

RAID



HIGH CAPACITY, LONG TERM, RESILIENT, HARD DISK STORAGE

RAIDs are high capacity external hard disk expansion units that provide additional long-term storage capabilities for Dedicated Micros digital video recorders.

Increased storage capacity

Each RAID gives DM DVR users up to 500 days of extra storage in 24-hour time-lapse mode (6pps & 18KB file size with formatted 6TB RAID).

Easy set-up and use

The RAID simply connects to the DM DVR's SCSI port, using the cable provided. DM DVRs will prompt you to import any previously recorded images, or use the RAID as a new disk, after which it will automatically record to the RAID and allow playback, search and archiving as if the RAID were a factory-fitted disk.

Ability to recover data

RAID units come pre-configured and tested at RAID Level 5. This RAID level reserves a disk to store error-correcting information, giving you the extra assurance that, in the unlikely event of a disk failure, no data is lost. Disks and power supplies can also be hot-swapped without affecting recording.

Choice of storage options

RAID units are available with eight hard disks, with capacities of 2.4, 4, 6TB. Please contact customer services or visit our website – www.dedicatedmicros.com – for the latest available disk capacities.

Multiple RAID option

Each DM DVR can have up to a maximum of seven mixed external SCSI devices e.g. several RAID units and an external CD Writer.

Please note that the DS2 supports five mixed external SCSI devices.

FEATURES

- ▶ 2U Rack Mount Chassis for high storage density applications
- ▶ RAID Mirroring or Parity to protect against Hard Disk failure
- ▶ Dual hot swap power supplies for non-stop maintenance
- ▶ SATA Disks for high-speed data transfer
- ▶ Pre-configured at RAID Level 5 for maximum protection
- ▶ Automatically starts rebuild when disk is hot swapped for ease of maintenance
- ▶ Factory formatted and tested with DM DVRs for complete peace of mind

SPECIFICATION

DESCRIPTION	RAID R8 2T4	4TB	6TB
SUMMARY			
CONFIGURATION	2U RACK MOUNT		
TYPICAL RECORD TIME*	200 DAYS	350 DAYS	500 DAYS
CONTROLLER			
RAID LEVELS	JBOD / RAID 0,1,0+1,3,5,30,50	JBOD / RAID 0,1,0+1,3,5,30,50	JBOD / RAID 0,1,0+1,3,5,30,50
SCSI HOST INTERFACES	2X ULTRA320 LVD SCSI	2X ULTRA320 LVD SCSI	2X ULTRA320 LVD SCSI
DISK CADDIES	8X HOT SWAPPABLE SATA	8X HOT SWAPPABLE SATA	8X HOT SWAPPABLE SATA
DATA REBUILD	AUTOMATIC DATA REGENERATION	AUTOMATIC DATA REGENERATION	AUTOMATIC DATA REGENERATION
DISK CONFIGURATION			
DISK SIZE	320GB	500GB	750GB
UNFORMATTED CAPACITY	2.4TB	4TB	6TB
DEFAULT RAID LEVEL	1X RAID 5	1X RAID 5	1X RAID 5
DEFAULT PARITY DISKS	1X 320GB	1X 500GB	1X 750GB
DEFAULT FORMAT	1X 2.1TB FAULT TOLERANT SATA DISKS	1X 3.5TB FAULT TOLERANT SATA DISKS	1X 5.25TB FAULT TOLERANT SATA DISKS
POWER			
VENTILATION	2X REPLACEABLE FANS	2X REPLACEABLE FANS	2X REPLACEABLE FANS
POWER SUPPLY	2X 300W REDUNDANT HOT SWAPPABLE	2X 300W REDUNDANT HOT SWAPPABLE	2X 300W REDUNDANT HOT SWAPPABLE
AC INPUT VOLTAGE	100-240V (+/-10%), 47-63HZ	100-240V (+/-10%), 47-63HZ	100-240V (+/-10%), 47-63HZ
AC INPUT CONNECTORS	2X IEC MALE	2X IEC MALE	2X IEC MALE
MECHANICAL			
OPERATING TEMPERATURE	5-40°C	5-40°C	5-40°C
OPERATING HUMIDITY	10% TO 85% NON-CONDENSING	10% TO 85% NON-CONDENSING	10% TO 85% NON-CONDENSING
DIMENSIONS (MM)	88(H) X 485(W) X 470(D)	88(H) X 485(W) X 470(D)	88(H) X 485(W) X 470(D)
WEIGHT EXCLUDING DISKS	16KG	16KG	16KG
WEIGHT INCLUDING DISKS	21KG	21KG	21KG
SHIPPING WEIGHT	RAID BOX 24KG / DISK BOX 10KG	RAID BOX 24KG / DISK BOX 10KG	RAID BOX 24KG / DISK BOX 10KG

*Record time based on 6PPS 18Kb file size on DM DVR.

Accessories
DM/RAIDS/P8/PSU SPARE HOT SWAPABLE POWER SUPPLY

SUPPORTED PRODUCTS

DESCRIPTION	PRODUCT GROUP		
	VIDEO-SERVER	DVR	
	DV-IP SERVER	NEW DS2	BX2 (NETVU CONNECTED)
MAXIMUM SCSI DISK SIZE	2TB	2TB	2TB
MAX RECORDING SPACE	14TB	10TB	3.4TB

PLEASE CHECK THE WEBSITE FOR DETAILS OF COMPATIBLE PRODUCTS AND OTHER LATEST DEVELOPMENTS

Dedicated Micros UK
Dedicated Micros USA

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Dedicated Micros Slovenia
Dedicated Micros Benelux

1200 Daresbury Park, Daresbury, Warrington, WA4 4GB - Tel: +44 (0) 845 600 9500 Fax: +44 (0) 845 600 9504
14434 Albemarle Point Place, Suite 100, Chantilly, Virginia 20151 - USA Freephone: 800 864 7539
Tel: +1 703 904-7738 Fax: +1 703 904-7743 and 23456 Hawthorne Blvd, Suite 100, Torrance, CA 90505 Tel +1 310 791-8666 Fax: +1 310 791-9877
5580 Explorer Drive, Suite 501, Mississauga, Ontario L4W 4Y1 Tel: +1 905-602-6222 Fax: +1 905-602-6221
Neckarstraße 15a, 41836 Hückelhoven, Germany - Tel: +49 243 352 580 Fax: +49 24 33 52 58 10
9-13 rue du Moulinet, 75013 Paris, France - Tel: +33 1 45 81 99 99 Fax: +33 1 45 81 99 89
16 New Industrial Road, #03-03 Hudson TechnoCentre, Singapore 536204 - Tel: +65 62858982 Fax: +65 62858646
2/9 Packard Avenue, Castle Hill, NSW 2154, Australia - Tel: +612 9634 4211 Fax: +612 9634 4811
Master Licence 404588736
4/36 William Pickering Drive, Albany, Auckland 0663, New Zealand - Freephone: 0800 364 276 Tel: +64 (09) 448 2366 Fax: +64 (09) 448 2369
BLB017, Bulebel Industrial Estate, Zejtun, ZTN08, Malta - Tel: +356 21483 673/4 Fax: +356 21449 170
Building 12, Suite 302, P.O.Box 500291, Dubai Internet City, Dubai, UAE - Tel: +971 (4) 390 1015 Fax: +971 (4) 390 8655
Delavska cesta 24, 4208 Sencur, Slovenia - Tel: +386 4 279 18 90 Fax: +386 4 279 18 91
Joseph Chantraineplantsoen 1, 3070 Kortenberg, Belgium - Tel: +32 2751 3480 Fax: +32 2751 3481

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