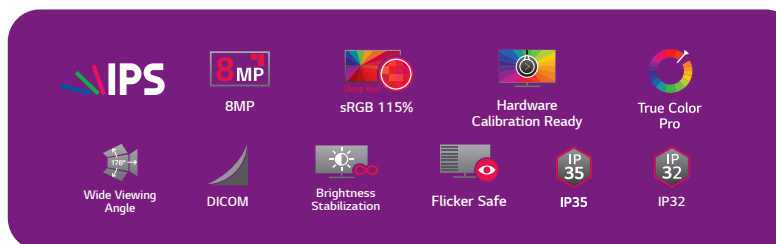
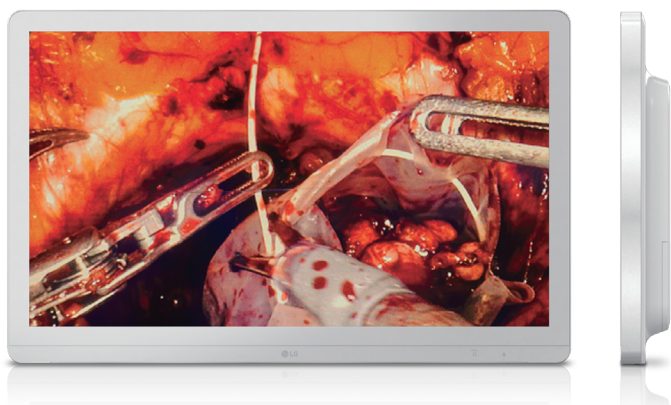


# LG 4K Surgical Monitor

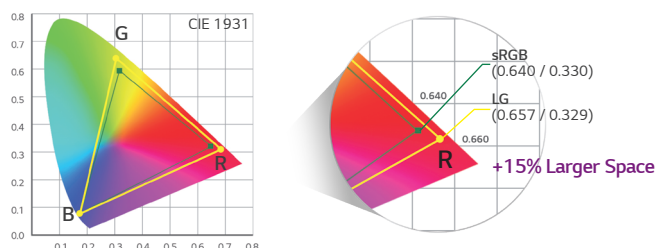


27HJ710S

## Superior Image Quality for Delicate Surgery

### 4K\* IPS Display with sRGB 115%(Deep Red)

The 8MP IPS display offers detailed images of previously hard-to-see regions and displays multiple imaging applications. It provides more accurate color reproduction with sRGB 115%(Deep Red), especially in the deep red color spectrum for color expression.



\*4K: 3840x2160

### 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)\*

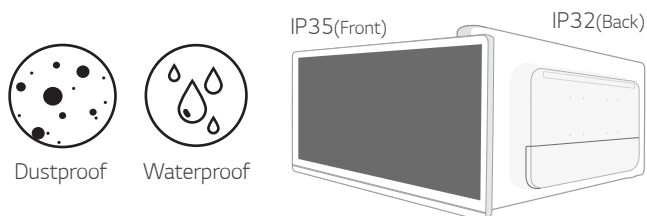


\*DICOM: Digital Imaging and Communications in Medicine.

## Essential Features for Safe Operation

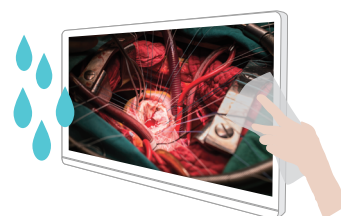
### IP35 & IP32 : Dustproof & Water Resistance

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 & Optical Bonding Glass

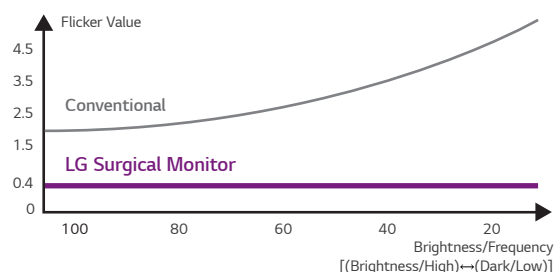
The LG surgical monitor with optical bonding glass significantly reduces internal reflection between the outer glass and the LCD to enhance accuracy. The improved anti-reflection ability enables a brighter and sharper display for the highest image quality.



## Long-lasting Eye Comfort

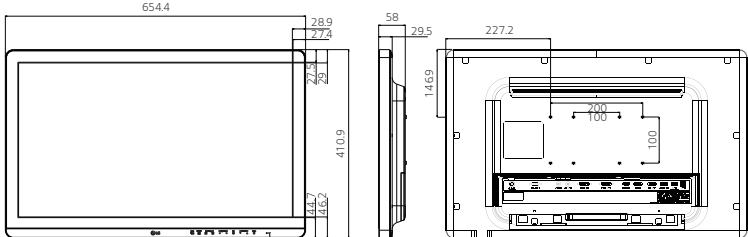

### Flicker Safe

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   |                                  | 27HJ710S  |
| External Dimension   |                                  |   |
|  |                                  |   |
| Panel  | Type                             | IPS   |
|  | Size                             | 27" (16:9)  |
|  | Native Resolution                | 3840 x 2160   |
|  | Pixel Pitch                      | 0.1554 mm x 0.1554 mm   |
|  | Display Colors                   | 10bit / sRGB 115% (Deep Red)  |
|  | Viewing Angles                   | 178/178   |
|  | Brightness                       | 800cd/m <sup>2</sup> (Typ.)   |
|  | Surface Treatment                | Optical Bonding Glass   |
|  | Contrast Ratio                   | 1000:1 (Typ.)   |
|  | Response Time                    | 14ms (Typ.)   |
| Video Signals  | Input Terminals                  | HDMI (2.0) x 1, DP (1.2) x 1, DVI-D x 1, 3G-SDI x 1   |
|  | Output Terminals                 | DP (1.2) x 1, DVI-D x 1, 3G-SDI x 1   |
|  | Digital Scanning Frequency (H/V) | HDMI, DP: 30~135kHz / 56~61Hz, DVI-D: 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, IK06  |
| Gamma  |                                  | Gamma 1.8 / Gamma 2.0 / Gamma 2.2<br>Gamma 2.4 / Gamma 2.6<br>DICOM Gamma curve   |
| Certifications & Standards   |                                  | IEC(IEC60601-1 / IEC60601-1-2), FCC(FCC part 15 Class A), CB, UL(UL60601-1), C-UL-US, RoHS, REACH, WEEE, CISPR, EN, ANSI, AAMI, CE MDD(Class 1) |
| Supplied Accessories   |                                  | Power Cord, HDMI Cable, DP Cable, Adapter, CD/Book Manual   |
| Physical Specifications  | Weight(Without Stand)            | 7.7kg   |

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

**LG Electronics Inc.**

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