

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-AS is an ideal solution for high density, deep archive storage that safeguards data efficiently and effectively for long-term retention.

Powered by the OneFS operating system, the BCD480-AS 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-AS 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



Enterprise Video Storage for projects with the best throughput performance.

- Intel® Pentium® Processor D1508
- Up to 800TB of Raw Storage per 4U chassis
- Scales out to 28PB of storage
- Operating System:
 - One FS 8.1



High Capacity SAS Drives



No Single Point of Failure



Video Surveillance Certified Storage



Redundant Power



Zero Downtime During Expansion



Five-Year Onsite Warranty
***Keep Your Hard Drive**

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DELL EMC

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Data Sheet

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

CERTIFIED | PURPOSE BUILT | GUARANTEED

SYSTEM	
Processor(s)	Up to (1) Intel® Pentium® Processor D1508 Product Family
Operating Systems Supported	OneFS 8.1, SED SSD use OneFS 8.1.0.1
Manufacturer	BCDVideo
Number of Nodes (per chassis)	4
ECC Memory per Node	16GB
Maximum Storage	800TB per 4U chassis
Self-Encrypting Hard Drives	Available
Cache (per node) SSD	Up to (2) 400GB SSDs
Self-Encrypting Solid State Drives	Available
Front-End Networking	(2) 10GbE SFP+ Ports
Infrastructure Networking	(2) InfiniBand Connections supporting QDR Links OR (2) 10GbE SFP+ Ports
Warranty	Global 5-Year 24/7 Support, NBD On-Site, Keep Your Hard Drive
MECHANICAL	
Form Factor	4U Rackmount
Total Rack Units	4 - 144
Hard Drive Bays	(80) 3.5" Hard Drive Bays
Hard Drives Supported	High Capacity SAS
Number of Chassis	1 - 36
Number of Nodes	4 - 144
Cluster Capacity	800TB - 28.8 PB
Power Supply(s)	(2) 1050W (90-130 VAC) and (2) 1100W (180-264 VAC)
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

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