# 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 1.28PB per 4U chassis and scales to over 80PB 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.

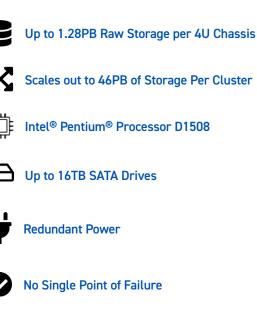
• Data protection: Storage is highly resilient with N+1 through N+4 redundancy.

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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**





5-Year Keep Your Hard Drive Warranty





FOR MORE INFORMATION: <u>bcdvideo.com</u> | <u>sales@bcdinc.com</u> | +1.888.305.4993 TECH SUPPORT: <u>support@bcdinc.com</u>

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# **BCD480-NAS**

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#### SYSTEM

**Operating Systems Supported** OneFS 9.1.x

ECC Memory per Node 64GB

Processor(s) Up to (1) Intel® Pentium® Processor D1508 Dual Core

Host Connectivity (Front-End) (2) 10GbE SFP+ Ports

Infrastructure Networking (2) 10GbE SFP+ Ports

Self-Encrypting Hard Drives Available

Cache (per node) SSD Up to (2) 400GB SSDs with 10TB HDD's Up to (2) 800GB SSD's with 12TB+ HDD's

Self-Encrypting Solid State Hard Drives Available

### MECHANICAL

Form Factor 4U Rackmount

**Power Supply(s)** (4) 1100W (180-264 VAC)

Operating Temperature (Min) 68°F - (Max) 72° F [(Min) 20°C - (Max) 22°C]

**Operating Humidity** 40 ~ 55% (non-condensing)

Heat Dissipation 3001 Max BTU/hr

Dimensions (WxDxH) 17.6" (448mm) x 40.4" (1026mm) includes bezel x 7.0" (178mm)

Max. Weight 285 lbs. (129.3 kg)

#### 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

Manufacturer BCD

### STORAGE

Hard Drive Bays (80) 3.5" Hard Drive Bays

Hard Drives Supported Up to 16TB SATA

Number of Nodes 4-144 (up to 4 per chassis)

Number of Chassis (Per Cluster) 1-36

Data Protection Erasure Coding (Reed Solomon)

Maximum Storage Up to 1.34PB

Max Capacity (Based on 16TB HDD's) Per Chassis: 1.28PB Per Cluster (63 Chassis): 80PB

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TECH SUPPORT: <a href="mailto:support@bcdinc.com">support@bcdinc.com</a>

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