

# DMX-16

## 16-channel Color, Digital Multiplexer Recorder

- High Quality Video
- Remote Viewing via Ethernet Port
- Simultaneous Record & Playback with GUI Software (Included)
- AIT/DAT Archive
- Instant Retrieve with Time/Date/Search
- Duplex Operation
- Real Time or Time-lapse Recording
- Time Event



The Philips Digital Video Multiplexer/Recorder (DMX-16) is ideal for applications where high quality multiplexed digital recording is required and economy and ease of use are desired. Live cameras can be displayed in full, sequence, quad, or multiscreen, while excellent high quality pictures from all cameras are sent to a built-in Hard Disc Drive (HDD). Instant access to critical recordings is provided by alarm, time, date, and camera search.

The DMX-16 provides excellent picture quality with instant access to video, eliminating hours spent searching tapes for critical events. Additionally, the greater reliability and lower maintenance associated with digital technology results in lower service costs.

The record and playback functions closely emulate a security VCR, so operation is intuitive. The DMX-16 records via the following event or continuous recording modes: 2, 24, 48, 72, 168, or 960. For simultaneous playback and live multiscreen, a dual monitor setup is available to display playback picture on Monitor B and live viewing on Monitor A.

A built-in 30 GB HDD allows smooth operation in Play, Fast Forward, Reverse, Fast Reverse and Pause. Additionally, an Ethernet port is also available for remote viewing (LAN/WAN) with user-friendly GUI software. Archiving is available through a 50 pin SCSI DAT/AIT/CD (optional).

# SPECIFICATIONS

## Electrical

Model No.	Rated Voltage	Power at Rated Voltage
DMX-161	110 V, AC/DC adapter included	35 W
DMX-162	220 V, AC/DC adapter included	35 W

### Inputs:

Cameras: Sixteen (16), looping, BNC connectors, PAL/NTSC or PAL/CCIR compatible, auto-terminating.

### Outputs:

Monitor (Three (3)): One (1) MON-A multiscreen output, BNC connector NTSC/EIA or PAL/CCIR compatible; one (1) MON-A multiscreen output, S-VHS, 4-pin mini-DIN; one (1) MON-B full screen switched, BNC connector, NTSC/EIA or PAL/CCIR compatible.

### Archive (Optional):

DAT: One (1) SCSI, DB 50-S SCSI (reversed).  
Drive Format: SCSI -2.

### Video:

Display Memory: 1024 x 512 memory array, 4 Mb total display memory.  
Colors: YUV 4:2:2, 16.8 million colors.  
Gray Scale: 256 levels.  
Horizontal Resolution: 720 pixels.  
Vertical Resolution: 484 active lines NTSC/EIA, 576 active lines, PAL/CCIR.  
Compression: WAVELET.

### Alarm Handling:

Alarm Inputs: Sixteen (16) fixed programmable NC or NO in menus.  
Alarm Outputs: Two (2) form C relays, each NC and NO. Rated 0.5 A continuous, 1.0 A momentary.  
Alarm Latching (Three (3) settings): Latched; transparent; timed-out. Programmable 1-100 seconds.  
Alarm Recording: Interleaved programmable.  
Alarm Displays: Automatic alarm multiscreens, Programmable.

### Activity Detection:

Zones per Camera: 256, 16 x 16 grid.  
Sensitivity Settings: 10 levels.  
Gray Levels per Zone: 256 levels.  
Recording Priority: Interleaved.  
Status Output: Link to relay.

### Connectors:

RS-232 Port (2).  
RJ 11 (2) for future use.

### Alarm Accessories:

DB 9 (2).  
DB 25 (1).

### Storage Capacity/Record Time:

Hard Drive: 30 GB.  
Record Speed: 2, (3 PAL), 24, 48, 72, 168, or 960.

### Ethernet Port:

10 Base T, 100 Base T (RJ45).

### Remote Control and Programming:

RS-232 (Two (2)): One (1) DB-9, female, 3-wire, N-8-1, baud rate selectable in menus. Allows remote programming of menus, upload of status data, remote control of front panel buttons; one (1) DB-9, male, 3-wire, N-8-1, baud rate selectable in menus.

### Minimal PC Requirements:

200 MHz Pentium®.  
32 MB RAM (64 MB preferred).  
6 MB free hard disc space.  
10 MB ethernet card (100 MB preferred).  
4 MB SVGA card capable of displaying 1024 x 768 in bit color (24 bit true color preferred).  
Windows 95® SE (second edition), Windows 98®, or Windows NT®.

### Environmental:

Temperature: 0° to 40° C (32° to 104°F), operating.

Relative Humidity: 90%, noncondensing.

### Mechanical

Dimensions: 17.5 x 14 x 1.7 in (444 x 360 x 43 mm).

Weight: 9 lbs (4 kg).

### Ordering Information

**DMX-161:** Duplex, Color, NTSC/EIA

**DMX-162:** Duplex, Color, PAL/CCIR

\*Contact the Philips Web site at [www.philipscom.com](http://www.philipscom.com) for a list of supported SCSI AIT/DAT hardware.

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