



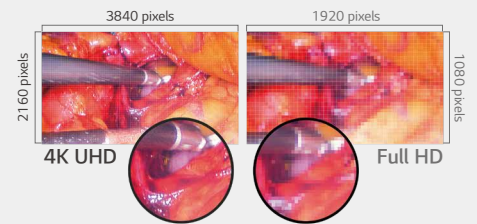
27-inch 4K IPS Surgical Monitor

| 27HJ710S |

Superior Image Quality for Delicate Surgery

4K (3840 x 2160) IPS Display with sRGB 115%

Exacting image quality is pivotal for the improvement of medical outcomes. A 4K panel can achieve images with a resolution four times higher than that provided by Full HD. Even images of small objects, such as sutures and blood vessels are much clearer on the screen of the same size with 4K resolution. Also, Full HD images with less than 4K resolution can be optimized for a 4K monitor.



DICOM* Part 14 | Brightness Stabilization

The LG Surgical Monitor carefully measures and sets every grayscale tone as well to create a monitor compliant with DICOM Part 14 and ensure the most accurate outcome. In addition, sensors measure backlight brightness and automatically compensate for fluctuations in brightness caused by ambient temperature and aging for a consistently stable display.

*DICOM: Digital Imaging and Communications in Medicine.



Designed for Use in the Operating Room

IP35 (Front) & IP32 (Except for Front) : Dustproof & Water Resistant

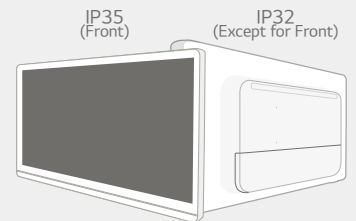
To ensure protection against contact with substances such as blood or bodily fluids, LG Surgical Monitors are cleanable and durable, with ratings of IP35 on the front and IP32 on the rest, securing them from any direction.



Dustproof



Water Resistant



Failover Input Switch

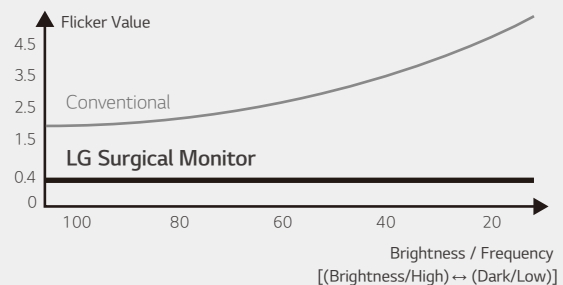
This function allows the display to automatically switch to a failover (backup) input in case the main input is missing. The display will automatically restore the main input once the signal is back.

Long-lasting Eye Comfort

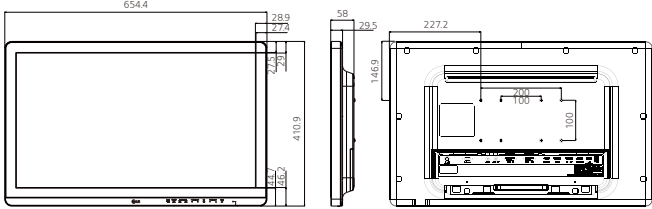

Flicker Safe

Flicker Safe reduces the onscreen flicker level to almost zero, which helps minimize eye strain and eye fatigue. By combining Flicker Safe with the proven picture quality of IPS technology, users can comfortably work throughout the day.

*This result based on internal LGE lab tests.



Specification

Model		27HJ710S
		
		
Panel	Panel Type	IPS
	Inch (Aspect Ratio)	27-inch (16:9)
	Resolution	4K (3840 x 2160)
	Surface Treatment	Protection Glass (1.3t, Anti-reflection, Anti-fingerprint)
	Color Gamut (Typ.)	sRGB 115% (Area), sRGB over 99% (Coverage)
	Viewing Angle (CR≥10)	178° (Right/Left), 178° (Up/Down)
	Brightness (Typ.)	800cd/m ²
	Contrast Ratio (Typ.)	1000:1
Feature	Response Time (GTG ¹⁾)	14ms (Off-setting), 5ms (Faster-setting)
	DICOM Compliant	Yes
Video Signals	HW Calibration	Yes (True Color Pro)
	Input Terminals	HDMI x1, DisplayPort x1, DVI x1, 3G-SDI x1
Connectivity	Out Terminals	DisplayPort x1, DVI x1, 3G-SDI x1
	USB	1 upstream, 2 downstream
Power	AC Input	100-240Vac, 50/60Hz
	Power Consumption (Max.)	120W
	Power Consumption (DC Off)	Less than 0.3W
Resistance Rating		IP35 (Front), IP32 (Except for Front), IK06
Certifications & Standards		IEC(IEC 60601-1 / IEC 60601-1-2), EN(EN 60601-1 / EN 60601-1-2) IEC(IEC 60950-1 / IEC 55032, 55024), EN (EN 60950-1 / EN 55032, 55024) cUL (ANSI/AAMI ES 60601-1, CSA CAN/CSA-C22.2 NO. 60601-1) FCC (FCC part 15 Class A), FDA (Registration (Class I)), RoHS, REACH, WEEE
User Convenience	PBP / PIP	Yes (2 PBP) / Yes
	Failover Input Switch ²⁾	Yes
Physical Specifications	Weight (with stand)	7.7 kg (17 lb)

1) GTG : Gray to gray response time

2) Failover Input Switch will be available from May 5, 2020.

*The monitor stand is not included with the surgical monitor.

