6Plex
Video Management Systems

- **Six Channel Duplex Multiplexer**
- **User-friendly**
- **5 + 1 Viewing Mode**
- **AutoSet® Startup**
- **Digital Motion Detection**
- **Timed Events Feature**
- **Decodes Multiple Recording Formats**
- **Optional Remote Keyboard with P/T/Z Control**
- **Camera Display Lockout**

The *6Plex* Video Management System 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 be used as matrix switchers, displaying any camera to either monitor A or B and include camera sequencing and alarm display with pre-position call up.

With an additional unique display, 5+1 mode, the +1 viewing quadrant is used for alarm call-up so there is no need for an extra monitor. These video controllers let you simultaneously record and view multiscreen and are compatible with VCRs from other manufacturers.

Furnished with a switching power supply, the *6Plex* intelligently detects the input signal 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. An AutoSet 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.

With a unique camera display lockout feature, the *6Plex* will not display any selected camera on both monitors. However, the hidden video will record in the background. Also, this unit provides digital motion detection circuitry to intelligently analyze the motion content of all camera inputs and ensures that cameras with motion present become the priority for recording. Recording may be programmed as either "exclusive" or "interleave," based on motion or alarm detection. 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.

Preprogrammed setup of parameters may be achieved using the Timed Events feature. This feature allows several

configurations for system operation and recording. Up to 6 separate operational parameters may be programmed and stored in the system memory for manual call-up or timed activation.

These units include front panel controls, synchronization with VCR head switching, image freeze and 4X digital zoom, sync signal loss indicators, alarm capture, password security, multirelay outputs, full function time/date, and 16 character camera titling record. These controllers are compatible with VHS, S-VHS, normal, and high density VCRs. They do not require external synchronization of camera inputs, since integrated time-based correction is included.

These video controllers allow a user-friendly design which no longer requires multiple systems. They are capable of handling up to 6 video inputs while switching, multiplexing, and controlling with remote keyboards for P/T/Z functions. These units intelligently provide a multifunction system in one compact unit.

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SPECIFICATIONS

Electrical

Model No.	Description	Voltage Range	Power/ Current
LTC 2622/90	6-channel, Duplex	108 to 253 VAC, 50/60 Hz	30 W/0.3 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 484 V.
AGC: Automatic or manually adjusted for each video input.
Video Input Level: 0.5 Vp-p to 2.0 Vp-p composite video
    signal.

Display Modes:
Live:
    Monitor A and B: Full, quad, or multiscreen display (5+1
        mode).
    Monitor B: Full screen video viewing or sequence or
        alarm call-up monitors (during recording).
Playback: Full, quad, or multiscreen display.

Inputs:
Camera: 6 inputs; 12 BNC connectors. Automatic looping
    termination BNC.
VCR IN: One BNC.

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

Controls & Indicators:
Front Panel.

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: 6 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.
Biphase Output: 4.

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.

Options

LTC 2601/00 Keyboard: Full function keyboards designed for system control, programming, and pan/tilt/zoom operation in Philips Allegiant® receiver/drivers or AutoDome systems.

LTC 2602/00 Keyboard: Same as LTC 2601/00, except includes variable speed joystick for pan/tilt/zoom control.

LTC 8558/00 Keyboard Extension Cable: Six conductor extension cable provides data/power for remote keyboard operation up to 30 m (100 feet) away from controller.

LTC 8557 Series Keyboard Extension Kits: Interface kit to permit remote operation of keyboards up to 1.5 km (5000 feet) from controller.
    LTC 8557/50: 230 V, 50 Hz.
    LTC 8557/60: 120 V, 60 Hz.

S1383: Vext Cable for using with LTC 3924, LTC 3960, LTC 3962, LTC 3963, LTC 3990, and LTC 3991 series VCRs.

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