

27HJ713S-W FDA Class II 8MP Surgical Monitor

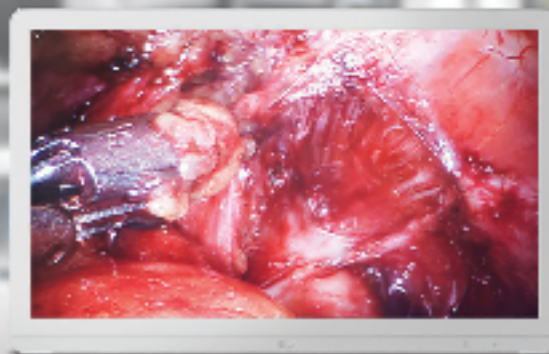


▶ 27HJ713S-W

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

27HJ713S-W

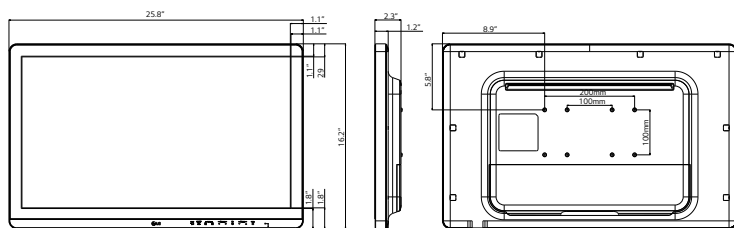
FDA Class II 8MP Surgical Monitor

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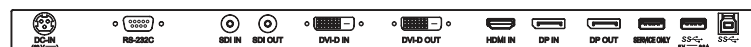
27" Class (27.0" Diagonal)



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)	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, 8H, Anti-Reflection, Anti-Finger)
SIGNAL INPUT	DVI-D	x1
	SDI	x1 (3G-SDI)
	HDMI	x1 (2.0)
	DisplayPort	x1 (1.2)
	USB	USB 1 up/1 down (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
	Type	Adapter
POWER	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
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 (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 /	Yes
	UL / ANSI / AAMI	UL60601-1
	CISPR	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)



www.LG.com/us/commercial



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SPEC_27HJ713S-W_011822-PR

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