

DHI-LM27-EM331A

Dahua 27" QHD 180 Zones QD-MiniLED Gaming Monitor

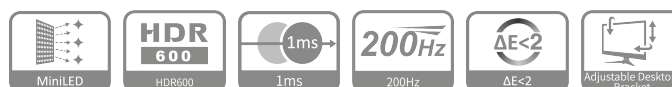


Technical Specification

Display

Model	DHI-LM27-EM331A
LCD Technology	IPS
Backlight	DLED
Local Dimming	180 zones
Screen Size	27 inch
Aspect Ratio	16:9
Viewing Size	596.74 (H) × 335.66 (V) mm
Screen-to-Body Ratio	≥90%
Viewing Angle	178° (H)/178° (V)
Display Mode	Horizontal
Pixel Pitch	0.2331 mm × 0.2331 mm (0.0092" × 0.0092")
Pixels Per Inch	108.79
Resolution	2560 (H) × 1440 (V)
Refresh Rate	200 Hz
Display Color	1.07B (8 bits + FRC)
Color Gamut	98% DCI-P3
Color Accuracy	ΔE<2
Brightness	SDR : 400 cd/m ² (typ.) HDR : 600 cd/m ² (typ.)
Contrast Ratio	1000:1
Response Time	MPRT 1 ms

- Mini-LED – Improves HDR with full-array local dimming and 180 zones for deeper blacks and brighter highlights.
- 2560×1440 resolution produces clearer and more vivid pictures.
- Experience stunning visuals with HDR600, delivering ultra-bright highlights, deep blacks, and lifelike contrast for truly immersive viewing.
- Images are delivered in excellent color accuracy with 98% DCI-P3 color coverage for you to see your work in vibrant, consistent colors.
- With a high refresh rate that reaches up to 200Hz, images and videos are rendered with smoothness and fluidity.
- 1ms Response Time – Eliminates screen tearing and choppy frame rates.
- Adjust the rotating lift base to the ideal working position for greater comfort.



Lifespan	30,000 hrs
Operation Hours	7 × 16 H
Surface Treatment	Haze 25% , 3H
Flicker-free Technology	Yes
Low Blue Light	Software blue light protection

Function

HDR	HDR 600
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Device Ports

Input Port	2 × HDMI 2.1 (2560 × 1440@144 Hz), 1 × DP 1.4 (2560 × 1440@200 Hz)
Output Port	1 × Audio out

Power & Environmental Conditions

Power Supply	19 VDC, 3.42 A
Power Type	power adapter
Power Consumption	26 W (basic), 32 W (typ.), 40 W (max)
Standby Power Consumption	<0.5 W
Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Operating Humidity	10% - 85% (RH)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage Humidity	5% – 90% (RH)

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General

Inclined Angle	-5° / +15°
Left and Right Rotation Angle	-20° / +20°
Vertical Rotation Angle	+90°
Height Adjustment	110 mm (4.33")
Product Dimensions	614.5 mm × 363.8 mm × 73.5 mm (24.19" × 14.32" × 2.89") (W × H × D), without wall-mount bracket
Package Size	690 mm × 483 mm × 166 mm (27.17" × 19.02" × 6.54") (W × H × D)
Frame Width	U/L/R/D: 0.09" / 0.10" / 0.10" / 0.72"
Net Weight	5.6 kg (12.35 lb)
Gross Weight	8.2 kg (18.08 lb)
Casing Color	Black
Control Mode	Joystick
Status Indicator Light	Yes
Wall Mount VESA	100 mm × 100 mm (3.94" × 3.94")
Accessory	Power Adapter, Bracket, Base, DP Cable, User Manual (QR Code), Legal and Regulatory Information, Energy Label
Optional Accessory	Wall mount

Certification

Certifications	CE EMC, CE LVD, CE ERP
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Ordering Information

Type	Model	Description
Gaming Monitor	DHI-LM27-EM331A	Dahua 27" QHD 180 Zones QD-MiniLED Gaming Monitor

Dimensions (mm[inch])

