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.

• 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.

• 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

Copyright © 2026, BCD. All rights reserved. This document is provided for information purposes only. Intel, the Intel logo, the Intel Inside logo and Xeon are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

BCD480-NAS

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

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)

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

TECH SUPPORT: support@bcdinc.com

Copyright © 2026, BCD. All rights reserved. This document is provided for information purposes only. Intel, the Intel logo, the Intel Inside logo and Xeon are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.