

## 1U 4-Bay Rackmount, VSS Video Accelerated Milestone Appliance

### 1U 4-Bay Milestone Appliance for Accelerated Video Processing

Benefit from scalable storage performance and video processing with the VSS-700R server. This 1U, single 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 Video Accelerator, fully harness the capacity of the VSS-700R's 64TB of raw storage, without needing to utilize live video drives. With the VSS Video 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 Video Accelerator'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 four 24/7 duty cycle SATA drives. Paired with the latest Intel® Xeon® Scalable processor, this provides high-density storage for XProtect® throughput 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 350W 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-700R allows for on-premise recording, cloud recording, or both simultaneously.



### KEY FEATURES

- \*100 Channels
- Up to 720 Mbp/s Recording Rate
- Up to 64TB of Raw Storage
- Intel® Xeon® E-Series Processor
- Microsoft Windows 10 IoT Enterprise
- 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

support@videoappliances.com

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SYSTEM	
Processor(s)	(1) Intel® Xeon® E-2236 (6 Cores, 12 Threads, 3.40GHz)
Processor Passmark	Intel® Xeon® E-2236: 14,333
Maximum Storage	Up to 64TB
Hard Drives Supported	PCIe NVMe & SATA
Memory	16GB (2x 8GB) Maximum Configuration: Up to 64GB (4x DDR4 DIMM Slots)
Operating System	Microsoft Windows 10 IoT Enterprise
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
Expansion Slots	(1) PCIe x16 full height slot (in default configuration)
USB(s)	Rear (2) USB 3.0, Front (1) USB 2.0
Video Outputs	(1) VGA
Manufacturer	Video Storage Solutions
System Warranty	5-Year, On-site, Next Business Day, Keep Your Hard Drive Warranty
MECHANICAL	
Form Factor	1U Rackmount
Rack Support	Sliding Rack Rail with Cable Management Arm
Hard Drive Bays	(4) 3.5" Hot Swappable Bays & (2) M.2 SSD Slots for the OS
Power Supply(s)	(2) 350W (100-240VAC) 80 Plus Platinum
Maximum Power Draw	310W
Operating Temperature	(Min) 50°F - (Max) 95°F [(Min) 10°C - (Max) 35° C]
Operating Humidity	10 ~ 80% (non-condensing)
Dimensions (WxDxH)	17.08" (434mm) x 22.58" (573.6mm) x 1.68" (42.8mm)
Max. Weight	29.98 lbs (13.6kg)



**FOR MORE INFORMATION**

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**TECH SUPPORT**

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