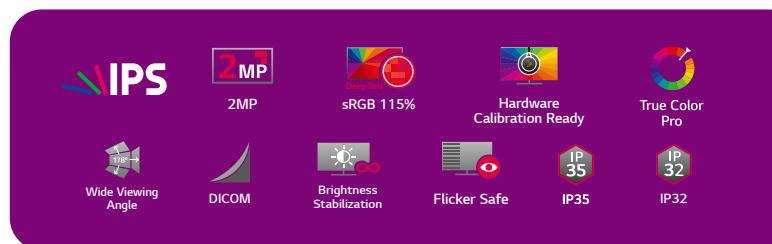


# LG Full HD Surgical Monitor

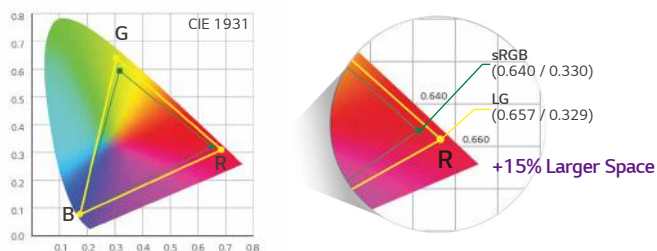


27HK510S

## Optimal Image Quality for Fine Surgery

### Full HD\* IPS Display with sRGB 115%(Deep Red)

The Full HD IPS display with sRGB 115% (Deep Red) is designed to fit with other Full HD surgical devices. It enables surgeons to view accurate, realistic images by maximizing compatibility and clearer, brighter color reproduction, especially in the red color spectrum.



\*FHD: 1920x1080

### 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. And, its stabilized brightness settings quickly adapt to the surgical procedure and local lighting conditions.

#### Brightness Stabilization\*

Non Brightness Stabilization  
(conventional display)\*

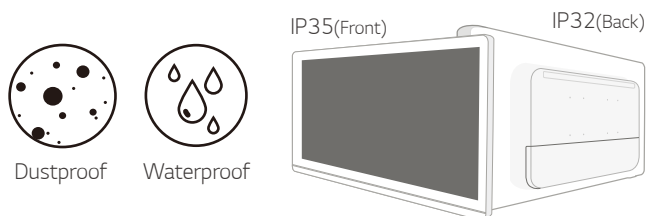


\*DICOM: Digital Imaging and Communications in Medicine.

## Designed for Use in the Operating Room

### IP35 & IP32 : Dustproof & Water Resistance

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 back, securing them from any direction.



### Anti-Reflection & Protection Glass

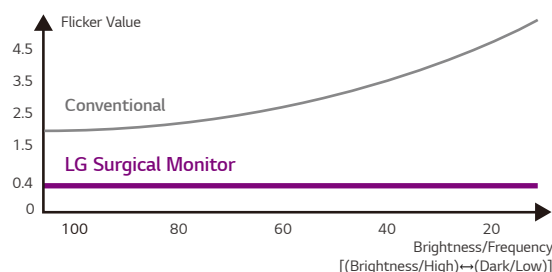
The LG surgical monitor with protection glass provides a more durable display by safeguarding the monitor from water and bodily fluids and making it easier to clean. The improved anti-reflection ability enables a brighter, sharper display for optimal image quality.



## Long-lasting Eye Comfort

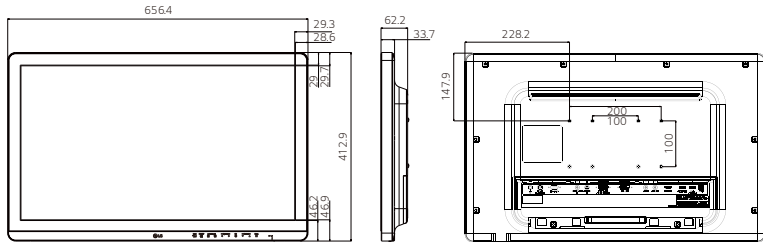

### Flicker Safe

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 Name		27HK510S
External Dimension		
		
Panel	Type	IPS
	Size	27" (16:9)
	Native Resolution	1920 x 1080
	Pixel Pitch	0.1554 mm x 0.1554 mm
	Display Colors	10bit / sRGB 115% (Deep Red)
	Viewing Angles	178/178
	Brightness	1000cd/m <sup>2</sup> (Typ.)
	Surface Treatment	Protection Glass
	Contrast Ratio	1000:1 (Typ.)
Response Time	14ms (Typ.)	
Video Signals	Input Terminals	HDMI (1.4) x 1, S-Video x 1, Composite x 1, 3G-SDI x 1, DVI-I x 1 (Compatible with D-sub & Component via adapter)
	Output Terminals	3G-SDI x 1, DVI-I x 1
	Digital Scanning Frequency (H/V)	HDMI, DVI-D: 30~83kHz / 56~61Hz, D-sub: 30~83kHz / 56~61Hz
	Sync Formats	Dynamic Sync Mode (Thru Mode)
USB	Function	1 upstream, 1 downstream (For Calibration)
	Standard	USB 3.0
Power	Power Requirements	100-240Vac, 50/60Hz
	Maximum Power Consumption	120W
	Power Management	0.3W
Brightness Stabilization		Support
Resistance Rating		IP35 / IP32 (Front / Back), 8H Glass
Gamma		Gamma 1.8 / Gamma 2.0 / Gamma 2.2 Gamma 2.4 / Gamma 2.6 DICOM Gamma curve
Certifications & Standards		IEC(IEC60601-1/ IEC60601-1-2, FCC (FCC part 15 Class A), CB, ANSI/AAMI ES 60601-1, CSA CAN/CSA-C22.2 NO. 60601-1, RoHS, REACH, WEEE, CE MDD (Class 1)
Supplied Accessories		Power Cord, D-Sub to DVI-I adapter, DVI-D cable, HDMI cable, Adapter, CD/book manual
Physical Specifications	Weight(Without Stand)	7.7kg

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