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## Pelco CM9700-VPP

# Pelco CM9700-VPP 32 Channel Video Patch Panel User Manual

Model: CM9700-VPP

# 1. PRODUCT OVERVIEW

The Pelco CM9700-VPP is a 32-channel video patch panel designed to expand and manage video systems. It features 32 BNC connections, allowing for flexible video input and looping capabilities within a surveillance or video distribution setup. This unit is engineered for efficient integration into existing rack systems, occupying 2/3 of a standard rack unit space.

Included with the CM9700-VPP are two 16-channel coaxial ribbon cables, facilitating direct connection to compatible video equipment.



Figure 1: Front view of the Pelco CM9700-VPP 32 Channel Video Patch Panel. The panel is black with two rows of 16 BNC connectors each, totaling 32 connectors. Rack mounting ears are visible on both sides.

# 2. SETUP AND INSTALLATION

Proper installation ensures optimal performance and longevity of the CM9700-VPP. Follow these steps for setup:

 Rack Mounting: The CM9700-VPP is designed to fit into a standard 19-inch equipment rack. It occupies 2/3 of a rack unit (RU) height. Secure the panel to the rack using appropriate rack screws through the mounting ears on both sides of the unit. Ensure the panel is level and securely fastened to prevent movement.

#### 2. Cable Connections:

- Identify the 32 BNC input/output ports on the front of the panel.
- Connect the provided two 16-channel coaxial ribbon cables to the corresponding ports on the rear of the patch panel and to your video system's input/output modules or DVR/NVR.
- Connect individual BNC cables from your video sources (e.g., cameras, video recorders) to the desired BNC input ports on the front of the CM9700-VPP.
- Connect BNC cables from the output ports of the CM9700-VPP to your video monitors, recording devices, or other distribution equipment as required.

3. **Cable Management:** Organize and secure all connected cables using cable ties or other management solutions to prevent strain on connectors and maintain a tidy installation.

# 3. OPERATING INSTRUCTIONS

The CM9700-VPP is a passive video patch panel, meaning it does not require external power for its primary function. Its operation is straightforward:

- Video Input: To route a video signal into your system, connect the video source (e.g., a camera's BNC output) directly to one of the 32 BNC input ports on the front of the CM9700-VPP. The signal will then be passed through the internal ribbon cable connection to your connected video equipment.
- Video Looping/Output: To loop video out of your system or route it to a display, connect a BNC cable from the desired output port on the CM9700-VPP to the receiving device (e.g., a monitor, another recording device). The panel facilitates the distribution of video signals without degradation.
- **Patching:** The panel allows for quick and easy re-routing of video signals by simply moving BNC cables between different ports on the front of the unit. This flexibility is useful for testing, maintenance, or reconfiguring video paths.

# 4. MAINTENANCE

The Pelco CM9700-VPP is designed for minimal maintenance. Regular checks can help ensure continued reliable performance:

- Cleaning: Periodically clean the exterior of the panel with a soft, dry cloth. Avoid using abrasive cleaners or solvents. Ensure BNC connectors are free of dust and debris.
- Connection Integrity: Routinely inspect all BNC connections for tightness and proper seating. Loose connections can lead to signal loss or degradation.
- Cable Condition: Check the condition of all connected coaxial cables, including the ribbon cables. Look for any signs of wear, kinks, or damage that could affect signal quality.

# 5. TROUBLESHOOTING

If you encounter issues with your CM9700-VPP, consider the following:

## · No Video Signal:

- Verify that the video source (e.g., camera) is powered on and functioning correctly.
- Check all BNC cable connections at the patch panel, the source, and the receiving device. Ensure they are securely fastened.
- Test the BNC cables for continuity and damage. Try swapping cables with known good ones.
- · Ensure the correct input/output ports are being used on the patch panel and connected equipment.

### · Poor Video Quality (Flickering, Noise, Distortion):

- Inspect BNC connectors for corrosion or damage.
- Ensure all cable connections are tight and properly seated.
- · Check for electromagnetic interference (EMI) from nearby electrical equipment. Re-route cables if necessary.
- · Verify that the video source is providing a clean signal.

# 6. Specifications

Feature	Detail		
Model Number	CM9700-VPP		
Channels	32 (BNC inputs/outputs)		
Included Cables	2 x 16-channel coaxial ribbon cables		
Rack Unit Occupancy	2/3 RU		
Product Dimensions (L x W x H)	6 x 16 x 2 inches (approximately)		
Item Weight	4.09 pounds		
Manufacturer	Pelco		
Date First Available	March 9, 2010		

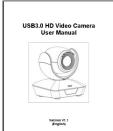
# 7. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service for your Pelco CM9700-VPP, please refer to the official Pelco website or contact Pelco customer service directly. Keep your purchase receipt and product serial number (if applicable) handy when seeking support.

Official Pelco Website: www.pelco.com

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# Related Documents - CM9700-VPP



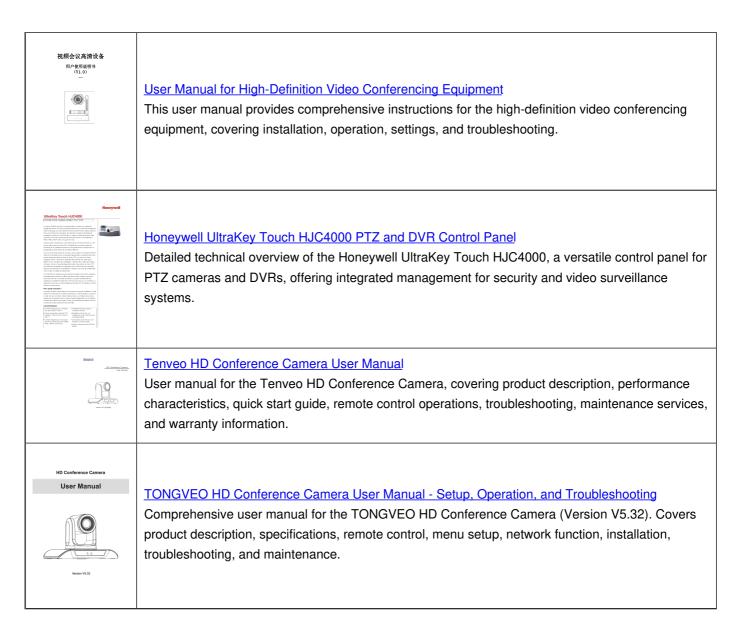
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Comprehensive user manual for the USB3.0 HD Video Camera (Model J.BC.0205.0084), covering safety guidelines, accessories, quick start, product highlights, specifications, camera interface, remote control, learning function, VISCA and PELCO protocols, OSD menu, and UVC control.

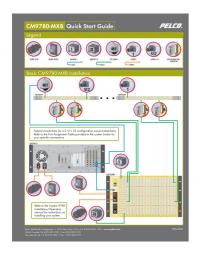


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Documents - Pelco - CM9700-VPP



[pdf] User Manual Quick Start Guide Instructions Guide

C1567M PEL CM9780MXB Quick Start Guide s3 absupply net amazonaws Pelco ||| CM9780-MXB Quick Start Guide Legend 481 POWER CORD POWER SWITCH MONITOR 1 DATA MONITOR 32 VIDEO PTZ CAMERA Basic CM9780-MXB Installation 1 CAMERA 1 POWER 481 **CM9700-VPP** 512 1 **CM9700-VPP** 512 CAMERA 512 VIDEO RIBBON CABLE CONNECTOR A A Typical connections for a 512 x 32 configuration a...

lang:en score:41 filesize: 341.17 K page\_count: 1 document date: 2005-04-11



Pelco CM9770 Series HD Matrix 2048x512 spec C1555 Control Site Equipment Switchers CM9700 VPP Index of worldeyecam |||

PRODUCT SPECIFICATION control site CM9770 Series Matrix
MICROPROCESSOR-BASED SWITCHER/CONTROLLER, ... 9700-SER-32 MATRIX
BAY CM9770-MXB CM9700-MPS CM9770-DFC CM9770-VCC CM9770-RPC
CM9770-VMC CM9770-RPM CM9700-VPP CM9700-CBL-06FT CM9700-CBL-10FT
CPU controller. Operates on 120 VAC, 60 Hz or 230 VAC, 5...

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Pelco System 9770 manual C1555MG CM9770L Series Manual 960X16 High Density Looping surveillance video media lanot attachments customimport |||

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Pelco System 9780 manual surveillance video equipment generates uses and can radiate radio frequency energy and if not installed used in accordance with the instruction may cause harmful interference to communications Operation of this a residential area likely CM9780 Series Manual media lanot attachments customimport

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## [pdf] User Manual Accessories

Pelco CM9700MDD EVS Matrix Digital Decoder manual Control Site Equipment Switchers CM9700
Series gmatthews Marine Radio User Manual 7269332 archive org manualzilla id
INSTALLATION/OPERATION CM9700MDD-EVS Matrix Digital Decoder C1570M-C
5/06 Contents Regulatory N ... CM9770-MXB rear panel, as shown in Figure 14. In a
System 9780, video input connectors are on the CM9700-VPP panel, as shown in
Figure 15. NOTE: The distance from the CM9700MDD-EVS to the matrix bay...
lang:fr score:30 filesize: 4.46 M page\_count: 54 document date: 2006-05-25



## [pdf] Specifications Accessories

Pelco CM9780 Series Matrix 4096x512 spec C1566 Control Site Equipment Switchers CM9700 PEL CM9700VPPRK Index of worldeyecam |||

PRODUCT SPECIFICATION control site CM9780 Series Matrix MICROPROCESSOR-BASED SWITCHER/CONTROLLER, ... d will support modules for up to 512 camera inputs and 32 monitor outputs. Cameras are connected to CM9700-VPP patch panels, which are then connected to the matrix bay with video ribbon cables. Monito...

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CM9780 Series Matrix C1566 spec 110210 Ilinarez vlane Specsheet Pelco 224X128 High Density System surveillance video media lanot attachments customimport |||

PRODUCT SPECIFICATION analog systems and controls CM9780 Series Matrix MICROPROCESSOR-BASED SWITCH ... d will support modules for up to 512 camera inputs and 32 monitor outputs. Cameras are connected to **CM9700-VPP** patch panels, which are then connected to the matrix bay with video ribbon cables. Monito...

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CM9780 Series Matrix C1566 spec 110210 Ilinarez vlane CM9780L Specsheet Pelco 96X112 High Density System Looping surveillance video media lanot attachments customimport ||| PRODUCT SPECIFICATION analog systems and controls CM9780 Series Matrix MICROPROCESSOR-BASED SWITCH ... d will support modules for up to 512 camera inputs and 32 monitor outputs. Cameras are connected to CM9700-VPP patch panels, which are then connected to the matrix bay with video ribbon cables. Monito...

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#### [pdf]

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3500 Pelco Way Clovis, California 93612 USA 800 289-9100 USA Canada Phone 800 289-9150 USA C ... -KIT CM9700 CM9700-ADP-120 CM9700-CBL-06FT CM9700-CBL-10FT CM9700-CC1-VID CM9700-SER CM9700-SER-32 **CM9700-VPP CM9700-VPP**-RK CM9700MDDEVSKIT CM97MDDEVSCNKIT CM9700UTP16A CM9700UTP32A-US CM9760 CM9760...

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## [pdf] Specifications Accessories

Pelco CM9770 Series HD Matrix 2048x512 spec C1593 CM9765 113009 fm Ilinarez SYSTEM COMPONENTS AND ACCESSORIES MODELS CONTROLLER CM9700 CC1 CPU controller operates on 120 VAC 60 Hz or 230 50 4 RUs SER Serial communication card RS 422 SERCOM PD521422 worldeyecam PELCO |||

PRODUCT SPECIFICATION analog systems and controls CM9765 Series Matrix MICROPROCESSOR-BASED SWITCH ... MATRIX BAY CM9765-MXB CM9700-MPS CM9765-DFC CM9765-VCC CM9765-RPC CM9765-VMC CM9765-RPM CM9765-RPS **CM9700-VPP** CM9700-CBL-06FT CM9700-CBL-10FT CPU controller; operates on 120 VAC, 60 Hz or 230 VAC, 5...

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Pelco CM9770 Series HD Matrix 2048x512 spec C1593 CM9765 113009 fm Ilinarez Specsheet VCC 32 Input Video Camera Card surveillance video media lanot attachments customimport ||| PRODUCT SPECIFICATION analog systems and controls CM9765 Series Matrix MICROPROCESSOR-BASED SWITCH ... MATRIX BAY CM9765-MXB CM9700-MPS CM9765-DFC CM9765-VCC CM9765-RPC CM9765-VMC CM9765-RPM CM9765-RPS CM9700-VPP CM9700-CBL-06FT CM9700-CBL-10FT CPU controller; operates on 120 VAC, 60 Hz or 230 VAC, 5...

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SYSTEM COMPONENTS AND ACCESSORIES The CM9760 keyboard controller allows the user to control system includes a variable speed vector solving joystick with zoom knob for PD521375 objects eanixter |||

SYSTEM COMPONENTS AND ACCESSORIES MODELS CONTROLLER CM9700-CC1 CM9700-SER CM9700-SER-32 MATRIX BAY CM9780-MXB CM9700-MPS CM9780-DFC CM9780-VCC CM9780-RPC CM9780-VMC CM9780-RPM **CM9700-VPP** CM9700-VPP-RK CM9700-CBL-06FT CM9700-CBL-10FT CPU controller. Operates on 120 VAC, 60 Hz or 230 VAC, 50 Hz. 4 ...

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Part Number Description State of Texas DIR - Hardware, Software Related Services for Surveillance, ... 9700UTP16A-US 16 CH ACTIVE HUB, 1 OUTPUT 1 RIB US CM9700UTP32A-US 32 CH ACTIVE HUB,2 OUTPUT,2 RIB **CM9700-VPP** 32 CH VIDEO PATCH PANEL **CM9700-VPP**-RK RACK FOR MOUNTING 16 **CM9700-VPP** S CM9740-UPG-00...

lang:es score:12 filesize: 588.58 K page\_count: 178 document date: 2020-05-08