

BCD584X-SAN

Enterprise 5U 84-Bay SAN Storage Series

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







The BCDVideo 5U 84 Bay SAN storage array is the security integrator's answer for high scaling video data requirements. The BCD584X-SAN offers maximum read/write performance by optimizing enterprise 12G dual-port SAS drives. Storage options provide up to 1PB of raw storage in a single unit, with up to 3 5U expansion units providing a maximum of 4PB of raw storage.

Flexibility of deployment and data throughput is provided by employing either 16Gb fibre channel or 10Gb 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 BCDVideo'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 1PB of Raw Storage
-  Intel Broadwell Processor
-  Enterprise SAS Drives
-  RAID Options: ADAPT, RAID 0, 1, 5, 6, 10
-  Redundant Power
-  5-Year Keep Your Hard Drive Warranty

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SYSTEM

Operating Systems Supported

Windows Server 2016, VMware 6.5/6.0, Microsoft Hyper-V, RHEL 6.9/7.4

Virtualization

VMware vSphere & vCenter SRM, Microsoft Hyper-V

Volumes per System

1,024

Memory

16GB (8GB per Controller)

Processor(s)

Intel® Xeon® Broadwell Processor

Connectivity

16Gb Fibre Channel, 10Gb iSCSI

Ports

(4) Fibre Channel or (4) SFP+ (4) Multi-protocol

Expansion Chassis Supported

Up to (9) 2U expansion chassis per base 5U SAN array (Scales up to 3.1PB Raw)

Up to (3) 5U expansion chassis per base 5U SAN array (Scales up to 3.1PB Raw)

Management

MESM (HTML5 GUI, CLI, REST)

MECHANICAL

Form Factor

5U Rackmount

Power Supply(s)

(2) 2200W (200-240VAC)

Operating Temperature

(Min) 41°F - (Max) 104° F [(Min) 5°C - (Max) 40° C]

Operating Humidity

10 ~ 80% @ 84.2°F (non-condensing)

Dimensions (WxDxH)

19"(482.6mm) x 35.12" (892.2mm) x 8.75" (222.3mm)

Max. Weight

298 lbs. (135 kg)

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)

Warranty

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

Manufacturer

BCDVideo

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, 50

RAID Controllers

Dual RAID Controllers

Maximum Storage

Up to 1PB