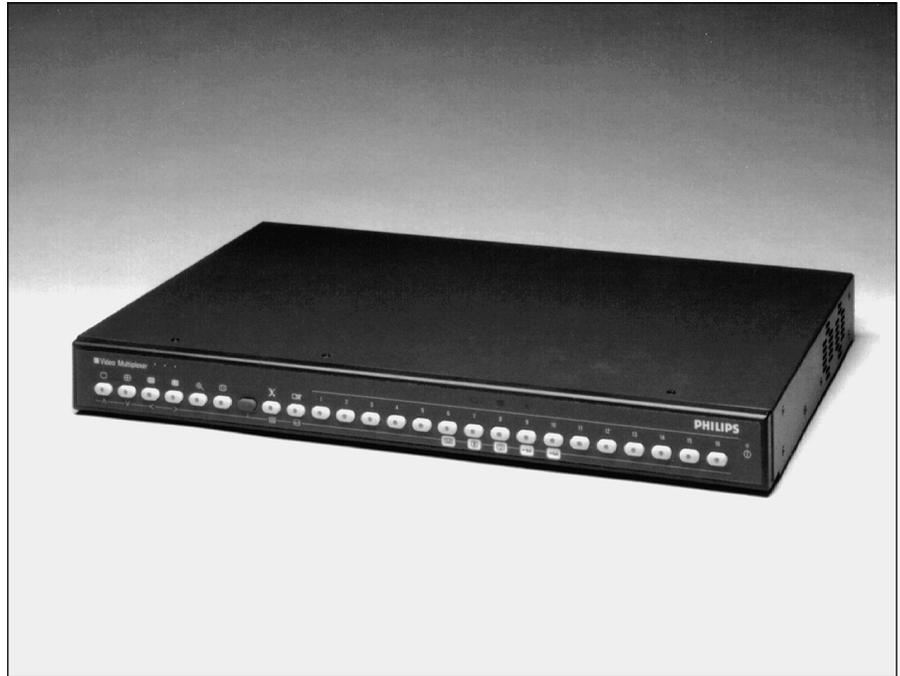


# 9-, 16-channel *MonochromeMux* Video Multiplexers

- User-friendly
- AutoSet® Startup
- Duplex Operation
- Digital Motion Detection
- Timed Events Feature
- Camera Display Lockout
- Compatible with All VCR Types
- Decodes Multiple Recording Formats



The **MonochromeMux** displays any camera to either monitor A or B and includes camera sequencing and alarm or action call-up. With an additional unique camera display lockout feature, the selected camera will not display on both monitors. However, selected video camera(s) will record in the background. These units can simultaneously record and view on multiscreens and can play back previously recorded tapes from 6 different manufacturers.

Furnished with a switching power supply, the **MonochromeMux** intelligently detects the input signal and input voltage and automatically sets the unit for EIA/CCIR. User-friendly controls make these units fast and easy to program and operate. An on-screen programming menu in English, French, German, Spanish, Dutch, or Italian is included. A Quick Setup feature or customized system configuration is available through

the advanced setup program. Help screens guide the operator through the setup process. When the AutoSet feature is enabled, the system automatically configures itself for recording, sequencing, and video loss listing based on the number of connected cameras.

These multiplexers also include a Timed Events feature, which allows pre-programmed setup parameters, including the record 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, the Digital Motion Detection feature intelligently analyzes the motion content of all camera inputs and ensures that the camera(s) with motion are recorded as a priority. There are two modes of the activity detection, "exclusive" and "interleave" 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.

Additionally, these units include a wide selection of features such as front panel controls, synchronization with VCR head switching, freeze, 4X zoom, video loss indicators, alarm capture, password security protection, multirelay function outputs, and full function time and date with 16 character titling record capability.

All units are compatible with standard VHS and Super VHS format Normal or High Density VCRs and require no external synchronization of camera inputs since they employ time-based correction in all modes.

# SPECIFICATIONS

## Electrical

Model No.	Description	Voltage Range	Power/Current
LTC 2632/90	9-channel, Duplex	105 to 253, 50/60 Hz	30 W/0.3 A
LTC 2652/90	16-channel, Duplex	105 to 253, 50/60 Hz	30 W/0.5 A

### Synchronization:

Full time-based correction.  
Monochrome: 625 line, 50 Hz, CCIR.  
Monochrome: 525 line, 60 Hz, EIA RS-170.

### Digital Memory:

720 H x 576 V.  
AGC: Automatic or manually adjust for each video input.  
Video Input Level: 0.5 Vp-p to 2.0 Vp-p composite video signal.

### Operating Modes:

Simultaneous record and multiscreen viewing.  
Simultaneous playback and multiscreen viewing.

### Display Modes:

Live:  
Monitor A and B: Full, quad, or multiscreen display.  
Monitor B: Full screen video viewing or sequence or alarm call-up monitors (during recording).  
Playback:  
Full, quad, or multiscreen display.  
4X electronic zoom and freeze capability.

### Inputs:

Camera: 9 (16) inputs; 18 (32) BNC connectors. Automatic looping termination BNC.  
VCR IN: One BNC.

### Outputs:

Monitor A: One BNC.  
Monitor B: One BNC.  
VCR OUT: One BNC.

### Connectors:

Power: IEC socket, 3-wire power cord with grounded plug; 1.8 m (6 ft).  
Accessory Inputs/Outputs: One 25-pin D-type connector for alarms and accessories.  
Alarm Inputs: 9 (16) individually selectable NO or NC alarm inputs.  
Relay Output: Two relay outputs (selectable NO or NC).  
One for action/alarm.  
One for video loss (The relay contacts handle up to 1 A at 40 VAC/VDC).  
Vext Input: One.

### Mechanical

**Construction:** Steel chassis with sheet metal cover and plastic bezel.

**Finish:** Charcoal case.

**Dimensions:** 440 W x 305 D x 40 H mm (17.3 x 12 x 1.7 in).

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

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

### Environmental

#### Temperature:

Operating: 10 °C to +55 °C (+50 °F to +131 °F).  
Storage: -20 °C to +60 °C (-4 °F to +140 °F).

**Humidity:** 0% to 90% relative, noncondensing.

### Electromagnetic Compatibility

**EMC Requirements:** CE Immunity, CE Emission Class A, FCC Class A.

**Safety:** CE, UL, cUL.



# PHILIPS

*Let's make things better.*