

# 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/m<sup>2</sup> (PMCL319), 400 cd/m<sup>2</sup> (PMCL317), 350 cd/m<sup>2</sup> (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 <sup>2</sup>   |
| PMCL317               | 400 cd/m <sup>2</sup>   |
| PMCL319               | 380 cd/m <sup>2</sup>   |
| 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<br>(7.4 x 34.7 x 29.9 cm) |
| PMCL317         | 3.2" D x 15.0" W x 13.4" H<br>(8.0 x 38.1 x 34.1 cm) |
| PMCL319         | 3.3" D x 16.6" W x 14.7" H<br>(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
- FCC, Class B
- UL/cUL Listed



DESKTOP STAND



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