

DHI-LM27-E431A

Dahua 27" UHD Dual mode Monitor



Technical Specification

Display

Model	DHI-LM27-E431A
LCD Technology	IPS
Backlight	ELED
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	0.1554 mm × 0.1554 mm (0.0061" × 0.0061")
Pixels Per Inch	163.18
Resolution	3840 (H) × 2160 (V)
Refresh Rate	320 Hz (at FHD resolution)
Display Color	1.07B (8 bits + FRC)
Color Gamut	98% DCI-P3
Color Accuracy	ΔE<2
Brightness	300 cd/m ² (typ.)
Contrast Ratio	1000:1
Response Time	MPRT 1 ms
Lifespan	30,000 hrs
Operation Hours	7 × 16 H

- The 3840×2160 resolution produces clearer and more vivid pictures.
- Support 4K 160Hz and FHD 320Hz switching, while meeting the needs of office entertainment.
- Images are delivered in excellent color accuracy with 98% DCI-P3 color coverage for you to see your work in vibrant, consistent colors.
- 1ms Response Time – Eliminates screen tearing and choppy frame rates.
- Hardware-based anti-blue light flicker-free technology reduces visual fatigue and provides better eye protection during prolonged use.
- Adjust the rotating lift base to the ideal working position for greater comfort.



Surface Treatment	Haze 25% , 3H
Flicker-free Technology	Yes
Low Blue Light	Hardware blue light protection

Function

HDR	HDR 10
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Device Ports

Input Port	2 × HDMI 2.1 (3840 × 2160@144 Hz & 1920 × 1080@288 Hz), 2 × DP 1.4 (3840 × 2160@160 Hz & 1920 × 1080@320 Hz)
Output Port	1 × Audio out

Power & Environmental Conditions

Power Supply	12 VDC, 4 A
Power Type	power adapter
Power Consumption	26 W (basic), 38 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)

General

Inclined Angle	-5° / +15°
Left and Right Rotation Angle	-20° / +20°

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Vertical Rotation Angle	+90°
Height Adjustment	110 mm (4.33")
Product Dimensions	613.8 mm × 362.5 mm × 70.7 mm (24.17" × 14.27" × 2.78") (W × H × D), without wall-mount bracket
Package Size	704 mm × 505 mm × 159 mm (27.72" × 19.88" × 6.26") (W × H × D)
Frame Width	U/L/R/D: 2.2 mm/2.2 mm/2.2 mm/17.4 mm(0.09" / 0.09" / 0.09" / 0.69")
Net Weight	5.6 kg (12.35 lb)
Gross Weight	7.4 kg (16.31 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-E431A	Dahua 27" UHD Dual mode Monitor

Dimensions (mm[inch])

