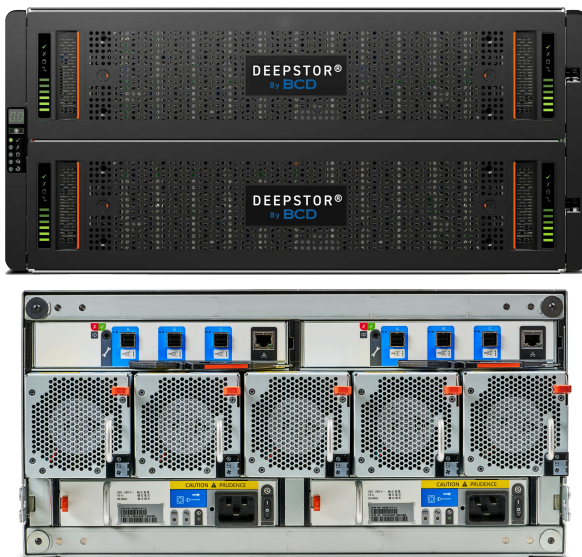**BCD**

BCD584S-SAN

Enterprise 5U 84-Bay SAN Storage Series

ENTERPRISE 5U 84-BAY HIGH DENSITY SAN STORAGE FOR CRITICAL VIDEO DATA

The BCD 5U 84 Bay SAN storage array is the security integrator's answer for high scaling video data requirements. The BCD584S-SAN offers maximum read/write performance by optimizing enterprise 12G dual-port SAS drives. Storage options provide up to 1.68PB of raw storage in a single unit, with up to 4 5U expansion units providing a maximum of 6.72PB of raw storage. Flexibility of deployment and data throughput is provided by employing either 32Gb fibre channel or 25Gb iSCSI connectivity. High availability features include a wide variety of RAID storage options, hot swappable, redundant power supplies and fans, hot swappable drives and RAID controllers, automatic failover, and multi-path support.

This system is covered by BCD's standard 5-year, on-site, next business day, Keep Your Hard Drive warranty. With the combination of high throughput and the latest enterprise storage technology, this SAN storage array is ideal for effectively storing and archiving video data.

KEY FEATURES

Up to 1.68PB of Raw Storage

Enterprise SAS Drives

RAID Options: ADAPT, RAID 0, 1, 5, 6, 10

Redundant Power

5-Year Keep Your Hard Drive Warranty

BCD

BCD584S-SAN

Enterprise 5U 84-Bay SAN Storage Series

SYSTEM

Operating Systems Supported

Windows Server 2016, 2019 and 2022,
VMware 6.7
U2/6.5/6.0, Microsoft Hyper-V, SLES 12.3,
RHEL 8.0/7.4/6.9

Virtualization

VMware vSphere & vCenter SRM,
Microsoft Hyper-V

Volumes per System

1,024

Memory

16GB (8GB per Controller)

Connectivity

Up to 32Gb Fibre Channel, Up to 25Gb
iSCSI

Ports

Head End: (8) Fibre Channel or (8) SFP+,
(8) Multi-protocol, and (3) 12Gb mini-SAS
Expansion: (4) Fibre Channel or (4) SFP+,
(4) Multi-protocol

Expansion Chassis Supported

Up to 9 2U Expansions per 2U Head End
Up to 3 5U Expansions per 2U Head End
Up to 3 5U Expansions per 5U Head End

Management

MESM (HTML5 GUI, CLI, REST)

MECHANICAL

Form Factor

5U Rackmount

Power Supply(s)

(2) 2200W (200-240VAC)
*Note: There is no option for a 110VAC version

Operating Temperature

(Min) 41°F - (Max) 95° F [(Min) 5°C - (Max) 35° C]

Operating Humidity

–12°C DP and 10% RH to 21°C DP and 80%RH,
max DP 21°C / 5% to 100% noncondensing

Heat Dissipation

7507 Max BTU/hr

Dimensions (WxDxH)

19" (483mm) x 36.75" (933mm) x 8.65" (220mm)

Max. Weight

298 lbs. (135 kg)

Warranty

5-Year, On-site, NBD, Keep Your Hard
Drive Warranty

STORAGE

Hard Drive Bays

(84) 3.5" Bays

Hard Drives Supported

SAS

Cache

Mirrored Cache, Supercapacitor cache
backup, nonvolatile cache backup to flash

RAID

ADAPT (Distributed RAID); RAID 0, 1, 5, 6, 10

RAID Controllers

Dual RAID Controllers

Maximum Storage

Up to 1.68PB

Regulatory

UL 60950-1 (United States), CAN/CSA-C22.2
No.60950-1-07 (Canada), EN 60950-1
(European Union), IEC 60950-1 (International),
CCC (China PRC – CCC Power Supplies), BIS
(India – BIS Power Supplies) FCC CFR 47 Part
15 Subpart B Class A (United States), ICES/
NMB-003 Class A (Canada), EN 55022/EN
55032:2012 Class A (EU), AS/NZS CISPR 22/
CISPR 32 Class A
(Australia/New Zealand), VCCI Class A (Japan),
KN 22/KN 32 Class A (S. Korea), CNS 13438
Class A (Taiwan) EN 61000-3-2 (EU) EN
61000-3-3 (EU) EN 55024 (EU), KN 24/ KN
35 (S. Korea) The RoHS Directive (2011/65/
EU), The WEEE Directive (2012/19/EU), The
REACH Directive (EC/1907/2006),The Batteries
Directive
(2006/66/EC) Australia/New Zealand (RCM),
Canada (cUL/ICES/NMB-003 Class A), China
(CCC – PSU only), European Union (CE), Japan
(VCCI),
South Korea (MSIP), Taiwan (BSMI),
United States (FCC/UL)