

BCD480-NAS

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 filebased, 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 800TB per 4U chassis and scales to over 28PB 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.
- 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 800TB Raw Storage per 4U Chassis

 595TB Usable Storage

 Scales out to 28PB of storage

 Intel® Pentium® Processor D1508

 12TB SATA Drives

 Redundant Power

 No Single Point of Failure

 5-Year Keep Your Hard Drive Warranty

FOR MORE INFORMATION: bcdvideo.com | sales@bcdvideo.com | +1.847.205.1922
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BCD480-NAS

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

STORAGE

Hard Drive Bays

(80) 3.5" Hard Drive Bays

Hard Drives Supported

12TB SATA

Number of Nodes

4-144

Number of Chassis

1-36

Cluster Capacity

500PB

Self-Encrypting Hard Drives

Available

Cache (per node) SSD

Up to (2) 400GB SSDs

Self-Encrypting Solid State Drives

Available

Maximum Storage

800TB raw, 595TB usable
per 4U Node

MECHANICAL

Form Factor

1U Rackmount

Total Rack Units

4 - 144

Power Supply(s)

(4) 1100W (180-264 VAC)

Maximum Power Draw

310W

Operating Temperature

(Min) 50°F - (Max) 104° F [(Min) 10°C - (Max) 35° C]

Operating Humidity

5 ~ 90% (non-condensing)

Dimensions (WxDxH)

17.6"(448mm) x 42.2" (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

BCDVideo

SYSTEM

Operating Systems Supported

OneFS 8.1, SED SSD use OneFS 8.1.0.1

Number of Nodes (per chassis)

4

ECC Memory per Node

16GB

Processor(s)

Up to (1) Intel® Pentium® Processor
D1508 Product Family

Front-End Networking

(2) 10GbE SFP+ Ports

Infrastructure Networking

(2) 10GbE SFP+ Ports