



# PMM9A/PMM12A/PMM15A/PMM20A Monitor

## 9-/12-/15-/20-INCH BLACK-WHITE, HIGH RESOLUTION

### Product Features

- High Resolution
- Front Panel Controls
- Built-in Carrying Handles
- Optional Rack Mounting
- 96-256 VAC Input, Auto Ranging
- 75-Ohm/High-Impedance Termination Switch on Rear
- For Use with Video Security Type Cameras
- EIA/CCIR, Auto Sensing



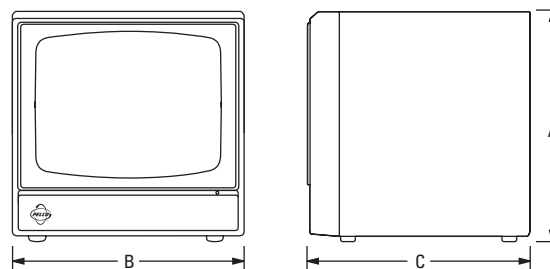
The **PMM9A/PMM12A/PMM15A/PMM20A** are high resolution black-white video monitors designed for use with video security type cameras and can be used in desktop applications or rack mounted in a standard 19-inch rack (except PMM20A) using the optional easy-to-assemble rack mount kits available.

These monitors produce high resolution greater than 1,000 lines, high contrast pictures on either a 9-inch (22 cm), 12-inch (30 cm), 15-inch (38 cm), or 20-inch (50 cm) diagonal screen. The monitors accept 120/230 VAC input and are auto-sensing for EIA/CCIR video format.

The cabinets are made of steel for ruggedness and durability, and with the exception of the picture tube, the circuitry is all solid-state. All models also feature video loop-through connectors with switchable high-Z/75-ohm termination.

Monitor controls are located on the front panel. The PMM9A, PMM12A, and PMM15A have controls for brightness, contrast, vertical and horizontal hold, and AC power. The PMM20A has controls for brightness, contrast, and AC power. Vertical and horizontal hold are controlled internally.

The monitors provide the optimum solution for a variety of CCTV surveillance applications where clear, high quality pictures and proven system reliability are required.



MODEL	A	B	C
PMM9A	9.3 (23.5)	8.7 (22.0)	9.9 (25.2)
PMM12A	12.3 (31.3)	12.2 (31.0)	12.0 (30.5)
PMM15A	12.8 (32.6)	14.3 (36.2)	13.1 (33.2)
PMM20A	18.6 (47.3)	19.3 (49.0)	14.2 (36.1)

NOTE: VALUES IN PARENTHESES ARE CENTIMETERS;  
ALL OTHERS ARE INCHES.



C2902 / NEW 10-02



International Standards  
Organization Registered Firm;  
ISO 9001 Quality System



# TECHNICAL SPECIFICATIONS

## MODELS

PMM9A	Black-white monitor, 9-inch (22 cm) picture display, EIA/CCIR, auto-sensing
PMM12A	Black-white monitor, 12-inch (30 cm) picture display, EIA/CCIR, auto-sensing
PMM15A	Black-white monitor, 15-inch (38 cm) picture display, EIA/CCIR, auto-sensing
PMM20A	Black-white monitor, 20-inch (50 cm) picture display, EIA/CCIR, auto-sensing

## ELECTRICAL

Input Voltage	96-256 VAC, 50/60 Hz, auto-ranging
Power Consumption	
PMM9A	8 watts
PMM12A	30 watts
PMM15A	35 watts
PMM20A	48 watts
Input Signal	0.5 to 2.0 Vp-p, composite video
Input Impedance	75 ohms or high (switchable)
Bandwidth	100 Hz to 10 MHz
Resolution	>1,000 lines
Linearity	
Horizontal	10% maximum
Vertical	10% maximum
Operating System	
EIA	
Horizontal	15,750 Hz $\pm$ 400 Hz
Vertical	60 Hz
CCIR	
Horizontal	15,625 Hz $\pm$ 400 Hz
Vertical	50 Hz

## GENERAL

Environment	Indoor
Construction	Steel cabinet with black plastic front
Finish	Black matte texture coat finish
Picture Tube Dimension	(Measured diagonally)
PMM9A	9 inches (22.86 cm)
PMM12A	12 inches (30.48 cm)
PMM15A	15 inches (38.10 cm)
PMM20A	20 inches (50.80 cm)
Unit Weight	
PMM9A	10.5 lb (4.8 kg)
PMM12A	17.5 lb (7.9 kg)
PMM15A	24.2 lb (10.9 kg)
PMM20A	44.3 lb (20.1 kg)
Shipping Weight	
PMM9A	13 lb (5.9 kg)
PMM12A	20 lb (9.07 kg)
PMM15A	28 lb (12.7 kg)
PMM20A	47 lb (21.3 kg)

## ENVIRONMENTAL

Operating Temperature	32° to 122°F (0° to 50°C)
Storage Temperature	14° to 140°F (-10° to 60°C)
Relative Humidity	10% to 95%, non-condensing

## CERTIFICATIONS

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

## RECOMMENDED MOUNTS

RMA901	Rack kit, 10.5" H (6 RUs), for mounting one or two PMM9A monitors in a 19" W (48.26 cm) rack. Includes one blank panel to cover unused opening.
RMA1201	Rack kit, 15.75" H (9 RUs), for mounting one PMM12A monitor in a 19" W (48.26 cm) rack.
RMA1501	Rack kit, 14" H (8 RUs), for mounting one PMM15A monitor in a standard 19" W (48.26 cm) rack.



### Pelco Worldwide Headquarters:

3500 Pelco Way, Clovis, California 93612-5699 USA

**USA & Canada** Tel: (800) 289-9100 • FAX (800) 289-9150

**International** Tel: (559) 292-1981 • FAX (559) 348-1120

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