

27HJ713S-W FDA Class II 8MP Surgical Monitor

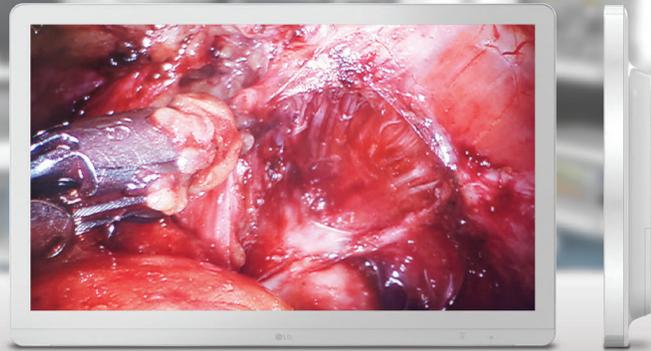


▶ 27HJ713S-W

FDA Class 2
27" Class (27.0" Diagonal)

A DISPLAY OPTIMIZED FOR OPERATING ROOM

The superior detailed picture quality of the LG surgical monitor meets operating room requirements. With its 27-inch IPS 8MP display, the LG surgical monitor improves work efficiency not only by enabling detailed observation but also by displaying multiple imaging applications.



Images on screen are simulated



FEATURES

IPS & 115% OF SRGB ENHANCING DEEP RED

- The 8MP IPS monitor not only enables detailed observation of previously hard-to-see regions but also displays multiple imaging applications. In particular, the LG surgical monitor provides brightness and sRGB of 115% to ensure accurate color reproduction in the surgery room. Moreover, by adding a deep red color spectrum, the LG surgical monitor assures color expression of the red spectrum.

DICOM PART 14 & BRIGHTNESS STABILIZATION

- DICOM Part 14, published by the National Electrical Manufacturers Association (NEMA) and the American College of Radiology (ACR), provides strict guidelines for performing grayscale display function calibration and quality assurance tests on displays used in medical imaging applications.

DYNAMIC SYNC MODE*

- Since during an operation, a display takes a lot of heavy information from many other devices those tracking the real-time condition of the patient, therefore visual distracting caused.

*Dynamic Sync Mode is only available to 60Hz input source.

ANTI-REFLECTION & OPTICAL BONDING GLASS

- Optically bonded glass significantly reduces internal reflection between the cover glass and the LCD to enhance accuracy. Improved anti-reflection ability enables displays to look brighter and sharper for the highest image quality.

DUSTPROOF & WATERPROOF

- The LG's multi-coated glass is highly durable and scratch-resistant and protects the panel during a surgical procedure.

SPECIFICATIONS

Designed Specifically for the Operating Room

UL Medical Grade Listed

DICOM part 14

Native Display Resolution 3840 x 2160

Contrast Ratio 1000:1

14ms(Typ.) Response Time

Six Axis Control

Brightness Stabilization

VESA™ Compliant Wall Mountable

3-Year Limited Warranty Parts/Labor/Backlight

www.LG.com/us/commercial



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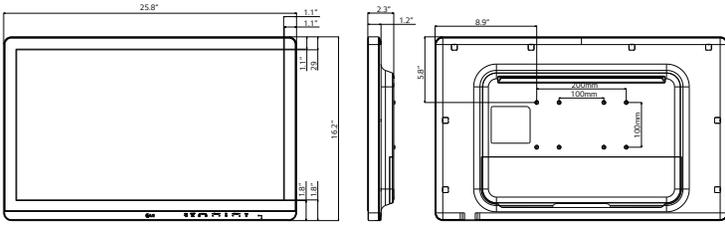
FDA Class II 8MP Surgical Monitor

▶ 27HJ713S-W

27" Class (27.0" Diagonal)



DIMENSIONS



JACK PACK



PANEL	MODEL	27HJ713S-W
Size		27" Class (27.0" Diagonal)
Panel Type		IPS
Color Gamut (CIE1931)		sRGB 11.5% + Deep Red
Color Depth (Number of Colors)		10bit color (1.07B)
Pixel pitch (mm)		0.1554mm x 0.1554mm
Aspect Ratio		16:9
Resolution		3840 x 2160
Brightness (Typ.)		800 cd/m ²
Contrast Ratio(Original) (DFC)		1000:1 Mega
Response Time_Typ. (on/off) (GTG)		14ms (Typ) 5ms (High)
Viewing Angle(CR≥10)		178 / 178
Surface Treatment		With Optical Bonding Glass (1.3T, 8H, Anti-Reflection, Anti-Finger)
SIGNAL INPUT		
DVI-D		x1
SDI		x1 (3G-SDI)
HDMI		x1 (2.0)
DisplayPort		x1 (1.2)
USB		USB 1up/1down (for HW calibration)
[Jack Location]		Rear
Others		RS-232C
SIGNAL OUTPUT		
DVI-D		x1
SDI		x1 (3G-SDI)
DisplayPort		x1 (1.2)
[Jack Location]		Rear
POWER		
Type		Adapter
Input		100-240Vac, 50/60Hz
Output		19V, 6.32A (120W)
Normal On (Max) (Brightness100 + 5V Load)		120W
DC Off (Max)		0.3W
FREQUENCY		
H-Frequency (DVI-D)		30-83kHz
V-Frequency (DVI-D)		56-61Hz
H-Frequency (HDMI)		30-135kHz
V-Frequency (HDMI)		56-61Hz
H-Frequency (Display Port)		30-135kHz
V-Frequency (Display Port)		56-61Hz
RESOLUTION		
DVI-D		1920 x 1080
HDMI		3840x2160
Display Port		3840x2160
SDI		1920 x 1080
OSD		
Country		Worldwide
Number of Language		17

CONTROL KEY	MODEL	27HJ713S-W
Key Number (Power Key Included)		10
Key Type		Dome Tact
LED Color(On mode)		Green
Key LED Color		White (5/10/20sec/Always)
[Key Location]		Front
PICTURE MODE		Yes
ORIGINAL RATIO		Yes
PIP		Yes
PBP		Yes
Six Axis Control		Yes
Smart Energy Saving		Yes (Conserve energy by using luminance compensation algorithm)
Super Resolution+		Yes
Gamma		Gamma 1.8, Gamma 2.0, Gamma 2.2, Gamma 2.4, Gamma 2.6, DICOM Gamma curve
Color Temperature		6500K / 8500K / 9300K, Manual (5000K ~ 10000K)
DICOM Mode		Yes (Kδ <= 10%)
Factory Calibration		Yes (Delta E < 2, Gamma 1.8 ~ 2.6 / DICOM curve)
H/W Calibration		Yes (Calibration 1-2 Mode)
Dynamic Sync Mode (Thru Mode)		Yes
Flicker safe		Yes
Brightness Stabilization		Yes
Uniformity Compensation		Yes
RS232		Yes
DDC/CI		Yes
HDCP		Yes
Key Lock		Yes
Plug & Play		Yes
Response Time Control		Yes
DPM		Yes
Mechanical Switch		Yes
User Preset		Yes
Color Calibrated		Yes
Mechanical Switch		Yes
True Color Pro		Yes
COLOR		
Front		White
Back Cover		White
Others		White (Deco, Door, etc)
CABINET		
Monitor (without Stand)		25.8" x 2.3" x 16.2"
Box		29.3" x 19.5" x 6"
VESA® Wall Mount		200 x 100 / 100 x 100
Weight (without Stand)		17 lbs
Weight (Box)		24.5 lbs
STANDARD		
DisplayPort		Yes
IEC		IEC60601-1 / IEC60601-1-2
FCC		FCC part 15 Class A
CB / C-UL-US / CE / KC / RoHS / REACH / WEEE / UL / ANSI / AAMI		Yes
CISPR		UL60601-1 IEC / EN
EN		EN60601-1 / EN60601-1-2
CE MDD		CE (MDD) Class I
FDA(US)		FDA Class I & Class II
Ingress Protection (Dust/Water Resistant)		IP35(Front) / IP32(Other)
Impact Protection		IK06
Others		IP35(front)/IP25(back), DICOM part 14
ACCESSORY		
Power Cord		Yes
HDMI		Yes
Display Port (1.2)		Yes
Manual		Yes
Factory Calibration Report		Yes
CD-ROM		Yes - User Manual / True Color Pro
Others		Adapter
OTHER		
UPC		7 19192 61761 2
Warranty		3-Year Limited Warranty (Parts/Labor/Backlight)



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SPEC_27HJ713S-W_011822-PR

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