



# Pilot Lite V1522 Matrix Switching and Control System



## Big Functionality for Small CCTV Systems

- 32 camera x 8 monitor system supports PTZ and fixed cameras
- Easy-to-use Configurator simplifies system setup and programming
- Touch-sensitive screen brings control of many common functions to your fingertips
- Multiple alarm, event, tour and preset options

The Pilot Lite™ V1522 Matrix Switching and Control System is the ideal system to control smaller scale CCTV systems of up to 32 cameras by 8 monitors. Everything you need to connect cameras, monitors, keypads, receivers and alarms is contained in a single unit. Programming the system is accomplished using the built-in Configurator. The Configurator provides an intuitive graphical user interface that enables you to set up system parameters, such as :

- Timed or Triggered Event Programming
- Keypad Setup
- Receiver Profile Configuration
- Camera Setup
- Titring and Identification of Cameras, Monitors and Presets
- Monitor Setup
- Salvo and Tour Configuration
- Alarm Processing Configuration

Manual and sequential switching options are supported, including ascending order and random order switching. Full camera-monitor partitioning and up to 256 timed events may be programmed. Default camera-monitor assignments or a default tour may be programmed for power-on system startup after a power outage.

Switching modes also include salvo or zone switching and sequencing salvos, with up to eight camera-monitor pairs per salvo. These may be selected manually or automatically. Salvos may be called up manually or by alarm. Each salvo can have a unique combination of camera, monitor, and preset position.

The Pilot Lite also provides touch-sensitive front panel controls with an integral keypad and LCD display. Many common operations can be performed using the front panel controls.

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# Technical Specifications

## ELECTRICAL

<b>Input Voltage:</b>	100-240 VAC, 50/60 Hz.
<b>Current:</b>	270 mA
<b>Power Consumption:</b>	33 W.
<b>Alarm Inputs:</b>	All inputs are NC or active high (CMOS/TTL compatible). 32 inputs from receivers; 32 direct alarm inputs.
<b>Alarm Output:</b>	Normally open (NO) relay closure provides operation of remote units such as VCRs under alarm conditions. Relay rated at 1 A, 30 V.

## MECHANICAL

<b>Application:</b>	Indoor.
<b>Mounting:</b>	All units may be rack mounted in a standard EIA compliant rack.
<b>Dimensions:</b>	Width (W): 17.63 in. (448 mm). Depth (D): 15 in. (381 mm). Height (H): 3.5 in. (89 mm).
<b>Weight:</b>	16.3 lb (7.4 kg).
<b>Color:</b>	Front Panel: Silver; Case: Black.

## ENVIRONMENTAL

<b>Operating Temperature Range:</b>	32 to 122° F (0 to 50° C).
<b>Operating Humidity Range:</b>	Up to 90%, noncondensing.

## VIDEO

<b>Video Input Level:</b>	1.0 V p-p nominal.
<b>Input/Output Impedance:</b>	Terminated: 75 ohms. Looping: High impedance (6.8 kohm).
<b>Input to Input Isolation:</b>	Typical -52 dB at 4.2 MHz.
<b>Video Gain:</b>	Unity, $\pm 0.3$ dB.
<b>Video Frequency Flatness:</b>	100 kHz to 10 MHz $\pm 0.9$ dB.
<b>Total Bandwidth:</b>	1 Hz to 20 MHz, @ -3 dB.
<b>Tilt:</b>	Less than 1%.
<b>Field/Line Short-Time Distortion:</b>	Less than 1%.
<b>Chrominance to Luminance Delay:</b>	Less than 50 nsec.
<b>Crosstalk Isolation:</b>	Typically -50 dB at 4.2 MHz between two adjacent input channels routed to two adjacent output channels.
<b>Hum and Noise:</b>	70 dB below 1 V p-p up to 5 MHz.
<b>Signal-to-Noise Ratio:</b>	Greater than 61 dBrms typical unweighted, 15 kHz to 5 MHz.
<b>Connectors:</b>	Video Inputs: 32 BNC connectors; Video Outputs: 8 BNC connectors; Alarm Inputs: 32 on two terminal blocks; Looping Video Outputs: 4 D-Shell connectors; Alarm Relay Outputs: 3 on terminal block; Keypad Inouts: 6 on terminal block; Receiver Inputs: 6 on terminal block; Audioswitch: D-Shell connector for connection to Relay/Audio-Follow-Video Switcher; Audio Inputs: 16 on two terminal blocks (Future Use); PC Connections: Mouse PS/2, Keyboard PS/2, VGA Output, Serial Output 9-Pin D-Shell, RJ-45 network, 2 USB 2.0, S-Video output, Composite video output (Not Used), microphone input, line input, speaker out put.

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