Milesight

Milesight Video Surveillance Appliance

It is a Windows-based pre-loaded VMS server, which is tailored for mid-large surveillance projects, with 64ch and 128ch. With the latest embedded system, meets video transferring, event alarm, custom events and other advanced functions.

VE0404-S AI video server 64ch 700Mps HS
85219090

DATASHEET

Key Features

Accessibility	Support up to 128 video streams per server.
Flexible & Scalable Storage	Provide cost-effective storage: up to 12*20TB storage capacity.
High Data Availability	RAID 0/1/5/6/10/50/60 enables multiple data security protection.
Versatile Interfaces	A whole array of ports provides all necessary features of effective surveillance.
Easy Recovery Solution	Designed with a separate and redundant array of Solid State Drives for the operating system, with a built-in recovery partition to simplify the recovery process.
Service Guarantee	3-year, on-site, next business day, keep your appliance warranty.
Compatibility	Fully integrate with Milesight network cameras, sensors and 3rd party network cameras.
Green Energy Efficiency	Intelligent adjustment of the operating rate, ensures more efficient heat dissipation.

Lower Deployment Costs & Large-scale, Fine-grained management

- Pre-configured latest VMS system is free to install and configure in minutes.
- Device, Recording, Users & Roles, Event & Alarm management and other complex needs can be met by one system.
- With 12 SATA interfaces and up to 12*20TB storage capacity, meet long term storage needs.
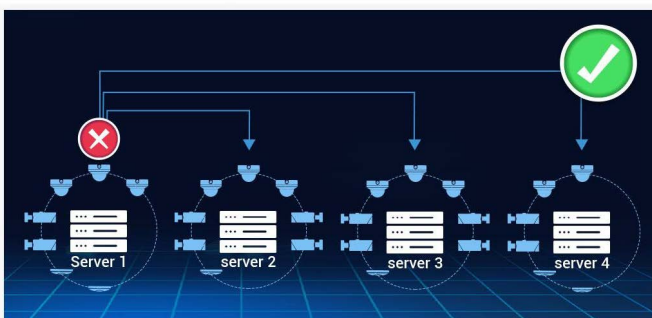
Reliability and Usability

- RAID-configured redundancy offers a highly available and resilient system that protects your data.
- N+M Failover ensures uninterrupted recording and boosting risk resistance.

Server 1   server 2   server 3   server 4

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		VE0404-S	VE1208-S
Devices	Included Cameras Access License	64	128
Recording	Recording Schedule	64	128
	Playback Rate (Multiple Connections)	Up to 700 Mbps	
	Recording Rate (Multiple Connections)	Up to 600 Mbps	
Event & Alarm	Event and Alarm Rules	1000	
Users & Roles	Concurrent Accesses via Clients, App Clients	100	
	Users	1000	
	Roles	100	
Local Viewing	Local Viewing	Not Supported	
System	Main Processor	1*Quad-Core Intel® Xeon® Processor	1*Octa-Core Intel® Xeon® Silver Processor
	Memory	8GB UDIMM 3200MT/s ECC parity. Extendable up to 128GB	16GB (1*16GB) UDIMM 3200MT/s ECC parity. Extendable up to 1TB
	Network Interface	1 GbE RJ-45 ports *2	
	RAID Support	Option 1: RAID 0/1/10 Option 2: RAID 0/1/5/6/10/50/60	RAID 0/1/5/6/10/50/60
	Operating System	Microsoft Windows 10 IoT Enterprise 64bit	
	Out-of-band Management	iDRAC 9 Enterprise	
Auxiliary Interface	HDD Drives (Video Data)	4*3.5" SAS or SATA hot-swappable	12*3.5" SAS or SATA hot-swappable
	SSD Drive (Operating System)	240GB*1 M.2 SSD	240GB*2 M.2 SSD, RAID1
	Capacity	Up to 20TB capacity for each disk	
	Recording Storage Capacity	Up to 80TB raw; 40TB effective(RAID 1)	Up to 240TB raw; 160TB effective(RAID 60)
	USB Interface	Front panel: 1*USB 2.0 Rear panel: 1*USB 2.0, 1*USB 3.0	Front panel: 1*USB 2.0 Rear panel: 1*USB 2.0, 1*USB 3.0
	Video Output	VGA*1	VGA*2
	GPU Options	Not Supported	Not Supported
	PCIe Support	1*8 Gen4 (x16 connector) low profile, half length 1*8 Gen4 (x8 connector) low profile, half length 1*4 Gen4 (x8 connector) for dedicated PERC only	3*16 Gen4 (x16 connector) full height, half length 1*4 Gen3 (x8 connector) full height, half length
General	Power Input	100 to 240 VAC, 50/60 Hz, auto-switching	
	Power Supply	Single 600W Mixed Mode	Dual 800W Mixed Mode
	Consumption	≤140 W (without HDD)	≤140 W (without HDD)
	Working Temperature	5°C to 45°C (41°F to 113°F);	
	Working Humidity	8% to 90% RH (no freezing and no condensation)	
	Chassis	1U rack server	2U rack server

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General	Dimension (W x D x H)	Height - 42.8mm(1.69 inches) Width - 482mm(18.97 inches) Depth - 585.3mm(23.04 inches) - without bezel 598.94mm(23.58 inches) - with bezel	Height - 86.8mm(3.41 inches) Width - 482mm(18.97 inches) Depth - 707.78mm(27.85 inches) - without bezel 721.62mm(28.4 inches) - with bezel
	Weight	Max13.14 kg (28.96 lbs.)	Max28.76 kg (63.40 lbs.)
	Warranty	3-year NBD (Next Business Day) with onsite parts delivery service.	3-year NBD (Next Business Day) with onsite parts delivery service.

V1.0

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Interfaces

VE0404-S

1. Left Control Panel
2. Drive
3. Information Tag
4. Right Control Panel

1. Serial Connector	6. CMA Jack
2. Ethernet Ports	7. USB3.2 Gen1 Port
3. BOSS Riser Slots	8. USB2.0 Port
4. Power Supply Unit	9. iDRAC Ethernet Port
5. System ID Button	10. VGA Port

VE1208-S

1. Left Control Panel
2. Drive
3. Information Tag
4. Right Control Panel
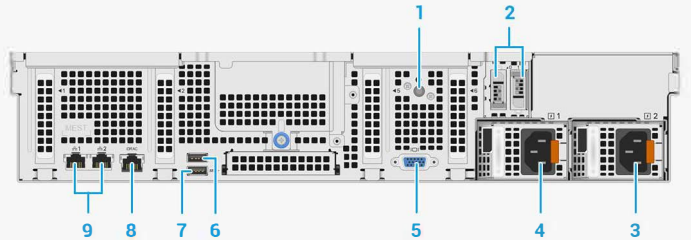
1. System ID Button	6. USB2.0 Port
2. BOSS Riser Slots	7. USB3.2 Gen1 Port
3. Power Supply Unit2	8. iDRAC Ethernet Port
4. Power Supply Unit1	9. Ethernet Ports
5. VGA Port	

Device Connection Topology

Single Server System

Switch

IPCs

VMS Video Surveillance Server

Switch

VMS Client

M-VMS Mobile

VMS Video Wall

Muti-Server System

IPCs

Switch

Server A
Server B
Server C

VMS Video Surveillance Server

Switch

VMS Client

M-VMS Mobile

VMS Video Wall