

# DVR9, DVR16 Digital Video Recorders

- **User Friendly**
- **Color Duplex**
- **Camera Display Lock-out**
- **Smart Search Capability**
- **Custom Alarm Display**
- **Timed Event Feature**
- **Archive Capability**



The Philips Digital Video Multiplexer/Recorder DVR Series is ideal for applications where high quality, multiplexed digital recording is required. These economical, easy-to-use units can simultaneously record and view on live multiscreen.

These DVRs use state-of-the-art technology to provide high quality, true-to-life color images. Enhanced circuitry allows increased image accuracy and faster display rates without annoying on-screen flickering (aliasing) common in multiscreen mode.

Live cameras can be displayed in full, sequence, quad, or multiscreen on monitor A. At the same time, on monitor B, cameras can be sequencing video or displaying alarm or action call-up. With additional unique camera display lockout features, the selected camera will not display on both monitors. However, high quality pictures of the selected video are recorded to a built-in Hard Disc Drive.

User-friendly controls make these units fast and easy to program and operate. An on-screen programming menu in English, French, German, Spanish, Dutch, and Italian is included. These DVRs also include a Timed Event feature which allows preprogrammed setup parameters, including the recorded functions, to be activated based on the time of day. Up to 6 separate operational settings can be programmed and stored in memory.

To enhance the recording of cameras and hard drive space, the Digital Motion Detection feature intelligently analyzes the motion content of all camera input and ensures that the camera(s) with motion are recorded as a priority. There are two modes of activity detection: "exclusive" and "interleave," both of which are also operational under alarm conditions. In addition, the Digital Motion Detection feature provides four levels of sensitivity, including direction sensing and a special walk-through setup to eliminate false alarms. A selectable audible buzzer is available in this mode.

The DVR Series recorders provide excellent picture quality with instant access to video and a special search filter feature with thumbnail 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 DVR records via the following event or continuous recording modes: from 60 IPS (50 IPS for PAL), equivalent to real time, to 0.1 IPS, equivalent to 960 hours. A built-in HDD allows smooth operation in Play, Fast Forward, Reverse, Fast Reverse, and Pause modes. Archiving is available through a 50 pin SCSI DAT/AIT/CD (optional).

Units do not require external synchronization of camera inputs since they employ time-based correction in all models.



# SPECIFICATIONS

## Electrical

Model No.	Rated Voltage	Power at Rated Voltage
DVR9	108–253 VAC, 50/60 Hz, DC adapter included	35 W
DVR16	108–253 VAC, 50/60 Hz, DC adapter included	35 W

### Inputs:

Cameras:

DVR9: Nine (9), looping, BNC connectors, auto-terminating.

DVR16: Sixteen (16), looping, BNC connectors, auto-terminating.

### Outputs:

Monitor (2): BNC connectors.

### Video:

Display Memory: 720 x 576 PAL.  
720 x 484 NTSC.

AGC: Automatic or manual adjusts for each video input.

Video Input Level: 0.5 Vp-p to 2.0 Vp-p composite video signal.

Zoom: 4 times.

**Compression:** WAVELET.

### Synchronization:

Full time base correction with automatically detected PAL or NTSC.

Monochrome: 652 line, 50 Hz, CCIR.

Monochrome: 525 line, 60 Hz, EIA RS-170.

Color: 625 line, 50 Hz, PAL.

Color: 525 line, 60 Hz, NTSC.

### Alarm Handling:

Alarm Inputs:

DVR9: Nine (9) fixed programmable NC or NO.

DVR16: Sixteen (16) fixed programmable NC or NO.

Alarm Outputs:

Two (2) form C relays, each NC and NO.

Rated 1.0 A at 40 VAC/DC.

### Connectors:

Alarm Accessories: DB25 (1).

### Storage Capacity/Record Time:

Hard Drive:

DVR9: 30 GB min.

DVR16: 75 GB min.

Record Speed: 60 IPS NTSC (50 IPS PAL), 30 IPS NTSC (25 IPS PAL), 16 IPS (NTSC/PAL), 10 IPS (NTSC/PAL), 5 IPS (NTSC/PAL), 1 IPS (NTSC/PAL), 0.5 IPS (NTSC/PAL), 0.2 IPS (NTSC/PAL), and 0.1 IPS (NTSC/PAL).

### Archive:

DAT: One (1) SCSI, DB 50-S SCSI.

Drive Format: SCSI-2.

### Mechanical

**Dimensions:** 440 W x 305 D x 40 H mm.  
(17.5 W x 14 D x 1.7 H in).

**Weight:** 11 lbs (5 kg).

**Rack Mount Kit (Included):** For mounting one unit in an EIA 19-inch rack.

### Environmental

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

**Relative Humidity:** 90%, noncondensing.

### Accessories (Optional):

**DTD1:** Single digital tape drive for DAT tape.

**DTD8:** 8-tape digital tape drive for auto-loader.

**DT-20:** 20 GB DAT tape.



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