Detection, Line Cross, Area Entrance, Area Exit, Appear/Disappear	
Audio	Audio Compression	G.711 A-law, G.711 μ-law, 128kbps, sampling rate 8kHz	
	Speaker / Mic	14W 6Ω Built-in Speaker , Built-in MIC (For TSM)	
	Function	TSM (True Sound Monitoring)	
Network	Interface	RJ-45 (10/100 BASE-T)	
	Protocol	ONVIF(profile S), EMSTONE_P, IPv4, TCP/IP, UDP, RTP, RTSP, RTMP, HTTP, HTTPS	
	User/Host	10	
Power	Power Supply	PoE+ / DC12V 2A	PoE+ / DC12V 3.5A
	Operating Conditions	–30°C to +50°C /less than ≤ 95% RH	
	Protection	IP66, IK10	
Structure	Dimensions	190 mm × 233 mm × 125 mm	190 mm × 233 mm × 265 mm
	Net Weight	2.1kg	3.3kg

※ The specification of this product may change without prior notice.

Camera

DOME CAMERA

EM-IQD(F21P)**EM-IQD(IR28P)**

Specification

Model		EM-IQD(F21P)	EM-IQD(IR28P)
Camera	Image Sensor	1/2.7" 5Megapixel progressive CMOS	
	Max. Resolution	2880 x 1620 pixel	
	Electronic Shutter Speed	1/3 sec ~ 1/10,000sec	
	Min. Illumination	0.006Lux (Color), 0.01Lux(B/W)	0.006Lux(Color), 0.01Lux(B/W), 0 Lux (light)
	Illumination Distance	–	More than 30M, Wave: 850nm
	LED Type	–	IR LED, WARM LED
Lens	Lens Type	Fixed	
	Focal Length	2.1mm, F2.1	2.8mm, F1.6
	Field of View	H : 140° / V : 79°	H : 102° / V : 56°
Video	Video Compression	H.265 / H.264 / MJPEG	
	Video Frame Rate	Max. 30 fps for 5M/4M/1080P/720P/D1/CIF	
Function	Day/Night	Auto / Day / Night(ICR)	
	BLC/HLC/WDR	Yes	
	White Balance	Auto / Manual	
	IVS	Motion detection, Video Shelter, Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving	
Audio	Audio Compression	G.711 A-law, G.711 μ-law, 128kbps, sampling rate 8kHz	
	Speaker / Mic	Built-in Mic	–
	Function	Abnormal Sound Detection	–
Network	Interface	RJ-45 (10/100 BASE-T)	
	Protocol	ONVIF(profile S), EMSTONE_P, IPv4, TCP/IP, UDP, RTP, RTSP, RTMP, HTTP, HTTPS	
	User/Host	10	
Power	Power Supply	PoE (802.af) / DC12V (5W)	PoE (802.af) / DC12V (10W)
	Operating Conditions	-30°C to +60°C	
	Protection	IP67, IK10	
Structure	Dimensions	112 mm × 87.5 mm	
	Net Weight	600g	497g

※ The specification of this product may change without prior notice.

Camera

BULLET CAMERA

EM-IQV(IR28P)**EM-IUV(IR2812ZP)**

Specification

Model		EM-IQV(IR28P)	EM-IUV(IR2812ZP)
Camera	Image Sensor	1/2.7" 5Megapixel progressive CMOS	1/1.8" 8Megapixel progressive CMOS
	Max. Resolution	2880 x 1620 pixel	3840 x 2160 pixel
	Electronic Shutter Speed	1/3 sec ~ 1/10,000sec	
	Min. Illumination	0.006Lux(Color), 0.01Lux(B/W), 0 Lux(light)	0.003Lux(Color), 0 Lux (light)
	Illumination Distance	More than 30M, Wave: 850nm	More than 70M, Wave: 850nm More than 50M, Warm LED
	LED Type	IR LED, WARM LED	IR LED, WARM LED
Lens	Lens Type	Fixed	Motorized Vari-focal
	Focal Length	2.8mm, F1.6	2.8 ~ 12mm, F1.2 ~ F2.15
	Field of View	H : 102° / V : 56°	H : 112° ~ 48° / V : 59° ~ 28°
Video	Video Compression	H.265 / H.264 / MJPEG	
	Video Frame Rate	Max. 30 fps fo 5M/4M/1080P/720P/D1/CIF	Max. 30 fps fo 8M/6M/5M/4M/1080P/720P/D1/CIF
Function	Day/Night	Auto / Day / Night(ICR)	
	BLC/HLC/WDR	Yes	
	White Balance	Auto / Manual	
	IVS	Motion detection, Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving	
Audio	Audio Compression	G.711 A-law, G.711 μ -law, 128kbps, sampling rate 8kHz	
	Speaker / Mic	–	3W Built-in Speaker, Built-in MIC
	Function	–	Abnormal Sound Detection
Network	Interface	RJ-45 (10/100 BASE-T)	
	Protocol	ONVIF(profile S), EMSTONE_P, IPv4, TCP/IP, UDP, RTP, RTSP, RTMP, HTTP, HTTPS	
	User/Host	10	
Power	Power Supply	PoE (802.af) / DC12V (Max. 10W)	PoE (802.af) / DC12V (Max. 13W)
	Operating Conditions	-30°C to +60°C /less than $\leq$ 95% RH	
	Protection	IP67, IK10	IP67
Structure	Dimensions	Φ 68 x 172.3mm	Φ 93.5 x 278.9mm
	Net Weight	490g	1000g

※ The specification of this product may change without prior notice.

Camera

Thermal CAMERA

EM-IX(Q36P)



Specification

Model		EM-IX(Q36P)
Camera	Image Sensor	1/2.8" 5Megapixel progressive CMOS
	Max. Resolution	2880 x 1620 pixel
	Electronic Shutter Speed	1 sec ~ 1/10,000sec
	Min. Illumination	0.01Lux(Color), 0 Lux(light)
	Illumination Distance	More than 20M, Wave: 850nm
	LED Type	IR LED, WARM LED, RED LED (Alarm or Event)
Thermal	Detector Type	IR Array thermal sensor
	Resolution	32 x 24 Pixel
	Max Distance	Max. 10 Meter
Lens	Lens Type	Fixed
	Focal Length	2.8mm, F1.6
	Field of View	H : 95° / V : 48°
Video	Video Compression	H.265 / H.264 / MJPEG
	Video Frame Rate	Max. 30 fps for 5M/4M/1080P/720P/D1/CIF
Function	Day/Night	Auto / Day / Night(ICR)
	BLC/HLC/WDR	Yes
	White Balance	Auto / Manual
	IVS	Motion detection, Line Crossing, Area Intrusion, Region Entrance, Region Exiting
Audio	Audio Compression	G.711 A-law, G.711 μ-law, 128kbps, sampling rate 8kHz
	Speaker / Mic	3W Built-in Speaker , Built-in MIC (For TSM)
	Function	TSM (True Sound Monitoring)
Network	Interface	RJ-45 (10/100 BASE-T)
	Protocol	ONVIF(profile S), EMSTONE_P, IPv4, TCP/IP, UDP, RTP, RTSP, RTMP, HTTP, HTTPS
	User/Host	10
Power	Power Supply	PoE (802.af) / DC12V (12W)
	Operating Conditions	-20°C to +50°C
	Protection	IP66
Structure	Dimensions	Φ93.5 x 278.9 mm
	Net Weight	1000g

※ The specification of this product may change without prior notice.

Camera

Thermal CAMERA

EM-IX(Q2713P)



Specification

Model		EM-IX(Q2713P)
Camera	Image Sensor	1/2.8" 5Megapixel progressive CMOS
	Max. Resolution	2692 x 1944 pixel
	Electronic Shutter Speed	1 sec ~ 1/10,000sec
	Min. Illumination	0.05Lux(Color), 0.001Lux(B/W), 0 Lux(light)
	Illumination Distance	More than 50M, Wave: 850nm
	LED Type	IR LED
Thermal	Detector Type	Uncooled VOx Microbolometer
	Resolution	256 x 194 pixel
	Spectral Range	8 μ m~14 μ m
	Thermal Sensitivity	≤ 45 mK(@F#1.0, 300K)
	Lens	3.2mm F1.1 (HFOV X VFOV : 51°x 39°)
Lens	Lens Type	Motorized Vari-focal
	Focal Length	2.7 ~ 13.5 mm, F1.6 ~ F 2.8
	Field of View	101.9°(W) ~ 33.1°(T)
Video	Video Compression	H.265 / H.264 / MJPEG
	Video Frame Rate	Max. 30 fps for 5M/4M/1080P/720P/D1/CIF
Function	Day/Night	Auto / Day / Night(ICR)
	BLC/HLC/WDR	Yes
	White Balance	Auto / Manual
	IVS	Motion detection, Line Crossing, Area Intrusion, Region Entrance, Region Exiting
Audio	Audio Compression	G.711 A-law, G.711 μ -law, 128kbps, sampling rate 8kHz
	Speaker / Mic	3W Built-in Speaker
Network	Interface	RJ-45 (10/100 BASE-T)
	Protocol	ONVIF(profile S), EMSTONE_P, IPv4, TCP/IP, UDP, RTP, RTSP, RTMP, HTTP, HTTPS
	User/Host	10
Power	Power Supply	PoE+ / DC12V (18W)
	Operating Conditions	-30°C to +50°C
	Protection	IP66
Structure	Dimensions	132 x 250 x 116 mm
	Net Weight	1300g

※ The specification of this product may change without prior notice.



More videos including product demonstrations and references

