

300 Series Flat Panel, TFT LCD Monitor

15-INCH, 17-INCH, 19-INCH MONITORS WITH MULTIMODE FUNCTIONALITY

Product Features

- Space-Saving, Flat Panel Design
- Picture-Frame-Style Desktop Stand
- Looping Composite and S-Video Inputs
- VGA Input
- Supports up to 1280 x 1024 SXGA Resolution (PMCL319, PMCL317), 1024 x 768 Resolution (PMCL315)
- Maximum Brightness of 380 cd/m² (PMCL319), 400 cd/m² (PMCL317), 350 cd/m² (PMCL315)
- Maximum Contrast Ratio of 500:1
- Maximum Response Time of 8 ms (PMCL319, PMCL317), 16 ms (PMCL315)
- 100/240 VAC, 60/50 Hz Autoranging Internal Power Supply
- Low Power Consumption (<50 W)
- Internal Speakers
- Optional Rack, Wall, Ceiling, and Camera Mounts



The **300 Series** LCD monitors, designed specifically for the security industry, provide high resolution display of computer signals and/or composite video. These 17- and 19-inch monitors have a color LCD panel with a thin film transfer (TFT) active matrix. The monitors automatically adapt to the appropriate input resolution (up to 1280 x 1024).

The **300 Series** provides looping composite (BNC) and S-Video inputs. Additionally, these models provide a VGA input to support the use of DVRs (digital video recorders) and PC applications. This multimode functionality—combined with a quick panel response time to minimize ghosting in motion video, ergonomic design, autoranging internal power supply, and low power consumption—makes the **300 Series** ideal for applications requiring a VGA display with composite video capabilities.

The **300 Series** features a folding picture-frame-style desktop stand, optional rack mount kits, and VESA®-compliant mounting holes to easily adapt to different wall and ceiling mounts.

These monitors automatically detect and display the correct video format (NTSC or PAL) and are powered by an internal autoranging power supply.

The **300 Series** uses four long life CCFT (cold cathode fluorescent tube) backlights to maintain the brightness level over time, eliminating the brightness degradation common in aging CRT monitors.

Adjustments of standard monitor display parameters are made using user-friendly, on-screen menus and front panel controls.



TECHNICAL SPECIFICATIONS

MODELS

PMCL315	15-inch (381 mm) active TFT LCD monitor, multimode
PMCL317	17-inch (432 mm) active TFT LCD monitor, multimode
PMCL319	19-inch (483 mm) active TFT LCD monitor, multimode

GENERAL

LCD Panel Pixel Array	
PMCL315	1024 x 768, 75 Hz
PMCL317, PMCL319	1280 x 1024, 75 Hz
Panel Aspect Ratio	
PMCL315	4:3
PMCL317, PMCL319	4:3 composite, 5:4 VGA
Viewing Area	
PMCL315	304 x 228 mm
PMCL317	338 x 270 mm
PMCL319	376 x 301 mm
Pixel Pitch	
PMCL315	0.297 x 0.297 mm
PMCL317	0.264 x 0.264 mm
PMCL319	0.294 x 0.294 mm
Brightness	
PMCL315	350 cd/m ²
PMCL317	400 cd/m ²
PMCL319	380 cd/m ²
Contrast Ratio	500:1
Backlight Type	4 CCFL
Panel Lamp Life	40,000 hours
Viewing Angle (H/V)	
PMCL315	140°/125°
PMCL317	140°/130°
PMCL319	150°/130°
Tilt	<10° to >45°
Display Colors	
PMCL315, PMCL317	16.2 million
PMCL319	16.7 million
Response Time	
PMCL315	16 ms
PMCL317, PMCL319	8 ms
Speakers	Integrated, 2 x 1.0 W
Front Panel Controls	Video input, menu (up, down, left, right), power, front panel lockout
Indicators	LED (power on, standby, sleep), on-screen ("no signal")

ELECTRICAL

Input Voltage	100-240 VAC, 50/60 Hz, internal power supply
Power Consumption	<50 W (on), <5 W (standby)
Input Interfaces	
Video*	1, BNC, looping; 1, S-Video, looping, VGA
Audio	1 (L/R), RCA, looping
Horizontal Frequency	
PMCL315	30 kHz to 60 kHz
PMCL317, PMCL319	30 kHz to 80 kHz
Vertical Frequency	56 Hz to 75 Hz
Sync Format	NTSC/PAL autosensing

*Maximum VGA resolution is 1024 X 768 on the PMCL315 and 1280 X 1024 on the PMCL317 and PMCL319.

PHYSICAL

Dimensions	
PMCL315	2.9" D x 13.7" W x 11.8" H (7.4 x 34.7 x 29.9 cm)
PMCL317	3.2" D x 15.0" W x 13.4" H (8.0 x 38.1 x 34.1 cm)
PMCL319	3.3" D x 16.6" W x 14.7" H (8.3 x 42.1 x 37.4 cm)
Unit Weight	
PMCL315	9.6 lb (4.4 kg)
PMCL317	12.4 lb (5.6 kg)
PMCL319	14.5 lb (6.6 kg)
Shipping Weight	
PMCL315	13.0 lb (5.9 kg)
PMCL317	16.0 lb (7.3 kg)
PMCL319	19.0 lb (8.6 kg)

ENVIRONMENTAL

Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Operating Humidity	20% to 85%, noncondensing
Storage Humidity	5% to 90%, noncondensing

RECOMMENDED MOUNTS

Wall Mounts	PMCL-WM, PMCL-WMT, PMCL-WM1A, PMCL-WM2A
Ceiling Mounts	PMCL-CM, PMCL-CMP
Rack Mounts	PMCL-RM15, PMCL-RM17, PMCL-RM19
Camera Mount	CM1750-PVM (Public View Mount)

Note: The 300 Series are VESA MIS-D, 100/75, C-compliant monitors equipped with a 100 x 100 mm mounting hole pattern. The 300 Series features a 1/4-inch UNC-20 mounting hole on the top and bottom of the monitor for attaching a camera mount.

OPTIONAL ACCESSORIES

PMVC4	Multiviewer; displays up to four composite video images on a single monitor using a VGA (analog) or DVI (digital) interface. A maximum of 15 units can be cascaded together to provide up to 60 video windows.
PMVR2	Multiviewer; displays video from up to two VGA or two DVI inputs (or one of each) on a single monitor using a VGA or DVI interface. A maximum of 15 units can be cascaded together to provide up to 30 video windows.

CERTIFICATIONS

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



DESKTOP STAND



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