

UML-324-90 32 inch FHD LED monitor

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BOSCH
Invented for life



- ▶ Precise color reproduction and anti-image retention
- ▶ DisplayPort, HDMI, DVI and VGA inputs
- ▶ SECC steel metal housing for better robustness, heat dissipation and shielding
- ▶ Complies with voltage dip immunity standards
- ▶ Easy to use controls with remote and on-screen menu display

The Bosch High Performance LED monitors are high resolution color monitors ideal for use in a video surveillance environment. The monitors feature a color LCD flat-screen panel and are available with 27-inch, 32-inch, 43-inch or 55-inch viewable picture areas. Each monitor features wide horizontal and vertical viewing angles, precise color reproduction and anti-image retention.

Functions

Excellent image quality

The Bosch High Performance LED monitors automatically adapt to the input resolution of the incoming video signal, up to 1920 x 1080 resolution (Full HD) on the 27-inch, 32-inch and 43-inch models, and even up to 3840 x 2160 resolution (4k) on the 55-inch model. The monitors' analog VGA input easily accommodates the widespread use of PCs in today's security surveillance systems. Their high contrast ratio and a high brightness setting offers excellent color accuracy and imaging for easier viewing and interpretation of images. With the monitors' fast refresh rates you get crisp, clear images with less smearing - and less image "ghosting" in fast-motion video.

Anti-image retention

The monitors' anti-image retention capability helps prevent image sticking or image burning that may occur in situations of displaying static scenes over a long period of time.

True color enhancement

The monitors provide true color performance. The monitors automatically focus on setting the correct color, temperature, and gamma curve settings to deliver the highest possible picture quality.

Industrial grade monitors

The monitor is built from an industrial grade panel suitable for 24/7 usage.

USB for firmware upgrade

The firmware of the monitor can be upgraded by using the USB port.

DPMS

The monitor supports Display Power Management Signaling (DPMS) for power saving.

HDCP

The monitor supports High-bandwidth Digital Content Protection (HDCP) to allow playback off HDCP-encrypted content.

Certifications and approvals

Region	Safety Certification
Canada	cUL60950-1
Europe	EN60950-1, CE Declaration of Conformity, CB scheme
USA	UL60950-1

Electromagnetic Compatibility (EMC)

Emission	EN55032:2015 class B, FCC part 15 class B
Immunity	EN55024:2015, EN50130-4:2014

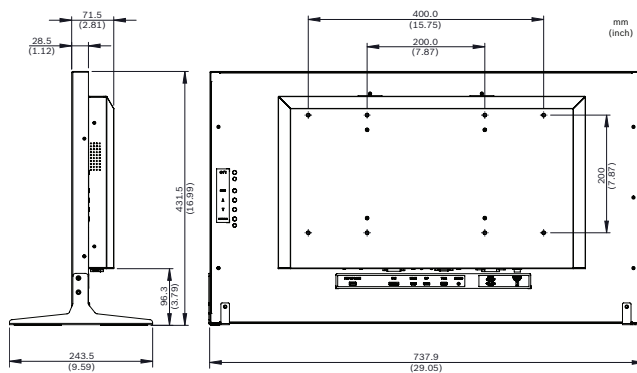
Environmental

Vibration and Shock
Level 7.1 Energy Star Certificate

Display class

ISO 13406-2 Class II

Installation/configuration notes



Parts included

Quantity	Component
1	Bosch high performance LED monitor
1	Power Cord, 3-wire grounded plug with a U.S plug type
1	Power Cord, 3-wire grounded plug with a European Continental plug type
2	Desktop stand: left side and right side
6	Mounting screws
1	HDMI to HDMI cable
1	VGA to VGA cable
1	DisplayPort to DisplayPort cable
1	DisplayPort to miniDisplayPort converter
1	Audio-in cable

Quantity	Component
1	Remote control
2	AAA batteries for remote control
1	Quick Installation Guide

Technical specifications

Electrical

UML-324-90

Rated Voltage	100-240 VAC, 50/60 Hz
Voltage Range	100-240 VAC, 50/60 Hz
Power consumption	
On	<60 W
Standby	<0.5 W

Video

UML-324-90

LCD Panel	LED
Viewable Picture Area	31.5 in.
Active Display Area (H x V)	698.4 x 392.85 mm (27.5 x 15.5 in.)
Resolution ¹	1920 x 1080
Aspect Ratio	16:9
Display Colors	16.7 million
Response Time	8 ms (typical)
Backlight	50,000 hours

1. Pixel Policy: Bosch monitors follow the ISO 13406-2 Class II standard.

Audio

Input	3.5 mm stereo jack
Output	2 x 2 W built-in speakers

Optical

UML-324-90

Luminance	500 cd/m ² (typical)
Contrast Ratio	3000:1 (typical)
Viewing Angle	Horizontal/Vertical: 178°, typical

Timing modes

UML-274-90 / UML-324-90 / UML-434-90

Resolution	Frequency
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640 x 400	85 Hz
640 x 480	60 Hz
800 x 600	60 Hz
1024 x 768	60 Hz
1152 x 864	75 Hz
1280 x 960	60 Hz
1280 x 1024	60 Hz
1360 x 768	60 Hz
1440 x 1050	60 Hz
1440 x 900	60 Hz
1600 x 1200	60 Hz
1680 x 1050	60 Hz
1920 x 1080	60 Hz

Mechanical

UML-324-90

Cabinet Material	SECC
Finish	RAL 9017 Traffic black
Mount	Wall mounting compatible with standard bracket
VESA Mounting Compliance	200 x 200 mm (7.87 x 7.87 in.) 400 x 200 mm (15.75 x 7.87 in.)

Dimensions (W x H x D)

Monitor	737.9 x 431.5 x 71.5 mm (29.05 x 16.99 x 2.81 in.)
With Packaging	873 x 573 x 223 mm (34.37 x 22.56 x 8.78 in.)

Weight

Monitor Weight	11.6 kg (25.6 lbs)
Shipping Weight	15.6 kg (34.4 lbs)

Environmental

Operating Temperature	0°C to +50°C (32°F to 122°F)
Storage Temperature	0°C to +50°C (32°F to 122°F)
Humidity	0% to 90% Relative

Ordering information

UML-324-90 32 inch FHD LED monitor

High-performance full HD (1080p) 32-inch LED monitor.

Order number **UML-324-90**

Accessories

UMM-WMT-32 wall mount for monitor 32 inch, tilt

Tilt wall mount for a monitor (32 inch). Black

Order number **UMM-WMT-32**

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