

32HL512D-B 8MP Diagnostic Color Monitor



▶ 32HL512D-B

8MP Diagnostic Color
32" Class (31.5" Diagonal)

A DISPLAY DESIGNED FOR DIAGNOSTIC READING

This 31.5" 8MP monitor is FDA approved for the display of radiological images for review, analysis and diagnosis*. Lightweight and affordable with excellent image quality makes 32HL512D the ideal solution for home and reading room use.

* The 32HL512D monitor is not intended for mammography.



Images on screen are simulated



FEATURES

DICOM READY

- The 32HL512D is DICOM Part 14 factory calibrated to primary diagnostic guidelines. Internal backlight sensor dynamically measures and adjusts LED backlight power to maintain target DICOM brightness over time.

LG NANO IPS™ TECHNOLOGY

- The LG Nano IPS technology in this monitor enhances the on-screen colors and grays. Nanometer sized particles within the LED backlight absorb excess light wavelengths to provide high DICOM accuracy and crisp reading experience.

SUPERIOR COMPATIBILITY

- PBP (Picture By Picture) mode enables two 4MP screen operation to work with PACS applications. DisplayPort and HDMI video inputs allow easy connection to workstations or laptop computers. Monitor supports Nvidia, AMD and Intel graphics.

STREAMLINED DESIGN

- This monitor has 4-sided virtually borderless design and no distracting visible front buttons or logos. Its OneClick stand and light weight construction allows fast and nearly effortless deployment. The monitor has height, tilt and +/- 90° pivot adjustability to accommodate multiple landscape or portrait configurations.

SPECIFICATIONS

Designed for Radiology Workflow

LG Nano IPS™ LCD

Native Display Resolution: 3840 x 2160

Picture by Picture Feature

Brightness: 450 cd/m²

Contrast Ratio: 1300:1

Response Time: 14ms

Brightness Stabilization

Tilt / Height / Pivot Adjustment

FDA 510(k) Class II Approval

Medical Safety Approval

TAA Compliant

5-Year Warranty

<https://www.lg.com/us/business/medical-monitors>

32HL512D-B

8MP Diagnostic Color Monitor



PANEL	MODEL	32HL512D-B
	Size (Inch)	31.5"
	Resolution	3840 X 2160
	Panel Type	Nano IPS
	Aspect Ratio	16:9
	Pixel Pitch	0.18159mm x 0.18159mm
	Brightness (Typ.)	450 cd/m ²
	Color Gamut (Typ.)	DCI-P3 98% (CIE1976)
	Contrast Ratio (Typ.)	1300:1
	Response Time (Typical)	14ms (Off setting), 5ms (Faster setting)
	Viewing Angle (CR≥10)	178° (R/L), 178° (U/D)
	Surface Treatment	Anti-glare 3H
SPECIAL FEATURES	BLS (ALS)	YES
	Black Stabilizer	YES
	DICOM Calibrated	YES
	Flicker safe	YES
	HDR10	YES
	HDR Effect	YES
	HW Calibration	YES
	PBP	2PBP
	Pathology	YES
	Picture Mode	Custom, Mono, Pathology, Reader, Vivid, HDR Effect, DICOM(Clinical), DICOM(Diagnostic), Calibration 1, Calibration 2, Custom, Vivid, Standard
	Smart Energy Saving	YES
	Super Resolution +	YES
	Uniformity	YES
Dual Controller	YES	
On Screen Control	YES	
LG PerfectLum	YES	
INPUT/OUTPUT	Display Port	YES - Version 1.4 (2)
	HDMI	YES - Version 2.0 (1)
	USB Downstream Port	YES - Version 2.0 (2)
	USB Upstream Port	YES - Version 2.0 (1)
POWER	Type	External Power(Adapter)
	AC Input	100-240v
	DC Output	19V, 3.42A
	Power Consumption (Max)	65W
	Power Consumption (Sleep mode)	Less than 0.5W
	Display Position Adjustments	Tilt/Height/Pivot

PANEL	MODEL	32HL512D-B	
	Wall Mountable	100 x 100 mm	
	Dimension with Stand (W x H x D)	28.3 x 23.2 x 9.1 in 718.2 x 590.0 x 231.2 mm	
	Dimension without Stand (W x H x D)	28.3 x 16.3 x 1.8 in 718.2 x 414.3 x 45.1 mm	
	Dimension in Shipping (W x H x D)	33.0 x 21.8 x 9.4 in 838 x 553 x 240 mm	
	Weight with Stand	16.1 lbs / 7.3 kg	
	Weight without Stand	13.0 lbs / 5.9 Kg	
	Weight in Shipping	24.4 lbs / 11.1kg	
STANDARD	IEC (IEC 60601-1 / IEC 60601-1-2)	YES	
	EN (EN 60601-1 / EN 60601-1-2)	YES	
	CSA(CAN/CSA C22.2 No. 60601-1, CSA 22.2 No. 601.1-M90)	YES	
	FCC (FCC part 15 Class A)	YES	
	UL60601-1	YES	
	FDA	Class II	
	CE(MDD 93/42/EEC, 2007/47/EC)	YES	
	ISO13485	YES	
	GMP	YES	
	KGMP	YES	
	CE(EU)	YES	
	RoHS	YES	
	REACH	YES	
	WEEE	YES	
	MFDS(KR)	YES	
	ACCESSORY	Power Adapter	YES
		Calibration Software	YES
		Calibration Report	YES
		Power Cord	YES
HDMI Cable		YES	
DisplayPort Cable		YES	
OTHER	Limited Warranty	5 Year	
	UPC	7 19192 63454 1	



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- 800-897-8726 | IT Sales

LG Electronics USA, Inc.
HE B2B Division
2000 Millbrook Drive
Lincolnshire, IL 60069

Customer Service: 888.865.3026
www.LG.com/us/commercial/display-support

Contact your LG Regional Sales Representative:
Sales Contact: 800.897.8726
E-mail: info@LGSolutions.com

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