

2U 14-Bay Rackmount Video Recording Appliance Integrated with Milestone XProtect® and Storage Accelerator

Milestone Appliance for Accelerated Video Processing

Benefit from scalable storage performance and video processing with the VSS-MS-142-M appliance. This 2U, 2-socket platform brings you scalability and performance to adapt to a variety of Milestone-based applications.

Storage Accelerator

The VSS-MS-142-M comes equipped with a state-of-the-art Storage Accelerator, which allows you to fully utilize its 196TB of raw storage capacity without the need for live video drives. With the Storage Accelerator enabled, read/write speeds exceed that of four-hundred and fifty 15K SAS drives combined, ensuring disk bandwidth is never an issue. In addition, the Storage Accelerator's capacitor backup to non-volatile cache helps prevent data loss should a device lose power for added reliability.

System Reliability

Ease of operation is provided with dual Operating System SSDs for accelerated boot and application load times. Remote management, provided by iDRAC, allows for constant system status and critical resource monitoring. RAID 5/6 storage options, in addition to redundant 1100W power supplies, provide system high availability.

Keep Your Hard Drive

With Video Storage Solutions' Keep Your Hard Drive Warranty, your sensitive data and hard drive never leave your control. It also helps you comply with current data privacy regulations and internal company policies by ensuring sensitive information on your hard drive is not compromised, mitigating the risk of expensive civil litigation if confidential customer data or intellectual property were to be exposed.



Back - Dual Processor Models



Back - Single Processor Models

KEY FEATURES

- Up to 196TB of Raw Storage
- Intel® Xeon® Silver 4210 Scalable Processors
- Operating System: Windows 10 Pro, Windows Server 2016
- iDRAC features include:
 - Remote Management
 - Disaster Recovery
 - Critical Resource Monitoring



NVME, SATA & SAS



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



Redundant Power



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



Storage Accelerator

FOR MORE INFORMATION

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TECH SUPPORT

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VSS-MS-142-M

VSS-MS-142x-M

PERFORMANCE		
Bandwidth	Up to 600 Mbps	Up to 1200 Mbps
STORAGE ACCELERATOR FEATURES		
IOPS	135,000	135,000
Capacity	1.6TB	1.6TB
Response Time	30 μs	30 μs
Endurance	8.76 Total Petabytes Written	8.76 Total Petabytes Written
SYSTEM		
Processor(s)	Intel® Xeon® Silver 4210 (10 Cores, 20 Threads, 3.20GHz)	Dual Intel® Xeon® Silver 4210 (10 Cores, 20 Threads, 3.20GHz per processor)
Processor Passmark	Intel® Xeon® Silver 4210: 15,794	Dual Intel® Xeon® Silver 4210: 20,362
Maximum Storage	Up to 196TB	Up to 196TB
Hard Drives Supported	NVMe, SATA & SAS	NVMe, SATA & SAS
Operating System	Windows 10 Pro, Windows Server 2016	Windows 10 Pro, Windows Server 2016
Memory	Standard Configuration: 16GB (2x 8GB) Maximum Configuration: Up to 384GB RDIMM, 768GB LRDIMM (12x DDR4 DIMM Slots)	Standard Configuration: 32GB (4x 8GB) Maximum Configuration: Up to 768GB RDIMM, 1.5TB LRDIMM (24x DDR4 DIMM Slots)
RAID	OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10	OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10
RAID Controller	PERC H740P (8GB NV Cache)	PERC H740P (8GB NV Cache)
Networking	(4) 1GbE RJ45 Ports	(4) 1GbE RJ45 Ports, (2) 10GbE SFP+ ports
Expansion Slots	(2) Full-height PCIe x16 slot, (1) Low-profile x8 slots (In default configuration)	(2) Full-height PCIe x16 slots (In default configuration)
USB(s)	Rear (2) USB 3.0, Front (2) USB 2.0	Rear (2) USB 3.0, Front (2) USB 2.0
Video Outputs	(1) VGA	(1) VGA
Remote Management	iDRAC Basic	iDRAC Basic
Manufacturer	Video Storage Solutions	Video Storage Solutions
System Warranty	5-Year, On-site, Next Business Day, Keep Your Hard Drive Warranty	
MECHANICAL		
Form Factor	2U Rackmount	2U Rackmount
Rack Support	Sliding Rack Rail with Cable Management Arm	Sliding Rack Rail with Cable Management Arm
Hard Drive Bays	(14) 3.5" Hot Swappable Bays & (2) M.2 SSD Slots	(14) 3.5" Hot Swappable Bays & (2) M.2 SSD Slots
Power Supply(s)	(2) 1100W (100-240VAC) 80 Plus Platinum	(2) 1100W (100-240VAC) 80 Plus Platinum
Maximum Power Draw	700W	820W
Operating Temperature	(Min) 50°F - (Max) 95° F [(Min) 10°C - (Max) 35° C]	(Min) 50°F - (Max) 95° F [(Min) 10°C - (Max) 35° C]
Operating Humidity	5 ~ 90% (non-condensing)	5 ~ 90% (non-condensing)
Dimensions (WxDxH)	19" (482.6mm) x 29.7" (755mm) x 3.4" (86.8mm)	19" (482.6mm) x 29.7" (755mm) x 3.4" (86.8mm)
Max. Weight	73 lbs. (33.1kg)	73 lbs. (33.1kg)

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