

# BCD-1800R

## BCDVideo 2U 12-Bay and 24-Bay Rackmount, Expandable BVA-Accelerated Milestone Appliance

### MILESTONE APPLIANCE FOR ACCELERATED VIDEO PROCESSING











Benefit from scalable storage performance and video processing with the BCD-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 BCDVideo Accelerator (BVA), fully harness the capacity of the BCD-1800R's 384TB raw storage, without needing to utilize live video drives. With the BVA 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 BVA'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 XProtect® throughput for the most demanding applications.

BCD'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.

BCD'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 BCD-1800R allows for on-premise recording, cloud recording, or both simultaneously.

### KEY FEATURES

- 
  - Up to 170 channels at 987 Mbit/s, 1Gb NIC (12-Bay)\*
  - Up to 350 channels at 2033 Mbit/s, 10Gb NIC (12-Bay)\*
  - Up to 170 channels at 987 Mbit/s, 1Gb NIC (24-Bay)\*
  - Up to 450 channels at 2614Mbit/s, 10Gb NIC (24-Bay)\*
- 
  - Up to 192TB of Raw Storage (12-Bay)
  - Up to 384TB of Raw Storage (24-Bay)
- 
  - Intel® Xeon® Silver Processors
- 
  - Microsoft Windows Server 2019 Standard
- 
  - iDRAC Remote Management, Monitoring and Recovery
- 
  - SSD & SATA Drives
- 
  - Redundant Power
- 
  - RAID Options: 0, 1, 5, 6, 10
- 
  - 5-Year Keep Your Hard Drive Warranty
- 
  - BCDVideo Accelerator

*\*Based upon these parameters: 1080p @ 30fps, approx. 5Mbps/channel, H.264 with 100% VMD and Management/Recording server only.*



FOR MORE INFORMATION: [bcdvideo.com](http://bcdvideo.com) | [sales@bcdinc.com](mailto:sales@bcdinc.com) | +1.888.305.4993

TECH SUPPORT: [support@bcdinc.com](mailto:support@bcdinc.com)

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# BCD-1800R

## BCDVideo 2U 12-Bay and 24-Bay Rackmount, Expandable BVA-Accelerated Milestone Appliance

### SYSTEM

#### Operating System

Microsoft Windows Server 2019 Standard

#### Memory

Single Processor: 16GB (2x 8GB)  
Dual Processors: 32GB (4x 8GB)  
Maximum Configuration: Up to 768GB  
RDIMM, 1.5TB LRDIMM, 192GB NVDIMM  
(24x DDR4 DIMM Slots)

#### Processor(s)

Up to (2) Intel® Xeon® Silver Scalable Processors (Up to 16 Cores, 32 Threads, 3.20GHz per processor)

#### Processor Passmark

Intel® Xeon® Silver 4216: 18,561  
Dual Intel® Xeon® Silver 4216: 22,272

#### 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

#### Video Outputs

(1) VGA

#### Remote Management

iDRAC Express

### MECHANICAL

#### Form Factor

2U Rackmount

#### Power Supply(s)

(2) 1100W (100-240VAC) 80 Plus Platinum

#### Operating Temperature

(Min) 50°F - (Max) 95° F [(Min) 10°C - (Max) 35° C]

#### Operating Humidity

5 ~ 90% (non-condensing)

#### Heat Dissipation

3001 Max BTU/hr

#### Dimensions (WxDxH)

17.1" x 28.15" x 3.4" (434mm x 646mm x 86.8mm)

#### Max. Weight

65.43 lbs. (29.68kg)

#### Warranty

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

#### Manufacturer

BCD

### STORAGE

#### Hard Drive Bays

(12) 3.5" Hot Swappable Bays  
(24) 3.5" Hot Swappable Bays  
(2) M.2 SSD Slots (OS)

#### Hard Drives Supported

PCIe NVMe, SATA

#### RAID

OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10

#### RAID Controller

PERC H740P (8GB NV Cache)

#### Maximum Storage

Up to 192TB (12-bay)  
Up to 384TB (24-bay)

#### BCDVideo Accelerator Features

IOPS: 135,000  
Capacity: 1.6TB  
Endurance: 8.76 Total PB Written  
Response Time: 30µs



intel

SEAGATE



harmonize Bridge  
POWERED BY TIGER TECHNOLOGY  
Inside

harmonize  
iDRAC PLUG-IN INSIDE

FOR MORE INFORMATION: [bcdvideo.com](http://bcdvideo.com) | [sales@bcdinc.com](mailto:sales@bcdinc.com) | +1.888.305.4993

TECH SUPPORT: [support@bcdinc.com](mailto:support@bcdinc.com)

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