



VMX300 Video Management System

VIEWING AND CONTROL FOR UP TO 100 CAMERAS

Product Features

- Bridges the Analog/Digital Video Gap by Enabling Both Analog and Digital Products to Operate as a Single Integrated System
- Simple, Powerful and Intuitive User Interface. Can Control Switchers, DVRs, PelcoNet™ Transmission Systems, and the NVR300 Network Video Recorder
- Provides Real-World Integration of IP-Based Video Into Existing Technology
- Flexible Client/Server Architecture Allows Multiple Users to Share Common Resources
- Drag and Drop Cameras to Display Windows from Facility Maps
- Eliminates the Need to Remember Complex Camera and Keyboard Codes. Operators Get Up-to-Speed Faster
- Control Dome and PTZ Functions with a Mouse
- Import Maps of Facilities from JPEG, BMP or WMF Files
- Create Logical Links Between Related Maps of Building Floors, Rooms, and Hallways with Expanded Views and Details
- Leverages Existing CCTV Systems While Providing a Pathway for IP-Based Video Integration and System Growth

The **VMX300** provides control and monitoring of CCTV equipment in a client-to-server configuration. **VMX300** can control up to 100 cameras with point-and-click simplicity.

VMX300 can be installed in a variety of display configurations. IP video decoding allows clients to display live video in multiple display windows. These windows can consist of multiple digital video windows and up to four analog video windows.

Facility maps are used to identify the location of cameras, domes, PTZ devices, and alarms. Control of these devices occurs directly from the user interface. Operators now have an immediate reference to where things are happening. Better decisions can be made and appropriate actions taken.

VMX300 seamlessly integrates cameras, monitors, switchers, DVRs, PelcoNet transmission systems, input/output devices, and the NVR300. New device drivers can be added to **VMX300** as they become available, without requiring changes to the client/server applications.



(MONITORS NOT INCLUDED. KEYBOARD AND MOUSE MAY DIFFER FROM THOSE SHOWN.)

The **VMX300** system comes pre-loaded with both client and server software, and device drivers (see list of compatible products). Facility maps are provided and installed by the system administrator.

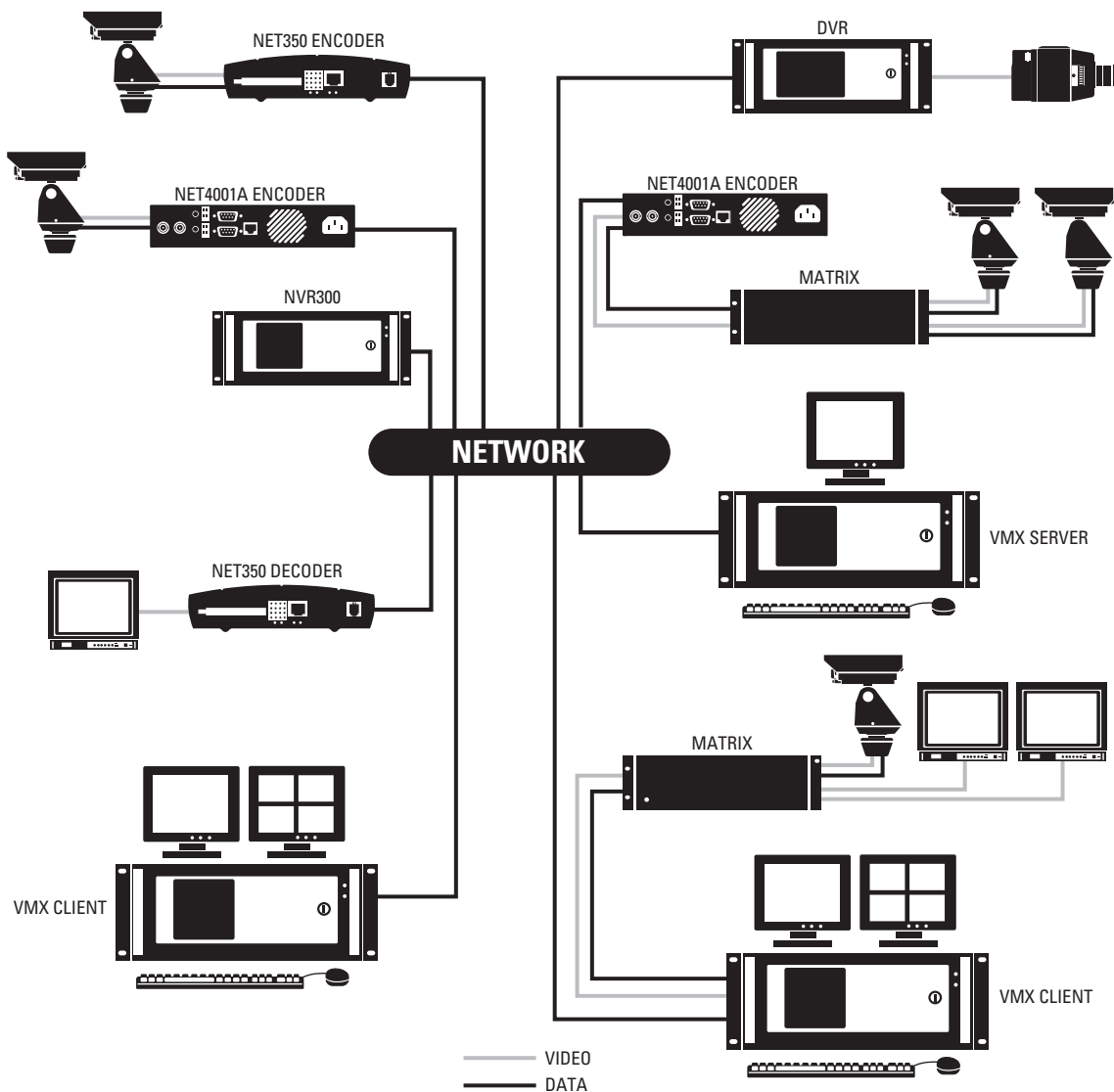
An optional configuration with a quad display allows the operator to view four analog video signals along with other digital video signals on the same monitor. With two monitors located next to each other, an operator has a comprehensive view of the area(s) under surveillance as well as control of the devices within the associated views.

In addition to camera selection and control, the **VMX300** allows you to switch cameras to other monitors in the system, control DVRs and NVRs, program camera features, respond to alarms, and play back recorded video from DVRs and NVRs.

All VMX300 systems require installation by a Pelco Certified Dealer/Installer. This specification sheet may be used for purposes of information only and does not constitute approval or certification of the receiving party. Proof of certification must be provided prior to shipment of VMX300 systems contained herein.



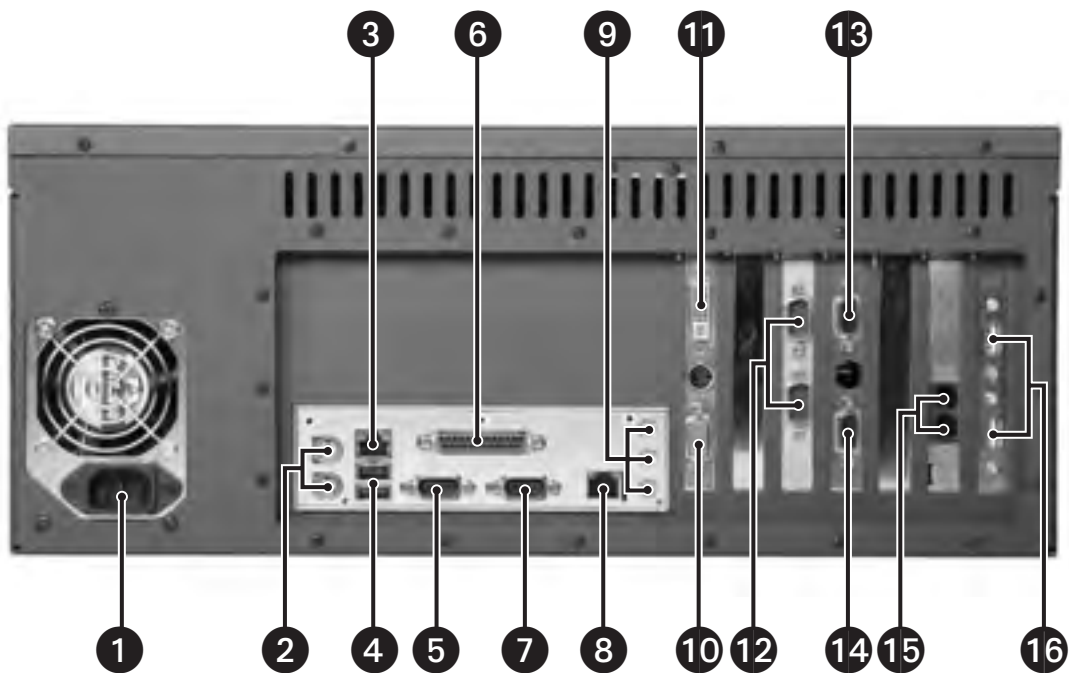
SYSTEM CONFIGURATION



SAMPLE VMX300 SYSTEM

Note: The network implementation is shown as a general representation only and is not intended to show a detailed network topology. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the system as illustrated. Please contact your local Pelco Representative to discuss your specific requirements.

SYSTEM CONFIGURATION



VMX300 WORKSTATION REAR PANEL

Note: A -4 model workstation is shown here. The rear panel connections on the -0 and -1 model workstations will vary slightly. Refer to the VMX300 (-E) installation manual for connection illustrations of each model.

- ❶ POWER
- ❷ MOUSE AND KEYBOARD PORTS (PS/2)
- ❸ SECONDARY ETHERNET PORT (Megabit rate)
- ❹ USB PORTS
- ❺ COM 1 (RS-232)
- ❻ PARALLEL PORT
- ❼ COM 2 (RS-232)
- ❽ PRIMARY ETHERNET PORT (Gigabit rate)
- ❾ AUDIO PORTS
- ❿ VGA MONITOR OUTPUT
- ⓫ VGA DIGITAL VIDEO INTERFACE (DVI) CONNECTOR; USE VGA ADAPTER (SUPPLIED) TO CONNECT VGA MONITOR
- ⓬ COM 3 and COM 4 (RS-422)
- ⓭ VIDEO INPUT/SPIDER CABLE CONNECTOR
- ⓮ VGA MONITOR OUTPUT
- ⓯ MODEM PORTS (Not used)
- ⓰ USB PORTS

TECHNICAL SPECIFICATIONS

MODELS

All VMX300 workstations come with software pre-loaded on a rack-mountable PC; keyboard and mouse are included. Each workstation supports two monitors. (Note: Monitors are not included. A standard VGA or Super VGA monitor can be used.)

A NOTE ON MULTIPLE CLIENTS: If your system requires only one client, the client and server applications can both run on the same workstation. To optimize system performance in a multiple-client system, each client application should run from a dedicated client workstation.

CLIENT/SERVER WORKSTATIONS

VMX300-CSVR workstations include both client and sever software applications. The model comes standard with licensing for the server and client and up to ten cameras. Licenses for up to 100 cameras can be purchased.

VMX300-CSVR-0	Supports digital video windows only
VMX300-CSVR-1	Supports one analog video input/window*, which can be displayed along with digital video signals on the same monitor
VMX300-CSVR-4	Supports four analog video inputs/windows*, which can be displayed along with digital video signals on the same monitor

CLIENT WORKSTATIONS

VMX300-CL workstations include the client software application and the licensing required (five) for the client workstation to connect to the server. Up to ten additional client workstations can be connected to the VMX300 server. Each client added decreases the number of cameras (by five) that you can add.

VMX300-CL-0	Supports digital video windows only
VMX300-CL-1	Supports one analog video input/window*, which can be displayed along with digital video signals on the same monitor
VMX300-CL-4	Supports four analog video inputs/windows*, which can be displayed along with digital video signals on the same monitor

*NOTES:

Analog Windows

The analog video display window described in the -1 and -4 models typically allows operators to view video from a camera, matrix switcher, or other analog video source connected directly to the VMX300 rear panel. -0 models can receive analog video inputs only through PelcoNet video encoders and Pelco DX8000 and DX9000 Series DVRs, using a network connection.

Digital Windows

The number of digital video display windows that can be displayed at one time is limited by the bandwidth required for the size and type of images selected for viewing. Refer to Table B in the VMX300 Software Guide for an overview of the CPU workload and bandwidth used for each type of video stream (the video in a custom window). Warning: System performance will be compromised if the recommended number of video streams is exceeded, or if the PelcoNet settings exceed the recommendations provided in Table B.

VMX300 SOFTWARE LICENSES

The VMX300 can support a maximum of 100 licenses. Licenses can be used for cameras (one each) and clients (five each; supplied with client workstation).

VMX300-LIC-10	10 additional licenses
VMX300-LIC-20	20 additional licenses
VMX300-LIC-50	50 additional licenses
VMX300-LIC-100	100 additional licenses

COMPATIBLE PRODUCTS

Switchers	CM6700, CM6800, CM9760, CM9770, CM9780
PelcoNet Transmission Systems	NET300 Series, NET350 Series, NET4001A
Network Video Recorders	NVR300 Series
Digital Video Recorders	DX8000 and DX9000 Series
External Keyboard	KBD300A
Input/Output Devices	CM9760-ALM Alarm Interface Unit CM9760-REL Relay Interface Unit

ELECTRICAL/VIDEO

Input Voltage	100-240 V, 50/60 Hz, auto-ranging
Signal System	NTSC/PAL
Video Outputs	Supports two monitors (VGA or Super VGA)
Connectors	
PS/2 Mouse and Keyboard	6-pin mini-DIN
VGA Monitor Port	15-pin D-type
Printer Port	25-pin D-type
COM 1 and 2	RS-232, 9-pin D-type
COM 3 and 4	RS-422, 9-pin D-type
Modem	Two RJ-11 ports
Ethernet	Primary (10/100/1000BaseT) RJ-45 Secondary (10/100BaseT) RJ-45
USB	Four

GENERAL

Operating Temperature	41° to 85°F (5° to 29°C)
Relative Humidity	Maximum 80%, non-condensing
Rack Mount Dimensions	7.0" H x 19.0" W x 21.6" D (4 RUs) (17.78 x 48.26 x 54.86 cm)
Unit Weight	34 lb (15.5 kg)
Shipping Weight	53 lb (24 kg)

CERTIFICATIONS

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



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