

# REDBACK VMS

## Performance Series



- Multi-Channel Reception Distribution Server
- HDD up to 8ea – DB Storage for events
- H.265, H.264 Compression
- Support all resolution including CIF ~12M
- ONVIF/RTSP Standard Protocol
- HTML5 Protocol for video streaming server
- Failover supported
- User authentication with fingerprint mouse
- API for integration with various 3<sup>rd</sup> party devices supported
- Model Line-up : 256+, 512+CH

### Specification

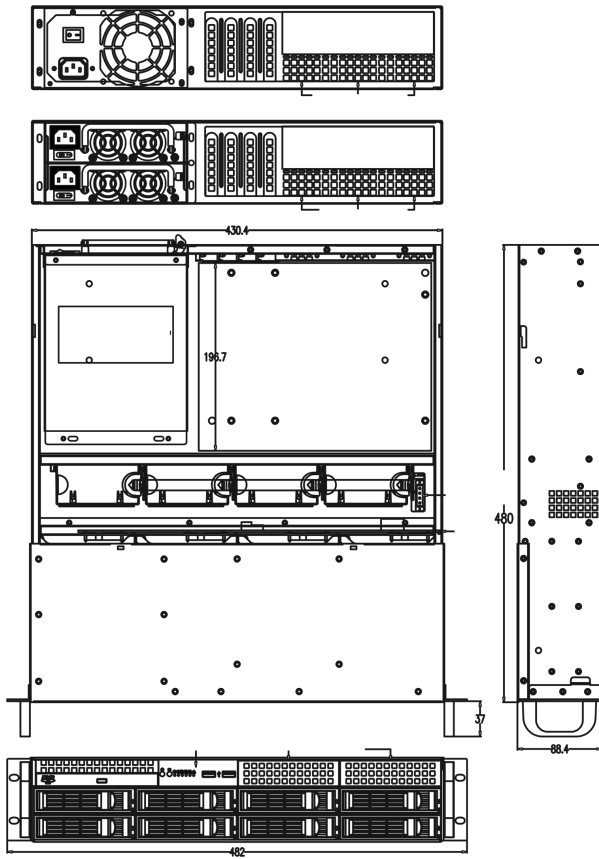
Model		EM-VMS256B8+	EM-VMS512B8+
Video Input	IP Camera	256CH	512CH
	Max. License	up to 512CH	up to 1024CH
CPU		intel i7(12Cores, up to 4.7GHz)	
RAM		DDR5 32GB	DDR5 64GB
SSD		mSATA SSD 120GB(OS, VMS)	
Display	Monitor output	2 x HDMI (4K60Hz)	
	Split screen	(1/2/4/6/7/9/10/13/16/25/36/49/64/81/100/128)	
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	

## 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

(mm)



## Certification

