

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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- 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

-  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
-  20 Harmonize RMM Licenses



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

TECH SUPPORT: support@bcdinc.com

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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