

### Enterprise, Accelerated Equipped Storage Dense Milestone Appliance

Provide scalable storage performance and video data processing with the BCD218-MVR-E server. This 2U, 2-socket platform brings you scalability and performance to adapt to a variety of the most demanding and process intensive Milestone XProtect-based applications.

Equipped with the state-of-the-art BCDVideo Accelerator (BVA), fully utilize the capacity of the BCD218-MVR-E's 216TB raw storage, without needing to utilize live video drives. With the BVA enabled, read/write speeds exceed that of 450 15K SAS drives combined, ensuring disk bandwidth is never an issue. In addition, the BVA's capacitor backup to non-volatile cache helps prevent data loss should a device lose power for added reliability.

Up to (2) Intel® Xeon® Silver 4116 Scalable processors provide unrivaled throughput and computing potential. (24) DDR4 DIMM slots allow for maximum memory bandwidth utilization with support for six-channel memory architecture.

Dual M.2 SSDs for the operating system and application accelerated load times. System reliability and high availability is guaranteed with redundant 1100W power supplies and RAID 5/6 storage options, while a five-year, on-site, next business day, Keep Your Hard Drive warranty ensures peace of mind.

### KEY FEATURES

- Up to 216TB of Raw Storage
- Intel® Xeon® Silver 4116 Scalable Processors
- Operating System: Windows Server 2016
- iDRAC features include:
  - Remote Management
  - Disaster Recovery
  - Critical Resource Monitoring



**BCDVideo Accelerator (Patent Pending)**



**SSD, SAS & SATA Drives**



**Redundant Power**



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



**5-Year, On-site, NBD,  
Keep Your Hard Drive Warranty**



Back - Dual Processor Models

**FOR MORE INFORMATION:** [bcdvideo.com](http://bcdvideo.com) | [sales@bcdvideo.com](mailto:sales@bcdvideo.com) | +1.847.205.1922 **TECH SUPPORT:** [support@bcdvideo.com](mailto:support@bcdvideo.com) | +1.844.462.2384

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## Data Sheet

Enterprise 2U 18-Bay Rackmount  
Milestone Appliance

CERTIFIED | PURPOSE BUILT | GUARANTEED

BCDVIDEO ACCELERATOR FEATURES	
<b>IOPS</b>	135,000
<b>Capacity</b>	1.6TB
<b>Response Time</b>	30 µs
<b>Endurance</b>	8.76 Total Petabytes Written
SYSTEM	
<b>Processor(s)</b>	Up to (2) Intel® Xeon® Silver 4116 Scalable Processors (12 Cores, 24 Threads, 3.00GHz)
<b>Processor Passmark</b>	Intel® Xeon® Silver 4116: 15,320 Dual Intel® Xeon® Silver 4116: 20,362
<b>Maximum Storage</b>	Up to 216TB
<b>Operating System</b>	Windows Server 2016
<b>Memory</b>	Single Processor: 16GB (2x 8GB) Dual Processors: 32GB (4x 8GB) Maximum Configuration: Up to 1.5TB LRDIMM, 192GB NVDIMM (24x DDR4 DIMM Slots)
<b>RAID</b>	OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10
<b>RAID Controller</b>	PERC H740P (8GB NV Cache, Supports RAID 0, 1, 5, 6, 10)
<b>Networking</b>	Single Processor Models: (4) 1GbE RJ45 Ports Dual Processor Models: (4) 1GbE RJ45 Ports, (2) 10GbE SFP+ ports
<b>Expansion Slots</b>	Single Processor: (1) Full-height PCIe x8, (1) Low-profile x8 slots (In default configuration) Dual Processors: (1) Full-height PCIe x8 slots (In default configuration)
<b>USB(s)</b>	Rear (2) USB 3.0, Front (2) USB 2.0, Internal (1) USB 3.0
<b>Video Outputs</b>	(1) VGA
<b>Remote Management</b>	iDRAC Express
<b>Manufacturer</b>	BCDVideo
<b>Warranty</b>	5-Year, On-site, NBD, Keep Your Hard Drive Warranty
MECHANICAL	
<b>Form Factor</b>	2U Rackmount
<b>Rack Support</b>	Sliding Rack Rail with Cable Management Arm
<b>Hard Drive Bays</b>	(18) 3.5" Hot Swappable Bays & (2) M.2 SSD Slots
<b>Hard Drives Supported</b>	PCIe NVMe, SAS & SATA
<b>Power Supply(s)</b>	(2) 1100W (100-240VAC) 80 Plus Platinum
<b>Maximum Power Draw</b>	860W
<b>Operating Temperature</b>	(Min) 50°F - (Max) 95°F [(Min) 10°C - (Max) 35°C]
<b>Operating Humidity</b>	5 ~ 90% (non-condensing)
<b>Dimensions (WxDxH)</b>	19" (482.6mm) x 29.7" (755mm) x 3.4" (86.8mm)
<b>Max. Weight</b>	73 lbs. (33.1kg)



Back - Single Processor Models

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