ComX Computers
Product Specification Sheet

UML-172-90

Bosch UML-172-90 Color LCD Display Monitor (17")

Product Overview

Bosch 17-INCH COLOR LCD MONITOR, 1280 x 1024 RESOLUTION, VGA, DVI, HDMI, CVBS, AUDIO, 120/230VAC, 50/60 HZ



Specifications

Overview:

The Bosch UML-172-90 Color LCD Display Monitor (17") comes with a liquid-crystal TFT color LCD screen panel and delivers high-quality images at a resolution of up to 1280 x 1024 (500TVL) with accurate colors. It features analog RGB mode, a digital DVI input, and an HDMI input for using PCs and digital video units in security applications. It offers a high contrast ratio of 1000:1, a high brightness level of 300 cd/m², and a viewing angle of 160 x 160 degrees (H x V), and can automatically adapt to the input resolution of the incoming video signal.

With the picture-in-picture function, the UML-172-90 Monitor can display two pictures in one frame, and also allows any composite video or Y/C input to be inserted into the RGB/DVI/HDMI input display, thereby enhancing the multi-input capability.

The fluorescent backlights ensure a consistent brightness level by avoiding luminance degradation on the monitor to deliver sharp images, so that you can use the monitor for a longer period without eyestrain or excessive fatigue. You can also implement the trigger warning mechanism with compatible CCTV video camera via the trigger signal input function.

Dot crawl is reduced using the 3D Comb filter to ensure a sharp picture with less noise. De-interlace circuitry converts interlaced video, such as common analog television signals or 1080i format HDTV signals, into a non-interlaced form. While multi-language OSD (On-screen Display) offers intuitive and convenient interface for easy operation, the front panel can be used to make any necessary OSD adjustments and disables the front-panel buttons to prevent tampering.

With the auto-switching feature, the LCD monitor can automatically switch to and display an available input signal. It includes VGA input for DVR or PC applications, 2 composite BNC inputs for composite video inputs, and loop-through outputs.

The versatile designed LCD monitor can be mounted on a desktop, wall, or rack, and is suitable for use with analog video, digital video recorders (DVR), and PCs.

Features:

- 17" TFT LCD color screen panel
- Resolution - 1280 x 1024 (500TVL)
- Contrast ratio - 1000:1
- High brightness rating - 300 cd/m²
- Wide viewing angle - 160 x 160 degrees (H x V)
- Automatically adapt to the input resolution of the incoming video signal
- Fluorescent backlights ensure a consistent brightness level by avoiding luminance degradation on the monitor to deliver sharp images
- 3D Comb filter - reduces dot crawl to deliver a sharp picture with less noise
- Multi-language OSD (On-screen Display) offers intuitive and convenient interface for easy operation
- Auto-switching feature to automatically switch to and display an available input signal
- Includes VGA input for DVR or PC applications, 2 composite BNC inputs for composite video inputs, and loop-through outputs
- Y/C (S-video) and loop-through video and audio inputs
- Response time -
- LED life - 50,000 hours
- Can be mounted on a desktop, wall, or rack
- Suitable for use with analog video, digital video recorders (DVR), and PCs

Specifications:

LCD	Type: TFT LCD
	Screen Size (H x V): 13.3 x 10.6" (338 x 270mm)
	Viewable Picture Area: 17" (432mm) - measured diagonally
Video System	NTSC/PAL
Resolution	1280 x 1024 pixels / 500 TVL typical
Pixel Pitch	0.01 x 0.01" (0.264 x 0.264mm) - HxV
Aspect Ratio	5:4
Response Time	< 5 ms (typical)
Viewing Angle	160 degrees x 160 degrees (H/V)
Contrast Ratio	1000:1
Brightness	300 cd/m², hard-coating (3H), non-glare treatment
Display Colors	16.7 million
Backlight	2 cold cathode fluorescent tubes
Rated Life	50,000 hours at 50% brightness

Timing	DVI/RGB/HDMI Timing Modes
	640 x 480 at 60/72/75 Hz
	800 x 600 at 60/72/75 Hz
	1024 x 768 at 60/70/75 Hz
	1280 x 1024 at 60 Hz
	Component Timing Modes
	640 x 480 (480i) at 60 Hz
	720 x 576 (576i) at 50 Hz
	640 x 480 (480P) at 60 Hz
	720 x 576 (576P) at 50 Hz
	1280 x 720 (720P) at 50/60 Hz
	HDMI Timing Modes
	640 x 480 at 50 Hz
	720 x 600 at 50 Hz
	1024 x 768 at 50/60 Hz
Inputs/Outputs	Video In: BNC x2, S-video x1
	Video Out: BNC x2, S-video x1
	Component: Y, Pb, Pr
	Audio PC: 3.5mm x1 (mini phono plug)
	Audio Video: RCA x4 (2 in, 2 out)
	DVI: x1
	HDMI x1
	VGA x1 (D-sub)
	Trigger Input: 3.5mm x1 (mini phono plug)
Speaker	Speaker: two, 2 W
Indicators	Power On (green)
	Power Off (red)
	StandbySleep Mode (flashes red)

Control	Front Panel
	Push-buttons
	Input
	Selects Video 1, Video 2, S-video, RGB, DVI, or HDMI input
	Menu
	Selects on-screen display (OSD)
	Up arrow, Menu select
	Down arrow, Menu select
	Left arrow, decrease
	Right arrow, increase
	Power
	On/Off
	Front Panel Lockout
	Multiple push-button combinationTone, Blue Screen, Key Lock, Trigger, Auto Switching, Firmware Version)
On-Screen Display	Video Mode: Custom (Brightness, Contrast, Color, Tint, Sharpness), Picture/Sound (Picture Mode, Color Tone, Mute, Volume, Size, DNR, 3D Comb), PIP (PIP, Input Source, Size, Position, Swap, Sound Select), Setup (Reset, Language, OSD Tone, Blue Screen, Key Lock, Trigger, Auto Switching, Firmware Version)
	DVI/RGB: Custom (Brightness, Contrast, Sharpness), Picture/Sound (Picture Mode, Color Tone, Mute, Volume, PC, Auto Adjust, H-position, V-position, Frequency), PIP (PIP, Input Source, Size, Position, Swap, Sound Select), Setup (Reset, Language, OSD Tone, Blue Screen, Key Lock, Trigger, Auto Switching, Firmware Version)
Power Requirements	12 VDC, 4.2 A (includes 100/230 VAC adapter)
Power Consumption	
Material	Front and Chassis: electrolytic galvanized iron
	Finish: Charcoal black
Mounting	Wall mounting compatible with standard bracket, 3.9" (100mm) centers, M4 thread
Operating Temperature	32 ~ 104 degreesF (0 ~ 40 degreesC)
Dimensions (WxHxD)	15.3 x 13.7 x 2.9" (390 x 349 x 75mm)
Weight	12.9 lb (5.9 kg)
Package Weight	16.0 lb
Box Dimensions (LxWxH)	21.0 x 19.1 x 7.7"

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/UML-172-90-Bosch-UML-172-90-Color-LCD-Display-Monitor-17-p-130412.php

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