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 multiplex recorders. When you connect one or more RAID devices, Dedicated Micros DVMRs automatically detect the available capacity, seeing them as one large storage space.

INCREASED STORAGE CAPACITY
Each RAID gives DM DVMR users up to 180 days of extra storage in 24-hour time-lapse mode (6pps & 18KB file size with formatted 2.4TB RAID).

EASY SET-UP AND USE
The RAID simply connects to the DM DVMR's SCSI port, using the cable provided. Dedicated Micros DVMRs 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 currently available with six or eight hard disks, with capacities of 1.2TB and 2.4TB. Please contact customer service or visit our website, www.dedicatedmicrosus.com, for the latest available disk capacities.

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

For further information please visit our website: www.dedicatedmicrosus.com or contact Customer Service at 800-864-7539.

benefits

- **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**

- **DUAL ULTRA160 SCSI HOST CHANNELS ALLOWS 2 DVMR UNITS TO SHARE RAID**

- **ULTRA ATA-100 HOT SWAP E-IDE 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 DVMRS FOR COMPLETE PEACE OF MIND**

data sheet

Specification

Description	RAID R6 1T2	RAID R8 2T4
Summary		
Configuration	2U Rack Mount	2U Rack Mount
Typical Record Time*	100 Days	180 Days
Controller		
RAID Levels	JBOD / RAID 0,1,0+1,3,5	JBOD / RAID 0,1,0+1,3,5,30,50
SCSI Host Interfaces	2x Ultra160 LVD SCSI	2x Ultra160 LVD SCSI
Disk Caddies	6x Hot Swappable E-IDE	8x Hot Swappable E-IDE
Data Rebuild	Automatic Data Regeneration	Automatic Data Regeneration
Disk Configuration		
Disk Size	200GB	300GB
Unformatted Capacity	1.2TB	2.4TB
Default RAID Level	RAID 5	2x RAID 5
Default Parity Disks	1x 200GB	2x 300GB
Default Format	1x 1TB Fault Tolerant SCSI Disk	2x 900GB Fault Tolerant SCSI Disks**
Power		
Ventilation	2x Replaceable Fans	2x Replaceable Fans
Power Supply	2x 250W Redundant Hot Swappable	2x 300W Redundant Hot Swappable
AC Input Voltage	100/230V (+/-10%), 60/50	100-240V (+/-10%), 47-63Hz
AC Input Connectors	1x IEC male	2x IEC male
Mechanical		
Operating Temperature	41°F-104°F	41°F-104°F
Operating Humidity	0% to 85% Non-condensing	10% to 85% Non-condensing
Dimensions (in.)	3.5(H) x 19(W) x 17.75(D)	3.5(H) x 19(W) x 23(D)
Weight excluding disks	24 lbs.	31 lbs.
Weight including disks	35 lbs.	46 lbs.
Shipping Weight	RAID Box 40 lbs. / Disk Box 17 lbs.	RAID Box 53 lbs. / Disk Box 22 lbs.

*Record time based on 6PPS 18Kb file size on DM DVMR
**Additional short loop SCSI cable included to enable 2x900GB disks to be used on single DM DVMR, where they appear as 2 separate SCSI devices

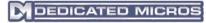| Description	DV-IP	BX2P	DS2P	DS2A	D4A
Maximum SCSI Disk Size	2TB	1TB	1TB	1TB	1TB
Max Recording Space	14TB	3.4TB	3.4TB	3.4TB	3.4TB
Autodetect SCSI Disks	No	Yes	Yes	Yes	Yes

Note that the Eco4 DVMR from Dedicated Micros does not support RAID.
Contact DM to confirm compatibility with earlier hardware.

FOR FURTHER INFORMATION PLEASE CONTACT