

BCD-700R

BCDVideo 1U 4-Bay Rackmount, BVA-Accelerated Milestone Appliance

MILESTONE APPLIANCE FOR ACCELERATED VIDEO PROCESSING












Benefit from scalable storage performance and video processing with the BCD-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 BCDVideo Accelerator (BVA), fully harness the capacity of the BCD-700R's 64TB 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 four 24/7 duty cycle SATA drives. Paired with the latest Intel® Xeon® E-Series processor, 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 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.

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-700R allows for on-premise recording, cloud recording, or both simultaneously.

KEY FEATURES

-  Up to 100 channels*
-  Up to 720 Mbit/s recording rate
-  Up to 64TB of Raw Storage
-  Intel® Xeon® E-Series Processor
-  Microsoft Windows 10 IoT Enterprise
-  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 10096 VMD and Management/Recording server only.*

FOR MORE INFORMATION: bcdvideo.com | sales@bcdinc.com | +1.888.305.4993

TECH SUPPORT: support@bcdinc.com

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SYSTEM

Operating System

Microsoft Windows 10 IoT Enterprise

Memory

16GB (2x 8GB) Maximum Configuration:
Up to 64GB RAM (4x DDR4 DIMM Slots)

Processor(s)

Intel® Xeon® E-2236
(6 cores, 12 threads @ 3.40GHz)

Processor Passmark

Intel® Xeon® E-2236: 14,333

Networking

(2) 1GbE RJ45 Ports

USB(s)

Rear (2) USB 3.0, Front (1) USB 2.0

Video Outputs

(1) VGA

Expansion Slots

(1) PCIe x16 full height slot
(in default configuration)

Remote Management

iDRAC Express

MECHANICAL

Form Factor

1U Rackmount

Power Supply(s)

(2) 350W (100-240VAC) 80 Plus Platinum

Operating Temperature

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

Operating Humidity

10 ~ 80% (non-condensing)

Heat Dissipation

955 Max BTU/hr

Dimensions (WxDxH)

17.08" x 22.58" x 1.68" (434mm x 573.6mm x 42.8mm)

Max. Weight

29.98 lbs. (13.6 kg)

Warranty

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

Manufacturer

BCD



STORAGE

Hard Drive Bays

(4) 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 64TB

BCDVideo Accelerator

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

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TECH SUPPORT: support@bcdinc.com

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