

LTC 2650 Series LTC 2660 Series Sixteen Channel Video Multiplexers

- User Friendly
- QuickSet Start Up
- High Quality Video Image
- Digital Action Detection
- Time Event Function
- Compatible with All VCR Types
- Decodes Multiple Recording Formats
- Color & Monochrome Models



The LTC 2650 Series and LTC 2660 Series sixteen channel video multiplexers incorporate state-of-the-art technology, advanced circuitry, and a large capacity of video memory to provide high video quality images and faster update. Annoying on-screen flickering (aliasing) is also eliminated. Featuring single screen, quad and multiscreen viewing, these units allow monitoring of multiple camera sites without the need for extra monitors and VCRs. Simplex and duplex units are available in color and monochrome models.

When simultaneous recording and multiscreen viewing are required, the LTC 2652 or LTC 2662 Series duplex multiplexers should be used. When either recording and multiscreen viewing is required, but not both simultaneously, the LTC 2651 or LTC 2661 Series simplex multiplexers may be used. During live viewing, recording, or playback, the models can display full-screen, quad-screen, or multiscreen views. These units also have the flexibility to decode tapes previously recorded using Philips TC8250 8 channel series and TC 8200 16 channel "A", "B", "C" Series multiplexers.

These multiplexers are designed with the installer and operator in mind. All models include on-screen menus with two options: QuickSet for fast set up and Advanced SetUp for customized applications. The individual camera select buttons allow for fast and easy set-up of the multiplexer operation parameters. When Auto-set is enabled, depending upon the number of cameras connected to the unit, the system will automatically configure itself for recording, sequence, video loss lists, and the best multiscreen display. For specific set-up parameters, the advanced set up is available to guide the operator step-by-step through the set-up process. Help screens are available to provide instructions and explanations of any function.

These multiplexers also include a Time Event function which allows pre-programmed set up parameters, including the record functions, to be activated based on the time of day. Up to six separate operational settings can be programmed and stored in memory.

To enhance the recording of cameras, the Digital Action 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 motion detection, "exclusive" and "interleave" which is also operational under alarm conditions. In addition, the Digital Action Detection feature also provides four levels of sensitivity to reduce the effects of false alarms. An audible buzzer is selectable in these modes.

Additionally, these units include a wide selection of features such as: front panel controls, synchronization with VCR head switching (which improves update rate), freeze and 2X zoom capability, loss of sync signal indicators, alarm capture, password security protection, multi-relay 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 base correction in all modes.

SPECIFICATIONS

Electrical

Model No.	Mode	Rated Voltage	Voltage Range	Power/Current
Monochrome Models				
LTC 2651/50	Simplex	230 VAC, 50/60 Hz	206 to 253	30 W/0.3 A
LTC 2651/60	Simplex	120 VAC, 50/60 Hz	105 to 132	30 W/0.5 A
LTC 2652/50	Duplex	230 VAC, 50/60 Hz	206 to 253	30 W/0.3 A
LTC 2652/60	Duplex	120 VAC, 50/60 Hz	105 to 132	30 W/0.5 A
Color Models				
LTC 2661/50	Simplex	230 VAC, 50/60 Hz	206 to 253	30 W/0.3 A
LTC 2661/60	Simplex	120 VAC, 50/60 Hz	105 to 132	30 W/0.5 A
LTC 2662/50	Duplex	230 VAC, 50/60 Hz	206 to 253	30 W/0.3 A
LTC 2662/60	Duplex	120 VAC, 50/60 Hz	105 to 132	30 W/0.5 A

Synchronization:

Full time based correction. No external sync. required.

/50 Series:

Mono: 625 line, 50 Hz, CCIR system compatible.

Color: 625 line, 50 Hz, PAL system compatible.

/60 Series:

Mono: 525 line, 60 Hz, EIA RS-170 system compatible.

Color: 525 line, 60 Hz, EIA NTSC system compatible.

Digital Memory:

/50 Series: 720 H x 576 V.

/60 Series: 720 H x 484 V.

AGC: Individually adjusted for each input.

Operating Modes:

Simplex Models: Select either Encode recording or Multiscreen viewing.

Duplex Models: Simultaneous recording and Multiscreen viewing.

Display Modes:

Full Screen (Individual Sequencing).

Live Quad Display (Individual, Dual Quad, or Custom Sequencing) or Multiscreen mode.

Decode Full, Quad, or Multiscreen display.

Positional 2X electronic zoom.

Freeze capability.

Controls & Indicators: Full Screen, Quad Screen, Multiscreen, Cameo, Zoom, Freeze, Alt, Action Clear/Menu, Alarm Clear/Enter, Channels 1 thru 16, Power LED.

Connectors:

Power: 3-wire power cord with grounded plug; 1.8 m (6 ft).

Video Inputs: 1.0 Vp-p to composite video signal, color or monochrome.

CAMERA: 16 inputs; 32 BNC connectors. Automatic switching 75 ohm to high impedance looping.

VCR IN: One input; one BNC.

Video Outputs:

MON-A: Main display output, Full, Quad, Multiscreen.

MON-B: Full screen video viewing or sequence or alarm call-up monitors.

VCR OUT: One BNC.

Accessory Inputs/Outputs: One 25-pin D-type connector for alarms and accessories; 16 individually selectable NO or NC alarm inputs; two relay outputs (selectable NO or NC), one for action/alarm and one for video loss. VEXT pulse input. The relay contacts for action/alarm can handle up to 1 A at 40 VAC/VDC.

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 included.

Environmental

Temperature:

Operating: +0 °C to +55 °C (+32 °F to +131 °F).

Storage: -20 °C to +60 °C (-4 °F to +140 °F).

Humidity: 0% to 90% relative, noncondensing.

Shock: 30 g, 18 ms, 1/2 sine.

Electromagnetic Compatibility

EMC Requirements:

/50 Models: 89/336/EEC.

Immunity: EN50130-4.

Emission: EN55022 class A.

Harmonics: EN61000-3-2

Volt Fluctuation: EN61000-3-3.

/60 Models: U.S.A. and Canada:

FCC Part 15, Class A.

ICES-003.

Safety:

/50 Models: CE.

LVD Requirements: 73/23/EEC; EN60065.

/60 Models: UL 2044 & CSA 22.2, No.1.

