

# 27HJ710S-W 8MP Surgical Monitor



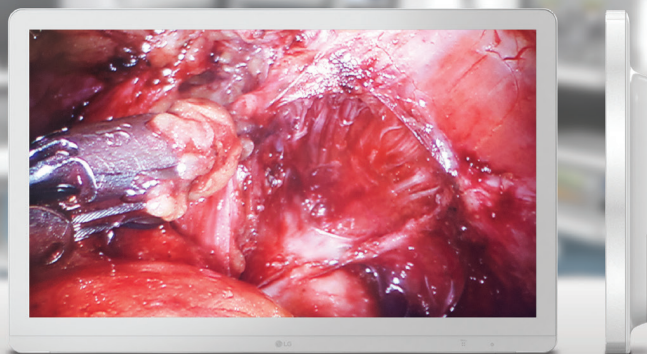
HEALTHCARE

## ▶ 27HJ710S-W

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 & sRGB OVER 99% + DEEP RED

- The 27-inch 8MP display with IPS technology offers an outstanding picture quality along with perfect wide viewing angles.

### DICOM PART 14 & BRIGHTNESS STABILIZATION

- To ensure the most accurate and consistent shading possible for medical images, LG measures and sets every grayscale tone on the production line to produce a monitor compliant with DICOM Part 14.

### DYNAMIC SYNC MODE\*

- The LG surgical monitor minimizes input lag with Dynamic Sync so you can catch every single moment in real-time.

\*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

- IP35 rated (front) & IP32 rated (back) panels, gives protection against dust and water that may contact it during an operation.

## 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

# 27HJ710S-W

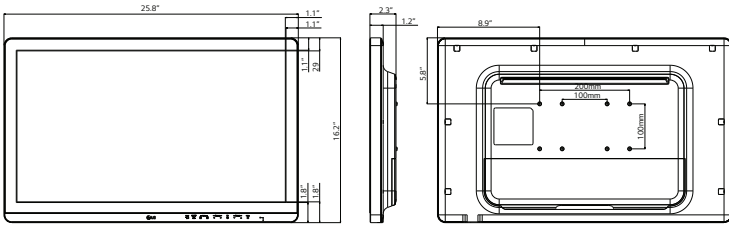
## 8MP Surgical Monitor

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### DIMENSIONS



### JACK PACK



PANEL	MODEL	27HJ710S-W
	Size	27" class (27.0" diagonal)
	Panel Type	IPS
	Color Gamut (CIE1931)	sRGB 99% + 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 <sup>2</sup>
	Contrast Ratio(Original)	1000:1
	(DFC)	Mega
	Response Time_Typ. (on/off)	14ms (Typ)
	(GTG)	5ms (High)
	Viewing Angle(CR≥10)	178 / 178
	Surface Treatment	With Optical Bonding Glass (1.3T, 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)
	Others	RS-232C
	[ Jack Location ]	Rear
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	Digital (DVI-D)	1920 x 1080
	Digital (HDMI)	3840x2160
	Display Port	3840x2160
	HDMI	3840x2160
	DVI-D	1920 x 1080
	SDI	1920 x 1080
	Display Port	3840x2160
OSD	Country	Worldwide
	Number of Language	17

CONTROL KEY	MODEL	27HJ710S-W
	Key Number (Power Key Included)	10
	Key Type	Dome Tact
	LED Color(On mode)	Green
	LED Color(Power save mode)	White (5/10/20sec,Always)
	[ Key Location ]	Front
SPECIAL FEATURE	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 v(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)	23.2 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 /	Yes
	UL / ANSI / AAMI	UL60601-1
	CISPR	IEC / EN
EN	EN60601-1 / EN60601-1-2	
CE MDD	CE (MDD) Class I	
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
	Others	(User Manual / True Color Pro)
	UPC	7 19192 60919 8
OTHER	Warranty	3-Year Limited Warranty (Parts/Labor/Backlight)

www.LG.com/us/commercial



Customer Service: 888.865.3026  
www.LG.com/us/commercial/display-support

Contact your LG Regional Sales Representative:  
Sales Contact: 800.897.8726  
E-mail: info@LGsolutions.com

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Printed in the USA. November 2016

