

UML-19P-90 19-inch Color LCD Display Monitor (VGA)



The Bosch UML-19P-90 is a 19-inch, high-resolution LCD monitor with analog (VGA) and digital (DVI) inputs for use with digital video recorders (DVR) and PC applications. The monitor is equipped with a color liquid crystal display (LCD) flat screen display panel with a horizontal and vertical viewing angle of 160°, providing comfortable, clear viewing whether placed on a desktop, wall mounted, or rack mounted. In addition, the monitor has two (2) internal speakers for tracking audio with the incoming video signal.

Functions

Excellent image quality

The Bosch UML-19P-90 LCD monitor automatically adapts to the input resolution of the incoming video signal (up to 1280 x 1024 pixels or 1.3 Megapixels). The monitors' analog VGA input easily accommodates the widespread use of PCs in today's security surveillance systems. The high contrast ratio (800:1) and high brightness rating (300 cd/m²) offers excellent color accuracy and imaging for easier viewing and interpretation of images. The panel refreshes every five milliseconds, so you get crisp, clear images with less smearing - and less image "ghosting" in fast-motion video.

- Supports up to 1280 x 1024 resolution-1.3 Megapixels
- ► Maximum brightness of 300 cd/m²
- Maximum contrast ratio of 800:1 for excellent color accuracy and consistency
- Minimum response time of five ms reduces smearing and ghosting
- 100/240 VAC, 50/60 Hz auto-ranging internal power supply
- ► Low power consumption (less than 40 W)
- ► VGA and DVI inputs for DVR or PC applications
- Optional rack and wall mounts

Key benefits of LCD monitor

Long-life fluorescent backlights help avoid luminance degradation on the LCD monitor – so it easily maintains its brightness level over time. This is an advantage over aging CRT-type monitors that become progressively dimmer. The consistent brightness also provides a sharp display image, without the constant flickering that you typically see in CRT monitors. This allows you to use the LCD monitor longer without eyestrain or excessive fatigue.

Additional advantages

The Bosch UML-19P-90 LCD monitor also features:

- Low power consumption
- Automatic adaptation to fluctuating electricity loads while protecting your circuitry
- Standard 100 mm (3.9 in.) mounting holes to easily accommodate a range of VESA wall mounts
- User-friendly, on-screen menus and bottom panel controls for adjusting monitor display parameters to your specific preferences

Certifications and Approvals

Electromagnetic Compatibility (EMC)	Complies with FCC Part 15, ICES-003, and CE regulations
Product Safety	Complies with CE regulations, UL, CSA, EN, and IEC standards

Technical Specifications		
Electrical		
Rated Voltage	120/230 VAC, 50/60 Hz	
Voltage Range	100-240 VAC	
Power at Rated Voltage	40 W operation, 3 W standby	
Sync Format	Separator Sync (H, V sync)	
LCD Panel	TFT LCD	
Screen Size (H x V)	376.0 x 301.0 mm (14.8 x 11.9 in.)	
Viewable Pic- ture Area	19 in. (482 mm) measured diagonally	
Pixel Pitch: (H x V)	0.294 x 0.294 mm (0.01 x 0.01 in.)	
Resolution	Up to 1280 x 1024 pixels	
Aspect Ratio	5:4	
Display Colors	8-bit interface; 16.7 million colors	
Response Time	5 ms	
Backlight	Four (4) cold cathode fluorescent tubes, rated life 50,000 hours	
LCD Panel Optical Characteristics		
Luminance	300 cd/m ² , anti-glare, hard-coating treatment	
Contrast Ratio	800:1	
Viewing Angle	160°/160°	
PC Input		
Analog RGB	0.7 Vp-p (0.5–1 Vrms)	
PC Timing Mod	es	
640 x 480	60/72/75 Hz	
800 x 600	60/72/75 Hz	
1024 x 768	60/70/75 Hz	
1280 x 1024	60/75 Hz	
Controls		
Video Input		
D-44 D I	D. I. I. III	

Bottom Panel	Push-buttons
Input	Selects: VGA, DVI
Menu	Selects on-screen display (OSD), up cursor, down cursor/auto adjust, input select, left cursor, right cursor, audio mute
Power	On/Off

On-screen Display

PC Mode	Auto adjust, Screen, Color, Utility, Language, OSD, Au-
	dio

Indicators		
LED	Power On (green) Standby (red) Unsupported Mode (green) Power Off (red)	
On-screen	VGA, DVI: Check input signal	
Connectors		
Audio	PC: one (1) 1/8 in. mini phono plug	
RGB, DVI	One (1) VGA cable included One (1) DVI—D cable included	
Power Input	5.5 mm DC input jack	
Power Adapter (included)	Input: 100–240 VAC, 50/60 Hz Output: 12 VDC, 4.16 A	
Mechanical		
Cabinet Material	ABS plastic	
Finish	Black	
Mount	Wall mounting compatible with standard bracket, 100 mm (3.9 in.) centers, M4 thread	
Dimensions (W x H x D)		
Monitor with Base	430 x 428 x 200 mm (16.9 x 16.9 x 7.9 in.)	
Monitor Only	430 x 374 x 60 mm (16.9 x 14.7 x 2.4 in.)	
Weight		
Monitor with Base	5.9 kg (13.1 lb)	
Monitor Only	5.1 kg (11.2 lb)	
Environmental		
Operating Temperature	0°C to 40°C (32°F to 104°F)	
Storage Tem- perature	-20°C to 60°C (-4°F to 140°F)	
Humidity	Maximum 90%, non-condensing	

Parts Included

One (1) Bosch General Purpose Color LCD Flat Panel Monitor One (1) VGA to VGA cable

One (1) DVI-D to DVI-D cable One (1) Audio cable PC-style

One (1) Power adapter

Two (2), 3-wire power cords with a grounded plug: one (1) with a European/Continental plug type and one (1)

with a U.S. plug type

Ordering Information

UML-19P-90 19-inch LCD Flat Panel Monitor

UML-19P-90

19-inch (483 mm) color LCD monitor, 1280 X 1024 resolution, VGA, DVI, audio, 120/230 VAC, 50/60 HZ

Accessories

UMM-LW-30B Swivel/Tilt Wall Mount

UMM-LW-30B

Swivel/Tilt wall mount for flat panel LCD monitors, black

UMM-LW-20B Fixed Wall MountFixed wall mount for flat panel LCD monitors, black

UMM-LW-20B

UMM-LCDUB-RM Rack Mount Bracket for LCD Monitors

UMM-LCDUB-RM

Supports dual 8.4-in. and single 8.4- to 19-in. LCD monitors in a standard VESA rack cabinet

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