

VMS Series

Overview

The VMS-9000 system is a full-featured video matrix switching control system for use in medium-sized CCTV installations. This system allows users to control a maximum of 256 cameras to 32 video monitors.

The base configuration for this system is made up of a central processing unit, a matrix switching bay, and a keyboard controller (KBD). Optional components may be added to enhance system capabilities.

Powerful macro operation allows activation of commonly occurring events, either manually or automatically, based on time of day, day of week, day of year, and alarms. Macros may call system-wide sequences; activate preset positions and auxiliaries on properly equipped cameras; automate VCR control; and activate external relays to turn lights on, lock doors, and control other auxiliary functions (additional equipment may be required).

The VMS-9000 system also includes built-in video loss detection and system diagnostic features. Video loss detection monitors incoming video signals to alert operators of a camera failure. Diagnostic monitor output (VGA) is included to assist in set-up, programming, and troubleshooting.

Optional VCR management allows VCRs to be controlled directly from the system keyboards. VCRs can be monitored for operational conditions ensuring continuous recording.

Integration with a Digital Video Recorder allows the VMS-9000 to monitor and respond to the recorder's video motion detection capabilities. The VMS-9000 also monitors the operational status of the recorders on a network to provide fail-safe switchover to standby recorder(s) if a primary recorder(s) fails.



VMS-9000 Bay



Processing Unit

Features

- Modular System Expandable to 256 Inputs and 32 Outputs
- Microprocessor-Based, Full Cross-Point Video Matrix
- Sixteen RS-422 COM Ports and Two RS-232 Full-Duplex Ports Available on the CPU
- Logical Camera Selection
- Priority Level Operation
- Multiplexer and VCR Control Via a Keyboard Controller
- Built-in Video Loss Detection
- Built-in System Diagnostics
- Windows®-Based System Management Software
- Factory Tested Pre-Packaged Systems
- ASCII Data Input to Interface Access Control Systems and Other External Systems
- Step-Command Macro Programming
- Remote Viewing and Control Over TCP/IP Networks Using Included Software
- Network Compatibility Allows VMS-9000 Systems in Remote Locations to Communicate with a Centralized, Master VMS-9000 System

Ordering Information

Model	Description
VMS-9000	6RU VMS-9000 Chassis
VMS-9000-CPU	3RU VMS-9000 Central Processing Unit (CPU) VMS-9000 System
VMS-IC16	16 Ch Video Input Card VMS-9000 System
VMS-OC16	16 Ch Video Output Card for VMS-9000 System
VMS-RPC16	16 Ch Rear Panel Card for Looping Video
VMS-KBD-01	Desktop keyboard for Matrix Switch control as well as joystick for PTZ camera control and selection

Specifications

CENTRAL PROCESSING UNIT

ELECTRICAL

Input Voltage 120 VAC, 60 Hz or 230 VAC, 50 Hz, autoranging
Power Consumption 35 watts
Processor Pentium® class CPU
Clock Speed 133 MHz or better
Memory 16 MB RAM
Disk Drive 3.5-inch, 1.44 MB
Flash Storage 16 MB solid-state flash memory
I/O Ports Sixteen RS-422 communication ports
Two RS-232 communication ports
One printer port
One VGA/SVGA monitor output port
One PS/2 mouse port
One PS/2-compatible keyboard port

GENERAL

Operating Temperature 32° to 120°F (0° to 49°C)
Dimensions 5.25" H x 19.00" W x 14.25" D
(13.34 x 48.26 x 36.20 cm)
Mounting Fits 19-inch EIA Standard rack (3 RUs)
Unit Weight 13.6 lb (6.18 kg)
Shipping Weight 37 lb (16.82 kg)

CERTIFICATIONS

- CE, Class B
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class B

KEYBOARD CONTROLLER

ELECTRICAL

Input Voltage 12 VDC from 120 VAC, 60 Hz or 230 VAC, 50 Hz wall transformer (supplied)
Power Consumption 10 watts
Communication RS-422, full duplex
Operating Distance 4,000 feet (1,219 m) on 24 AWG wire
Internal Relay Rating 1 A

GENERAL

Operating Temperature 32° to 120°F (0° to 49°C)
Dimensions: 3.30" H x 15.53" W x 7.80" D
(8.38 x 39.45 x 19.81 cm)
Unit Weight: 4.6 lb (2.09 kg)
Shipping Weight: 9 lb (4.09 kg)

CERTIFICATIONS

- CE, Class A
- CE, Class B
- FCC, Class A

MATRIX SWITCHING BAY

ELECTRICAL

Input Voltage 120 VAC, 60 Hz or 230 VAC, 50 Hz
Power Consumption 90 watts maximum (fully populated)
Communication Full duplex RS-422 using an RJ-45 connector
Inputs Sixteen input card slots for supporting 256 inputs per bay
Outputs One output card slot for supporting up to 16 outputs per bay

VIDEO

Video Input Level 0.5 to 2 Vp-p, RS-170 composite video
Impedance 75 ohms terminating (looping versions available; add "L" or "S" suffix to model number when ordering)
Crosstalk -60 dB at 3.58 MHz

GENERAL

Operating Temperature 14° to 122°F (-10° to 50°C)
Dimensions 10.5" H x 19.0" W x 20.0" D
(26.67 x 48.26 x 50.80 cm)
Mounting Fits 19-inch EIA Standard rack (6 RUs)
Unit Weight 21.9 lb (9.93 kg)
60.0 lb (27.22 kg), fully populated
Shipping Weight 35.0 lb (15.88 kg)
73.0 lb (33.11 kg), fully populated

CERTIFICATIONS

- CE, Class A
- FCC, Class A
- UL Listed

