



Pilot Select V1566

Digital Control and Matrix Switching System



Laptop not included

Scalable Matrix System that Provides Powerful Programming Options and Room for Growth

- Scalable architecture allows you to create systems of up to 512 camera inputs by 64 monitor outputs using multiple cages
- More capacity from a single card cage: 256 camera inputs x 32 monitor outputs
- Supports up to 256 PTZ cameras
- Microsoft® Windows® based Configurator simplifies system programming and allows you to create a standard system configuration and load it on multiple systems

The Pilot Select™ V1566 Digital Control and Matrix Switching System is a full-featured, digital control unit and matrix switcher for systems with up to 512 cameras and 64 monitors (using 4 card cages). The V1566 consists of one, two or four Pilot66/99 card cages that are populated with: internal CPU, time/date/titler, switcher cards, or other control cards depending upon configuration. The system is designed for rack mounting and multiple units can be mounted in a large rack.

The V1566 provides powerful programming options that allow you to customize the system for your installation and configure it so that the operator interface is both intuitive and accessible to the user. This custom configuration is called a profile, and multiple profiles may be created to suit your needs.

Maximum system size for the V1566 is 512 cameras by 64 monitors.

Other system parameters include:

- Number of keypads - 16
- Number of PTZ receivers - 256
- Host computer ports - 1
- Number of X-IA alarms - 256
- Number of receiver alarms - 256
- Number of tours* - 128
- Steps per tour - 32
- Number of salvos - 64
- Monitors per salvo - 16
- Number of timed events - 64

* Tours may be chained together.

The V1566 may be controlled by up to 16 operator keypads. It may also be controlled by a Host Computer, which may be a desktop or laptop PC. A printer can be connected to the unit for printing alarm incident records.

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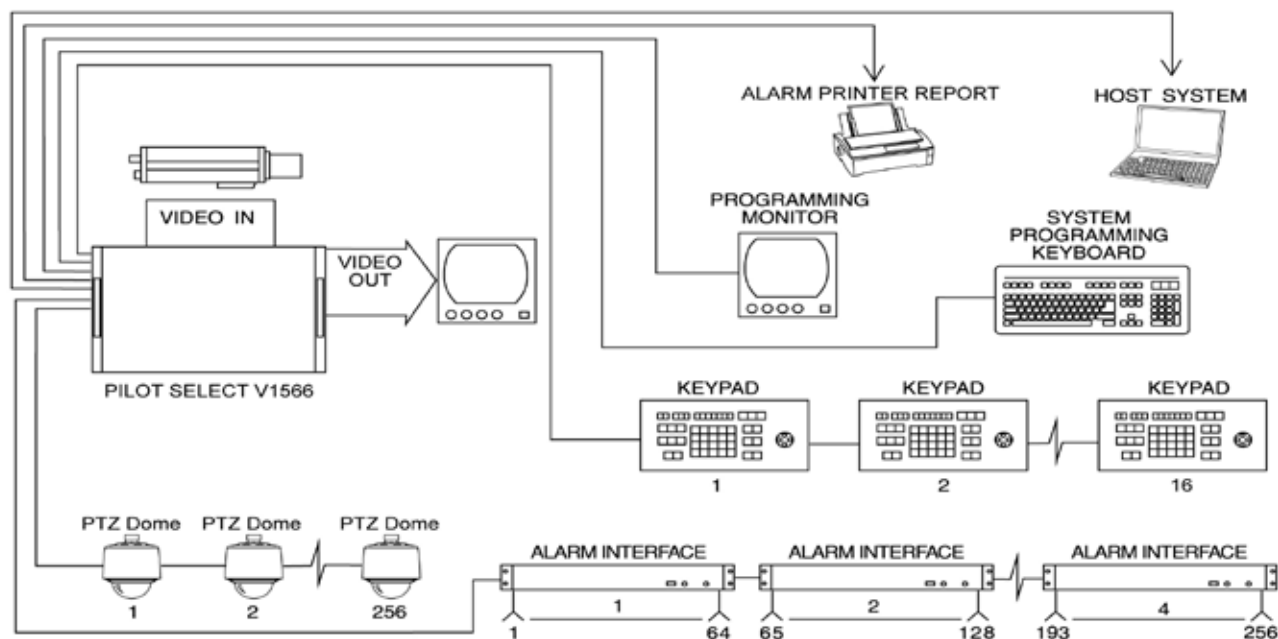
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Typical System Setup



Technical Specifications

ELECTRICAL

Maximum Camera/Monitor Configurations

Single-Cage: 256 cameras × 32 monitors.
Two-Cages: Camera Expansion: 512 cameras × 32 monitors.
 Monitor Expansion: 256 cameras × 64 monitors.

Four-Cages: 512 cameras × 64 monitors.

CPU Speed: 20 MHz
Input Voltage: 120 to 230 VAC, 50/60 Hz.
 Auto range

Current: 0.5 A RMS max. Fully loaded card cage with internal CPU.

Power Consumption: 60 W max. Fully loaded card cage with internal CPU.

VIDEO

Video Input Signal: 2.0 V p-p maximum.
Input Impedance: Looping: greater than 50 kohm.
 Terminating: 75 ohm.

Video Frequency

Flatness*: 100 kHz to 10 MHz ±0.7 dB.

Bandwidth*: Typical 1 Hz to >30 MHz @ -3dB.

Crosstalk Isolation: Minimum 50 dB at 3.58 Mhz.

Input to Input Isolation: Typical 65 dB at 3.5 MHz.

Gain: Unity.

Differential Gain/Phase: Less than 0.5%/0.5°, with 10-90% picture level.

*Single Crosspoint condition between 1 camera to 1 monitor connection.

Hum and Noise: 69 dB below 0.714 V p-p from 50 Hz to 5 MHz.

Signal-to-Noise Ratio: Greater than 70 dBrms typical unweighted, 15 kHz to 5 MHz.

Video Switcher Frame Control

Logic Input: 5 V TTL/CMOS level, twelve data bits per camera input and eight data bits per monitor output.

MECHANICAL

Construction: Steel chassis with aluminum front panel.
 Finish: Chassis: zinc plated clear chromate.

Front panel: black baked enamel.

Dimensions: Height (H): 14.0 in. (356 mm).
 Width (W): 19.0 in. (483 mm).
 Depth (D): 8.5 in. (216 mm).

Weight, Card Cage: Approximately 27 lb (12.27 kg).

ENVIRONMENTAL

Operating Temperature Range: 32 to 122°F (0 to 50°C).

Operating Humidity Range: Up to 95% relative, non-condensing.

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