

# MON171CL

## 17-inch Color LCD Flat Panel Display Monitor



### Security Systems



- Provides 500 TV Lines Resolution
- Loop-through Composite Video, Y/C (S-video) and Audio Inputs
- Analog VGA Input
- Space Saving, Compact Design
- 50% Less Power Consumption than Conventional CRT Monitors
- NTSC & PAL Formats
- Picture-in-Picture Feature
- Universal Power Source
- Front Panel Control Lockout
- On-Screen Display (OSD) for Setup and Adjustment

The MON171CL is a high resolution, high performance liquid crystal display (LCD) video display monitor.

Available in an ergonomic, aesthetically pleasing design, this state-of-the-art monitor includes a 43-cm (17-inch) color thin film transistor (TFT) active matrix LCD panel with 1280 by 1024 pixels. Designed for the CCTV security marketplace, the MON171CL monitor includes two looping composite video inputs, two looping audio inputs, and one looping Y/C input.

Additionally, this model includes an analog VGA input to accommodate the increasing use of PC's and digital video devices in security applications. To enhance the multi-input capability, a "picture-in-picture" function has been added, allowing any of the composite video or Y/C inputs to be inserted into each other, or into the VGA input display when operating in the analog VGA mode.

Adjustment of standard monitor display parameters is made user-friendly via on-screen menus (available in several languages), and front panel controls. For additional security, the MON171CL includes a front panel lockout feature that disables the front panel control buttons.

Using long-life fluorescent backlights, the brightness level is maintained over time, because the LCD monitor design avoids the brightness degradation experienced with aging CRT-type monitors. It also provides a sharp display, free of the annoying flicker prevalent in CRT monitors, allowing longer use of your LCD monitor with little or no eyestrain. The versatile design allows it to automatically accept NTSC and PAL signal formats, and power supply voltages from 90 to 264 VAC.

Its compact styling, including an LCD panel width of 84 mm (3 inches), makes the MON171CL the color monitor of choice for large screen, space limited applications. With its wide range viewing angle, 140° in horizontal and 140° in the vertical direction, the unit can be properly viewed whether installed on a desktop, wall mounted, or rack mounted in a standard 19-inch EIA rack.

Electrical	
<b>Rated Voltage</b>	120/230 VAC, 50/60 Hz
<b>Voltage Range</b>	90 to 264
<b>Power at Rated Voltage</b>	38 W
<b>Sync Format</b>	PAL/NTSC
<b>LCD Panel</b>	TFT LCD
<b>Screen Size</b>	338.0 (H) x 270.3 (V) mm (13.3 x 10.6 in)
<b>Viewable Picture Area</b>	43 cm (17 in) measured diagonally
<b>Pixel Pitch</b>	0.264 (H) x 0.264 (V) mm
<b>Resolution</b>	1280 x 1024 pixels; 500 TV Lines Typical
<b>Aspect Ratio</b>	4:3 (Composite Video); 5:4 (VGA)
<b>Display Colors</b>	6 bits Interface; 16 million colors
<b>Backlight</b>	Four (4) cold Cathode Fluorescent Tubes, rated life 50,000 hours, at 50% brightness

Optical Characteristics	
<b>Luminance</b>	350 cd/m <sup>2</sup>
<b>Contrast Ratio</b>	400:1
<b>Viewing Angle</b>	140° horizontal, 140° vertical

Video Input	
<b>Composite Video (CVBS)</b>	1.0 V <sub>p-p</sub> (0.5-1.5 V <sub>p-p</sub> ), Automatic switching from 75 Ω unbalanced termination to Hi-Z with loop-through operation

<b>Y/C (S-video)</b>	1.0 V <sub>p-p</sub> (0.5-1.5 V <sub>p-p</sub> ), Automatic switching from 75 Ω unbalanced termination to Hi-Z with loop-through operation
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<b>Picture-in-Picture</b>	CVBS 1, CVBS 2, S-VHS
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VGA Input	
<b>Analog RGB</b>	0.7 V <sub>p-p</sub> (0.5-1 V <sub>rms</sub> )
<b>Picture-in-Picture</b>	CVBS 1, CVBS 2, S-VHS

VGA Timing Modes		
	640 x 480	60/72/75 Hz
	800 x 600	56/60/72/75 Hz
	1024 x 768	60/70/75Hz
	1280 x 1024	60/75Hz

<b>Audio Input</b>	1.0 V line level
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<b>Audio Output</b>	Loop-through Line Level Speaker: Two (2), 1 W
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Controls	
<b>Front Panel</b>	Push-buttons
<b>Input</b>	Selects CVBS 1, CVBS 2, Y/C, or VGA Input
<b>Menu</b>	Selects On-Screen Display (OSD) ▲ Up Cursor, Brightness Select ▼ Down Cursor, Contrast Select ◀ Adjustment Decrease ▶ Adjustment Increase
<b>Power</b>	On/Off
<b>Front Panel Lockout</b>	Multiple Push-button combination

On-Screen Display	
<b>CVBS</b>	Tint (NTSC only), Color, Default, Language, Channel Title, 3-D Comb Filter, AGC, Underscan, PIP Menu, Power-on Options, Volume, Exit
<b>VGA</b>	Auto Set, Display Setting, Color Temperature, Language, Volume, Default, PIP Menu, Power-on Options, VGA Timing, Exit

Indicators	
<b>LED</b>	Power On (green), Standby (amber), Sleep Mode (flashing amber)
<b>On-Screen</b>	"No Signal" (flashing)

Connectors	
<b>Input 1</b>	Composite Video: Two (2) BNC (1 in, 1 out) Audio: Two (2) RCA (1 in, 1 out)
<b>Input 2</b>	Composite Video: Two (2) BNC (1 in, 1 out) Audio: Two (2) RCA (1 in, 1 out)
<b>Y/C (S-video)</b>	Two (2) Mini-DIN, 4-pin (1 in, 1 out)
<b>VGA</b>	One (1) 15-pin D-sub
<b>Power Cord</b>	Two (2), 3-wire with grounded plug, 1.8 m (6 ft) long; one (1) with European Continental plug type and one (1) with U.S. plug type

Mechanical	
<b>Cabinet</b>	Material: ABS94V0 plastic Finish: Charcoal
<b>Dimensions</b>	
LCD Panel with Base	440 (W) x 196 (D) x 428 (H) mm (17.3 x 7.7 x 16.9 in)
LCD Panel Only	440 (W) x 84 (D) x 375 (H) mm (17.3 x 3.3 x 14.8 in)
<b>Weight</b>	LCD Panel with Base: 6.8 kg (14.9 lb) LCD Panel Only: 5.4 kg (11.9 lb)
Environmental	
<b>Temperature</b>	Operating: 0°C to +40°C (+32°F to 104°F) Storage: -20°C to +60°C (-4°F to 140°F)
<b>Humidity</b>	10% to 95%, noncondensing
Product Regulatory Compliance	
<b>Electromagnetic Compatibility (EMC)</b>	
	Complies with FCC Part 15, ICES-003, and CE regulations
<b>Product Safety</b>	Complies with CE regulations, UL, CSA, EN, and IEC Standards
Accessories	
MON151PS Power Supply	120/220 VAC, 50/60 Hz input, 12 VDC, 4.0 A output. Used for operation away from the base
MON171RK Rack Mount Kit	For mounting one MON171CL monitor in an EIA standard 19-inch rack 1 unit wide by 9 rack units high

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