



Pilot Plus V1544 Matrix Switching and Control System



Monitor not included

Expandable CCTV Control System that Manages Up to 128 Cameras x 8 Monitors

- Supports PTZ and fixed cameras
- Modular design using self-contained card cage allows easy expansion up to 128 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 Plus™ V1544 Matrix Switching and Control System is the ideal system to control small to moderate scale CCTV systems of up to 128 cameras by 8 monitors. Everything you need to connect cameras, monitors, keypads, receivers and alarms is contained in a single unit. The self-contained card cage can be populated with up to three video switcher cards that can address 32 cameras each for a total of 128 cameras.

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
- Titling 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 Plus 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

Input Voltage:	100-240 VAC, 47-63 Hz.
Current:	0.98 A.
Power Consumption:	60 W.
Alarm Inputs:	All inputs are NC or active high (CMOS/TTL compatible). 32 inputs from receivers; 32 direct alarm inputs.
Alarm Output:	Normally open (NO) relay closure provides operation of remote units such as VCRs under alarm conditions. Relay rated at 1 A, 30 V.

MECHANICAL

Application:	Indoor.
Mounting:	All units may be rack mounted in a standard EIA compliant rack.
Dimensions:	Width (W): 17.63 in. (448 mm). Depth (D): 15 in. (381 mm). Height (H): 8.5 in. (89 mm).
Weight:	28.6 lb (13 kg).
Color:	Front Panel: Silver; Case: Black.

ENVIRONMENTAL

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

VIDEO

Video Input Level:	1.0 V p-p nominal.
Input/Output Impedance:	Terminated: 75 ohms. Looping: High impedance (6.8 kohm).
Input to Input Isolation:	Typical -52 dB at 4.2 MHz.
Video Gain:	Unity, ± 0.3 dB.
Video Frequency Flatness:	100 kHz to 10 MHz ± 0.9 dB.
Total Bandwidth:	1 Hz to 20 MHz, @ -3 dB.
Tilt:	Less than 1%.
Field/Line Short-Time Distortion:	Less than 1%.
Chrominance to Luminance Delay:	Less than 50 nsec.
Crosstalk Isolation:	Typically -50 dB at 4.2 MHz between two adjacent input channels routed to two adjacent output channels.
Hum and Noise:	70 dB below 1 V p-p up to 5 MHz.
Signal-to-Noise Ratio:	Greater than 56 dBrms typical unweighted, 15 kHz to 5 MHz.
Connectors:	Video Inputs: 128 BNC connectors; Video Outputs: 8 BNC connectors; Alarm Inputs: 32 on two terminal blocks; Looping Video Outputs: 16 D-Shell connectors; Alarm Relay Outputs: 3 on terminal block; Keypad Inputs: 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 output.

Product Code 9146-00

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