

Performance Series

2UB8-E



- 2U8Bay Storage Type PC base NVR
- HDD up to 8ea (Max.192TB/RAID Option)
- H.265, H.264 Compression
- Support all resolutions including CIF ~32M
- ONVIF/RTSP Standard Protocol
- Various display mode and full screen mode
- Smart Failover : Automatic takeover to spare unit when system is stopped
- User authentication with fingerprint mouse
- Model Line-up : 16, 25, 36, 49, 64, 128CH

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)	(1/2/4/6/10/13/16/25)	(1/2/4/6/10/13/16/25/36)	(1/2/4/6/10/13/16/25/36/49/64)	(1/2/4/6/7/9/10/13/16/25/36/49/64/81/100/128)
Performance	Live/Play	FHD 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				

Common Specification

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)

Dimensions

Certification

(mm)

