

# 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

-  Up to 1.28PB Raw Storage per 4U Chassis
-  Scales out to 46PB of Storage Per Cluster
-  Intel® Pentium® Processor D1508
-  Up to 16TB SATA Drives
-  Redundant Power
-  No Single Point of Failure
-  5-Year Keep Your Hard Drive Warranty



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

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# BCD480-NAS

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

### 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