BCD480-NAS

BCDVideo 4U 80-Bay Rackmount Scale-Out Network Attached Storage

HIGH-DENSITY ARCHIVE, SCALE-OUT, NETWORK ATTACHED STORAGE BUILT AND CERTIFIED FOR VIDEO SURVEILLANCE

With data storage requirements in the IP video market growing rapidly, and storage requirements potentially doubling every 2 to 3 years, maintaining data integrity is imperative. 80% of this new data is file-based, unstructured data. The BCD480-NAS is an ideal solution for high density, deep archive storage that safeguards data efficiently and effectively for long-term retention.

The BCD480-NAS uses an innovative modular architecture to provide an efficient and adaptable scale-out storage platform to store, manage and protect massive amounts of data, while significantly reducing cost and complexity

• Capacity: Store up to 1. PB per 4U chassis and scales to over 980PB in a single cluster, with each 4U chassis housing 4 nodes.

• Efficiency: Scale-out storage enables up to 80 percent storage utilization compared to 50 percent for traditional platforms.

• Simplicity: The BCD480-NAS can be configured and installed in less than 10 minutes.

• Data protection: Storage is highly resilient with N+1 through N+4 redundancy.

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• Security: This offers a broad range of robust security options including FIPS 140-2 level 2 self-encrypting drives, role-based access control, secure access zones, SEC 17a-4 compliant WORM data immutability and integrated file system auditing support.



KEY FEATURES

- 20 Harmonize RMM Licenses
- Up to 1.28PB raw storage per 4U Chassis
- Scales out to 60.4PB usable storage per cluster
- Scale-Out NAS Storage
- No single point of failure
- 16TB SATA Drives
- Five-Year, On-Site, NBD, Keep Your Hard Drive Warranty

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

TECH SUPPORT: support@bcdinc.com

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SYSTEM

Cache (per node) SSD

(800GB, 3.2TB, 7.68TB) Capacity and number of SDDs (1 or 2) determined by HDD size and count

BCD104-EVS R1.0

ECC Memory per Node

GB 96

Host Connectivity (Front-End)

2 x 25GbE (SFP28) or 2 x 100 GbE (QSFP28)

Infrastructure Networking

2 X 25GbE (SFP28) or 2 X 100 GbE (QSFP28) or 2 InfiniBand connections with EDR links

Operating Systems Supported

OneFS 9.11.0.0 or later. Upgrades are non-disruptive

Processor(s)

Intel 3408U (1.8GHz, 8C)

Self-Encrypting Drives

Available

MECHANICAL

Dimensions (WxDxH)

Height: 7” (17.8 cm) x Width: 17.6” (44.8 cm) x Depth: (front NEMA rail to rear 2.5” SSD cover ejector): 40.4” (102.6 cm) or Depth: (front of bezel to rear 2.5” SSD cover ejector): 42.2” (107.1 cm)

Form Factor

4U Rackmount

Manufacturer

BCD

Max. Weight

305 lbs. (138.3 kg)

Operating Environment

Compliant with ASHRAE A3 data center environment guidelines

Power Supply(s)

(4) 1100W (180-264 VAC)

Regulatory

IEC 60950-1

European Norm EN 60950-1

CISPR 22/CISPR 24

EN55022/55024

Warranty

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

STORAGE

Data Protection

FlexProtect file-level striping

Hard Drive Bays

(80) 3.5” Hard Drive Bays

Hard Drives Supported

Up to TB 24

Maximum Storage

Up to 1.9PB

Number of Chassis (Per Cluster)

1- 63

Number of Nodes

4-252 (up to 4 per chassis)

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