


BOSCH

Invented for life

DVSA Lite Series Digital Video Storage Array



- ▶ Preconfigured RAID 5 protection with up to 3.5 Terabytes of video storage (DVA-08E-08050RA) or 7 Terabytes (DVA-08E-08100RA)
- ▶ Eight bays for hot swappable 3 Gbps SATA hard disk drives
- ▶ DVSA Management using Bosch RAIDWatch GUI
- ▶ Single SCSI U-320 interface, no loop-through
- ▶ Modular design for simple service
- ▶ Hot swappable dual speed fan to reduce system noise
- ▶ High density 2 HU 19 in. rack mount chassis

The Bosch Digital Video Storage Array (DVSA) Lite series is built for the security industries most demanding digital video storage applications, providing high capacity, unlimited flexibility and unmatched reliability.

The 8 SATA-II drive channels are routed through the backplane board to the lockable drive trays installed via the front of the Bosch DVSA. The completely cableless, backplane-based design eliminates problems associated with cable connections and offers a higher level of serviceability.

Functions

Bosch DVSA satisfies the ever increasing demands of CCTV for video – high speed recording, high performance playback, uninterruptable reliability and massive capacities. With complete RAID 5 protection and SATA -II hard drives, it is ideally suited for when the highest level of data availability is demanded.

The “Lite” models are fully featured RAID 5 disk arrays with a single SCSI U-320 interface (no loop-through for cascading supported). With the focus on non stop reliability all critical components, including the drive trays and cooling modules are hot-swappable within the cableless modular chassis.

In the event of a failure, the Bosch Digital Video Array sounds an audible alarm to notify a user. The units also ensure that system managers can be constantly updated with their status via a choice of channels, including email, fax, LAN broadcast, SNMP traps, MSN Messenger and SMS messages depending on the infrastructure in place and user preferences.

Certifications and Approvals

Region	Certification	
Europe	CE	DVA-8E

Installation/Configuration Notes



DVA-08E rear view

The Bosch RAIDWatch Manager is a Java-based RAID management software that provides a user-friendly graphical interface for configuring and monitoring RAID systems. The program is specifically designed to manage Bosch DVSA.

Bosch RAIDWatch simplifies the otherwise complicated process of array configuration, giving system integrators a wide range of convenient Raid management options. The Bosch DVSA is equipped with an Ethernet port for local and remote management. The software gives system administrators fingertip control to instantly deploy, configure, manage and monitor multiple storage subsystems at local or remote locations. The “Install Once, Run Anywhere” convenience saves time and ensures continuous operation. With WAN/LAN support an operator can manage multiple Bosch DVSA from a single workstation.

Note for ordering:

The appropriate SCSI connection cable and the Diskarray cabinet slider must be ordered separately.

Technical Specifications

Electrical

Model No.	No. of Hard Drives	Voltage Range	Operating Power*
DVA-08E 04050RA	4x 500 GB	120/240 VAC, 50/60 Hz	350 W (1197 BTU/hour)
DVA-08E 04100RA	4x 1 TB	120/240 VAC, 50/60 Hz	350 W (1197 BTU/hour)
DVA-08E 08050RA	8x 500 GB	120/240 VAC, 50/60 Hz	350 W (1197 BTU/hour)
DVA-08E 08100RA	8x 1 TB	120/240 VAC, 50/60 Hz	350 W (1197 BTU/hour)

*Power is based on the unit’s maximum operating conditions.

Peak Current 6 A / 115 VAC or 3 A / 230 VAC

Accessories

Required cables (not supplied with the array)

DiBos	DVA-ACON-HD68A
Divar	DVA-ACON-HD50A
NVR	DVA-ACON-VD68A

The DVSA includes a controller board, power supply and a specified number of hard disks. Additional accessories are optional, for redundancy, hot spare or installation.

Item	Type #
Hard Disk Assembly (500 GB)	DVA-ADTK-050A

Hard Disk Assembly (1 TB)	DVA-ADTK-100A
Power Supply	DVA-SPEK-08A
Fan module	DVA-SFAK-08A
Single channel SCSI controller	DVA-SCSK-08A
Slider rail for cabinet 533 mm – 724 mm	DVA-ASRK-28A
Slider rail for cabinet 647 mm – 900 mm	DVA-ASRK-6A

Compatible Bosch Video Servers

DiBos
Divar
NVR

Mechanical

Connectors

Power	IEC Male
RS-232 (Serial) Port	DB-9 Male, for upgrade and service
Host Ports	One (1) auto-terminating, no loop-through, Ultra SCSI-320
Network	RJ-45, Ethernet 10/100BaseT compatible

Dimensions (WxHxD)

446 x 88 x 490 mm
17.6 x 3,5 x 19.3 in.

Weight

28 kg (62 lbs), approximate

Environmental

Operating Temperature	0°C to 40°C (32°F to 104°F)
Relative Humidity	5% to 95% non condensing
Electromagnetic Compatibility (EMC)	Complies with FCC and CE Regulations
Product Safety	CE, UL, CB, EN and IEC
Warranty	3 Years

Ordering Information

DVA-08E-04050RA SCSI Diskarray 8-bay Lite 4 HDD, 2 TB	DVA-08E-04050RA
DVA-08E-04100RA SCSI Diskarray 8-bay Lite 4 HDD, 4 TB	DVA-08E-04100RA
DVA-08E-08050RA SCSI Diskarray 8-bay Lite 8 HDD, 4 TB	DVA-08E-08050RA
DVA-08E-08100RA SCSI Diskarray 8-bay Lite 8 HDD, 8 TB	DVA-08E-08100RA

Ordering Information

Accessories

DVA-ACON-HD50A Divar SCSI cable 0.5 m, HD50-VHDCI plug	DVA-ACON-HD50A
DVA-ACON-HD68A DiBos SCSI cable 1 m, HD68-VHDCI plug	DVA-ACON-HD68A
DVA-ACON-VD68A NVR SCSI cable 1 m, VHDCI-VHDCI plug	DVA-ACON-VD68A
DVA-ADTK-050A Diskarray HDD expansion, 500 GB	DVA-ADTK-050A
DVA-ADTK-100A Diskarray HDD expansion, 1 TB	DVA-ADTK-100A
DVA-SPEK-08A PSU for 8-bay Lite Diskarray, 350 W	DVA-SPEK-08A
DVA-SFAK-08A Diskarray Fan Module for 8- and 12-bay	DVA-SFAK-08A
DVA-SCSK-08A SCSI Diskarray Controller Lite	DVA-SCSK-08A
DVA-ASRK-28A Diskarray Cabinet Slider for DVA-08 and DVA-12, 533 mm - 724 mm/ 21 in. - 28.5 in.	DVA-ASRK-28A
DVA-ASRK-36A Diskarray Cabinet Slider for DVA-08 and DVA-12, 647 mm - 914 mm/ 25.5 in. - 36 in.	DVA-ASRK-36A

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