

2U 12-Bay and 24-Bay, Rackmount Expandable, Milestone Appliance for Accelerated Recording

2U 12 / 24-Bay Milestone Accelerated Video Recording Appliance

Benefit from scalable storage performance and video processing with the VSS-1800R server. This 2U, 2-socket platform brings you the scalability and performance to adapt to a variety of Milestone-based applications.

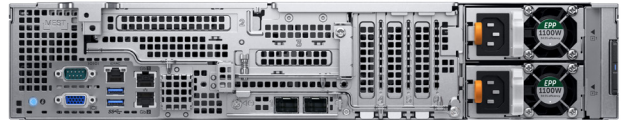
Equipped with the state-of-the-art VSS Storage Accelerator (SA), fully harness the capacity of VSS-1800R's 384TB of raw storage, without needing to utilize live video drives. With the VSS Storage Accelerator enabled, read/write speeds exceed that of (450) 15K SAS drives combined, ensuring disk bandwidth is never an issue. In addition, the SA's capacitor backup to non-volatile cache helps prevent data loss should a device lose power for added reliability.

Storage is provided by up to twenty four 24/7 duty cycle SATA drives. Paired with the latest Intel® Xeon® Scalable processors, this provides high-density storage for the most demanding applications.

VSS's Harmonize iDRAC plug-in integrates with Milestone Systems' XProtect® VMS and provides hardware events, notifications and alarms to be presented within the XProtect® VMS.

Ease of operation is provided with dual OS SSDs for accelerated boot and application load times. RAID 5/6 storage options and dual redundant 1100W power supplies provide system high availability while a five-year, on-site, next business day, Keep Your Hard Drive warranty guarantees your peace of mind.

VSS's exclusive Harmonize Bridge, powered by Tiger Technology, includes full data protection, backup and archive, and instant disaster recovery, while delivering cloud scale and services without any disruption to your workflows. The flexibility within the VSS-1800R allows for on-premise recording, cloud recording, or both simultaneously.



KEY FEATURES

- *Up to 170 Channels @ 987 Mbit/s, 1Gb NIC (12-Bay)
- *Up to 350 Channels @ 2033 Mbit/s, 10Gb NIC (12-Bay)
- *Up to 170 Channels @ 987 Mbit/s, 1Gb NIC (24-Bay)
- *Up to 450 Channels @ 2614 Mbit/s, 10Gb NIC (24-Bay)
- Up to 192TB of Raw Storage (12-Bay)
- Up to 384TB of Raw Storage (24-Bay)
- Intel® Xeon® Silver 4216 Scalable Processor
- Microsoft Windows Server 2019 Standard
- iDRAC features include:
 - Remote Management
 - Disaster Recovery
 - Critical Resource Monitoring
 - Harmonize iDRAC Plug-in
- Harmonize Bridge, Powered by Tiger Technology, to provide off-site Cloud storage

***Based upon these parameters: 1080p @ 30fps, approx. 5Mbps/channel, H.264 with 10096 VMD and Management/Recording server only.**



PCIe NVME & SATA Drives



5-Year, On-site, Next Business Day, Keep Your Hard Drive Warranty



Redundant Power



RAID Options: 0, 1, 5, 6, 10



VSS Storage Accelerator

FOR MORE INFORMATION

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TECH SUPPORT

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XProtect® is a registered trademark of Milestone Systems A/S.

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SYSTEM	
Processor(s)	Intel® Xeon® Silver 4216 (Up to 10 Cores, 20 Threads, 3.20GHz)
Processor Passmark	Intel® Xeon® Silver 4216: 18,561 Dual Intel® Xeon® Silver 4216: 22,272
Maximum Storage	Up to 192TB (12-Bay) / Up to 384TB (24-Bay)
Hard Drives Supported	PCIe NVMe & SATA
Memory	Single Processor: 16GB (2x 8GB) Dual Processor: 32GB (4x 8GB) Maximum Configuration: Up to 768GB RDIMM, 1.5TB LRDIMM, 192GB NVDIMM (24x DDR4 DIMM Slots)
Operating System	Microsoft Windows Server 2019 Standard
RAID	OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10
RAID Controller	PERC H740P (8GB NV Cache)
Storage Accelerator Features	IOPS: 135,000, Capacity: 1.6TB, Endurance: 8.76 Total PB Written, Response Time: 30µs
Networking	(2) 1GbE RJ45 Ports, (2) 10GbE SFP+ Ports
Expansion Slots	Single Processor Models : (1) x16 full-height, (1) x8 low-profile PCIe slots (in default configuration) Dual Processor Models: (1) x16 full-height, (2) x8 low-profile PCIe slots (in default configuration)
USB(s)	Rear (2) USB 3.0, Front (2) USB 2.0, Internal (1) USB 3.0
Video Outputs	(1) VGA
Remote Management	iDRAC Express
Manufacturer	Video Storage Solutions
System Warranty	5-Year, On-site, Next Business Day, Keep Your Hard Drive Warranty
MECHANICAL	
Form Factor	2U Rackmount
Rack Support	Sliding Rack Rail with Cable Management Arm
Hard Drive Bays	(12) 3.5" Hot Swappable Bays / (24) 3.5" Hot Swappable Bays & (2) M.2 SSD Slots for the OS
Power Supply(s)	(2) 1150W (100-240VAC) 80 Plus Platinum
Maximum Power Draw	604W
Operating Temperature	(Min) 50°F - (Max) 95°F [(Min) 10°C - (Max) 35°C]
Operating Humidity	5 ~ 90% (non-condensing)
Dimensions (WxDxH)	19" (482.6mm) x 28.15" (646mm) x 3.4" (86.8mm)
Max. Weight	65.43 lbs (29.68kg)



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