

## The LATEST Surgical Display Monitor with Mini-LED Delivers Outstanding Image Quality, Performance, and Convenience



*\*The screen image is simulated for illustrative purposes only.*

The all-new LG 27HQ710S 4K Mini-LED surgical monitor boasts exceptional picture quality courtesy of the company's Mini-LED technology, which provides brilliant illumination, and reliable images. This newly launched 27-inch, 4K resolution (3840 x 2160) vertical alignment display leverages thousands of tiny LEDs to offer a peak brightness of 2,000cd/m<sup>2</sup> and a 1,000:1 contrast ratio. Plus, with an impressive 1,500 local dimming zones, the surgical monitor displays vibrant, high-quality color images with consistent brightness across the entire screen.

**INTENDED USE:** Record Operative Procedures

### FEATURE HIGHLIGHTS

- 4K UHD (3840 x 2160) with Mini-LED
- 5ms Response Time (Quick Setting)
- HDR 10, HDR Effect, 3G-SDI support
- sRGB 139% (Area)
- Mirror Mode and Rotation Mode
- Up to 4PBP and PIP
- Protection Glass (1.3t, Anti-Reflection, Anti-Fingerprint)
- Failover Input Switch available
- 178° x 178° Wide Viewing Angles
- DICOM Part 14 Compliant
- FDA Class I Exempt

### WARRANTY INFORMATION

- 3-Year Extended Warranty



PRODUCT **VIDEO**



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# SPECIFICATIONS

Model		27HQ710S
Panel	Panel Type	VA (Vertical Alignment)
	Inch (Aspect Ratio)	27-inch
	Resolution	4K UHD (3840 x 2160)
	Backlight Technology	Mini-LED
	Surface Treatment	Protection Glass (1.3t, Anti-Reflection, Anti-fingerprint)
	Color Gamut (Typical)	DCI-P3 110.9% (CIE1976, Area), DCI-P3 98% (CIE1976, Coverage), sRGB 139% (Area), sRGB 100% (Coverage)
	Viewing Angles (CR≥10)	178° (Right / Left), 178° (Up / Down)
	Brightness (Typical)	800cd/m <sup>2</sup>
	Contrast Ratio (Typical)	1000 : 1
	Response Time (GtG <sup>1)</sup> )	5ms (GtG at Faster)
Feature	DICOM Compliant	Yes
	HW Calibration	Yes (LG Calibration Studio)
	HDR	HDR 10, HDR Effect
	Super Resolution+	Yes
Video Signals	Input Terminals	HDMI 2.0 x1, DisplayPort x1, DVI x1, 3G-SDI x1
	Output Terminals	DisplayPort x1, DVI x1, 3G-SDI x1
Connectivity	USB	1 Upstream (ver 3.0), 1 Downstream (ver 3.0)
Power	AC Input	100-240Vac, 50/60Hz
	Power Consumption (Max.)	120W
	Power Consumption (DC Off)	Less than 0.3W
Resistance Rating <sup>2)</sup>		IP45 (Front) <sup>3</sup> , IP32 (Except for Front) <sup>4</sup> , IK06 <sup>5</sup>
User Convenience	PBP / PIP	Yes (2PBP / 3PBP / 4PBP) / Yes
	Screen Filp	Rotation & Mirror Mode
	Failover Input Switch	Yes
	Hot Key	Yes (2 keys)
	Flicker Safe	Yes
Physical Specifications	Weight	8.0 kg (18 lb)
FDA Classification		Class I Exempt

1) GtG: Gray-to-gray response times.

2) Tested under controlled laboratory conditions with an IP/ IK rating. Dry before using. Do not charge while wet.

3) IP 45: Protected from tools and small wires greater than 1 millimeter./ Low water jets from any direction.

4) IP 32: Protected from tools and wires greater than 2.5 millimeters./ Protected from water spray less than 15 degrees from vertical.

5) IK 06: Equivalent to impact of 0.25 kg mass dropped from 400 mm above impacted surface.

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