



BOSCH
Invented for life

LTC 2642/90, LTC 2662/90 Series Color Universal Video Multiplexers



- ▶ User-friendly
- ▶ AutoSet startup
- ▶ High quality video image
- ▶ Digital motion detection
- ▶ Timed events feature
- ▶ Camera display lockout
- ▶ Compatible with all VCR types
- ▶ Decodes multiple recording formats

The Universal Multiplexer uses state-of-the-art technology to produce high quality, true-to-life color video images. Enhanced circuitry allows increased image accuracy and faster display rates without annoying on-screen-flickering (aliasing) common with multiscreen displays. These units can display any camera to either monitor A or B and include 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 playback previously recorded tapes from 6 different manufacturers.

Functions

Furnished with a switching power supply, the Universal Multiplexer intelligently detects the input signal and input voltage and automatically sets the unit for PAL/NTSC or 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 preprogrammed 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 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.

Certifications and Approvals

Electromagnetic Requirements (EMC)	CE Immunity, CE Emission Class A, FCC Class A
Safety	CE, UL, cUL

Technical Specifications

Electrical

Model No.	Description	Voltage Range	Power / Current
LTC 2642/90	9-channel Duplex	105 to 253, 50/60 Hz	30 W / 0.3 A
LTC 2662/90	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

Color 625 line, 50 Hz, PAL

Color 525 line, 60 Hz, NTSC

Digital Memory

720 H x 576 V

AGC Automatic or manual adjustment 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 (1) BNC

Outputs

Monitor A One (1) BNC

Monitor B One (1) BNC

VCR OUT One (1) 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 (1) for action/alarm and one (1) for video loss (the relay contacts handle up to 1 A at 40 VAC/VDC)

Vext Input One (1)

Mechanical

Construction	Steel chassis with sheet metal cover and plastic bezel
Finish	Charcoal case
Dimensions (W x D x H)	440 x 305 x 40 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 48 cm (19 in.) 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, non-condensing

Ordering Information

LTC 2642/90 Color Universal Video Multiplexer 9 channel, color, duplex, 105 – 253 VAC, 50/60 Hz	896026429001
LTC 2662/90 Color Universal Video Multiplexer 16 channel, color, duplex, 105 – 253 VAC, 50/60 Hz	896026629001

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