27HK510S-W IPS FHD Surgical Monitor

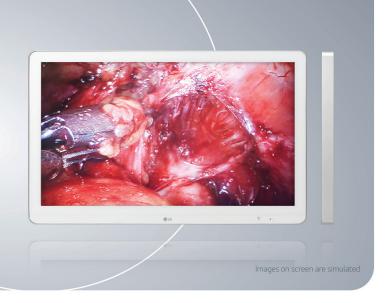


> 27HK510S-W

FDA Class 1 27" Class (27.0" Diagonal)

A DISPLAY OPTIMIZED FOR OPERATING ROOM

The superior detailed picture quality of the Full HD LG surgical monitor meets operating room needs with its 27–inch IPS display. This monitor enables detailed observation and allows multiple imaging applications to be displayed at once.





FEATURES

IPS & 99% OF SRGB

• The Full HD 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 99% to ensure accurate color reproduction in the surgery room.

DICOM PICTURE MODE & BRIGHTNESS STABILIZATION

 This display has a dedicated DICOM picture mode and brightness stabilization to address concerns of the National Electrical Manufacturers Association (NEMA) and the American College of Radiology (ACR) to facilitate quality medical imaging during surgical procedures.

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.

DUST & WATER RESISTANT

• The LG's multi-coated IP35-rated glass is highly durable and protects the panel during surgical procedures.

SPECIFICATIONS

Designed Specifically for the Operating Room

UL Medical Grade Listed

FDA Class 1

TAA Compliant

Native Display Resolution 1920 × 1080

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



27HK510S-W IPS FHD Surgical Monitor





PANLEL MODEL 27%HCS105-W Size (inch / cm) 27 Panel Type IPS Fanel Type IPS Color Gamut (CE 1931) (Typ) SRGB 99%. Color Depth 0.1554mm x0 1554mm Aspect Ratio 1.920x1080. Resolution 1.920x1080. Resolution 1.920x1080. Resolution 1.920x1080. Response Time, Typ. (an/off) 1.4ms (Typ.) Cortract Ratio (Griginal) 1.0000.11 (CFC) Mega Response Time, Typ. (an/off) 1.4ms (Typ.) Cortract Ratio (Criginal) 1.010.1 OFA 2.3ms (Typ.) SIGNAL INPUT O-Sub 1.13 EBH Ant-RefectorAnt-In-Finger) Component Sid X1 (Includes Sync: signal) VI-D UP-D X1 (Includes Typ.) X1 (Includes Typ.) US UP-D X1 (Includes Typ.)			
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V-Frequency (DVI-D) 56-61Hz H-Frequency (HDMI) 30-135kHz V-Frequency (HDMI) 30-135kHz V-Frequency (HDMI) 56-61Hz RESOLUTION Digital (DVI-D) 1920 x 1080 Digital (HDMI) 1920 x 1080 DV-D 1920 x 1080 SDI 1920 x 1080 Mumber of Languages 17 CONTROLKEY Key Number (Power Key Included) Green Key LED Color (On mode) Green Key Type Indicator LED Color (On mode) Green Key LED Color Key LED Color White (S/10/20sec.Always) [Key Lecation] FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration 1 / Calibration 2 SPECIAL PIP Yes PBP <td< td=""><td></td><td>DC Off (Max)</td><td>0.577</td></td<>		DC Off (Max)	0.577
H-Frequency (HDMI) 30-135kHz V-Frequency (HDMI) 56-61Hz PESOLUTION Digital (DVI-D) 1920 x 1080 Digital (HDMI) 1920 x 1080 DVI-D 1920 x 1080 SDI 1920 x 1080 SDI 1920 x 1080 OSD Country Worldwide Number of Languages 17 CONTROL KEY Key Number (Power Key Included) 0 Key Type Dome Tact Indicator LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration1 / Calibration2 PIP Yes PIP PIP Yes SUX Axis Control Yes SUX Axis Control Yes Super Resolution+ Yes Gamma 2.6, DICOM Gamma 2.0, Gamma 2.0, Gamma 2.4, Gamma 2.6, DICOM Gamma 2.6,		H-Frequency (DVI-D)	30~83kHz
V-Frequency (HDMI) 56-61Hz RESOLUTION Digital (DVI-D) 1920 x 1080 Digital (HDMI) 1920 x 1080 DVI-D 1920 x 1080 SDI 1920 x 1080 OSD Country Worldwide Number of Languages 17 CONTROL KEY (Power Key Included) General Indicator LED Color (On mode) Green Key LDC Color (Dn mode) Green Feat Feat SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration 1 / Calibration2 PIP Yes PIP Yes SUR Resolution + Yes Gamma 2.0, Gamma 2.0, Gamma 2.4, Gamma 2.4, Gamma 2.6, DICOM Gamma 2.6, DICOM Gamma 2.4, Gamma 2.6, DICOM Gamma 2.6, DICOM Gamma 2.4, G		V-Frequency (DVI-D)	56~61Hz
RESOLUTION Digital (DVI-D) 1920 x 1080 Digital (HDMI) 1920 x 1080 DVI-D 1920 x 1080 SDI 1920 x 1080 OSD Country Key Number of Languages 17 CONTROL KEY Key Number (Power Key Included) 10 Key Type Dome Tact Indicator LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration 1 / Calibration2 SIX Axis Control Yes Yes PIP Yes Yes SIX Axis Control Yes Yes Super Resolution+ Yes Yes Gamma 2.6, DICOM Gamma a.2, Gamma 2.4, Gamma 2.4, Gamma 2.6, DICOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K - 10000K) DICOM Mode Yes (K\delta < 10%)		H-Frequency (HDMI)	30~135kHz
Digital (HDMI) 1920 x 1080 DVI-D 1920 x 1080 SDI 1920 x 1080 OSD Country Number of Languages 17 CONTROLKEY Key Number (Power Key Included) 10 Key Type Dome Tact Indicator LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL Picture Mode GRIGINAL RATIO Vers PIP Yes SIX Axis Control Yes SUR Resolution+ Yes Gamma Camma 1.8, Gamma 2.0, Gamma 2.4, Gamma 2.4, Gamma 2.4, Gamma 2.6, DICOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K - 10000K)		V-Frequency (HDMI)	56~61Hz
DVI-D 1920 x 1080 SDI 1920 x 1080 OSD Country Worldwide Number of Languages 17 CONTROL KEY Key Number 10 Key Number 0 0 Key LDC Color (On mode) Green Indicator LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration1 / Calibration2 GRIGINAL RATIO Yes PIP PIP Yes SUPR Resolution+ SUPR Resolution+ Yes Super Resolution+ Gamma 2.6, DICOM Gamma a.2, Gamma 2.4, Gamma 2.4, Gamma 2.6, DICOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K ~ 10000K)	RESOLUTION	Digital (DVI-D)	1920 x 1080
SDI 1920 x 1080 OSD Country Wondwide Number of Languages 17 CONTROL KEY Key Number (Power Key Included) Dome Tact Key Type Dome Tact Indicator LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration 1 / Calibration2 SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration 1 / Calibration2 SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration 1 / Calibration2 GRIGINAL RATIO Yes PIP Yes SUP Resolution+ Yes Gamma Control Scamma 2.0, Gamma 2.0, Gamma 2.4, Gamma 2.4, Gamma 2.4, Gamma 2.5, DICOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K - 10000K) DICOM Mode Yes (K\delta <= 10%)			1920 x 1080
OSD Country Worldwide Number of Languages 17 CONTROL KEY Key Number (Power Key Included) 10 Key Type Dome Tact Indicator LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration1 / Calibration2 ORIGINAL RATIO Yes PIP Yes SUP Resolution+ Yes Gamma Camma 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 (K\delta <= 10%)		DVI-D	1920 x 1080
Number of Languages 17 CONTROL KEY Key Number (Power Key Included) 10 Key Type Dome Tact Indicator LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration1 / Calibration2 PIP Yes PIP Yes SIX Axis Control Yes Super Resolution+ Yes Gamma Camma 1.8, Gamma 2.0, Gamma 2.4, Gamma 2.4, Gamma 2.6, DICOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K ~ 10000K) DICOM Mode Yes (K\delta <= 10%)		SDI	1920 x 1080
CONTROL KEY (Power Key Included) 10 Key Type Dome Tact Indicator LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration1 / Calibration2 PIP Yes PIP Yes SUP Resolution + Yes Super Resolution + Yes Gamma Camma 1.8, Gamma 2.0, Gamma 2.4, Gamma 2.6, DICOM Goard DICOM Mode Yes (K\delta <= 10%)	OSD	,	
Provide Color Color Color Key Type Dome Tact Indicator LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Lcation] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration 1 / Calibration2 ORIGINAL RATIO Yes PIP Yes PBP Yes SUper Resolution+ Yes Gamma 2.6, DICOM Gamma 2.0, Gamma 2.0, Gamma 2.4, Gamma 2.6, GICOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K ~ 10000K) DICOM Mode Yes (K\delta <= 10%)			17
SPECIAL FEATURES Reg LED Color (On mode) Green Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration1 / Calibration2 ORIGINAL RATIO Yes PIP Yes SIX Axis Control Yes 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%)	CONTROL KEY	(Power Key Included)	
Key LED Color White (5/10/20sec,Always) [Key Location] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration1 / Calibration2 ORIGINAL RATIO Yes PIP Yes PBP Yes SiX Axis Control Yes Super Resolution+ Yes Gamma 2.6, DICOM Gamma 2.0, Gamma 2.4, Gamma 2.6, DICOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K ~ 10000K) DICOM Mode Yes (Kδ <= 10%)			
[Key Location] Front SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration 1 / Calibration 2 ORIGINAL RATIO Yes PIP Yes PBP Yes SIX Axis Control Yes Super Resolution + Yes Gamma 2.6, DICOM Gamma 2.4, Gamma 2.4, Gamma 2.6, GUCOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K ~ 10000K) DICOM Mode Yes (K\delta <= 10%)		. ,	
SPECIAL FEATURES Picture Mode Custom / Mono / sRGB / BT.709 / DICOM / Calibration1 / Calibration2 ORIGINAL RATIO Yes PIP Yes PBP Yes SiX Axis Control Yes Super Resolution+ Yes Gamma 2.6, DICOM Gamma 2.4, Gamma 2.4, Gamma 2.6, OLCOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K ~ 10000K) DICOM Mode Yes (K\delta <= 10%)			
FEATURES Picture Mode Calibration2 ORIGINAL RATIO Yes PIP Yes PBP Yes SIX Axis Control Yes Super Resolution+ Yes Gamma 2.6, DICOM 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%)		[Key Location]	
PIP Yes PBP Yes SIX Axis Control Yes 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%)	SPECIAL FEATURES		Calibration2
PBP Yes SIX Axis Control Yes Super Resolution + Yes Gamma Camma 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%)			
SIX Axis Control Yes 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%)			
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%)			
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%)			
Gamma 2.6, DICOM Gamma curve Color Temperature 6500K / 8500K / 9300K, Manual (5000K ~ 10000K) DICOM Mode Yes (Kδ <= 10%)		Super Resolution+	
DICOM Mode Yes (Kδ <= 10%)			2.6, DICOM Gamma curve
· · · · ·			
Pactory Calibration Yes (Delta EK2, Gamma 1.8 ~ 2.6 / DICUM curve)			· · · · · · · · · · · · · · · · · · ·
		Factory Calibration	res (Deita EKZ, Gamma 1.8 ~ 2.6 / DICUM CURVE)

SPECIAL FEATURES	MODEL	27HK510S-W
FEATURES	H/W Calibration (True Color Pro)	Yes (Calibration 1-2 Mode)
	Dynamic Sync Mode	Yes
	(Thru Mode)	
	Flicker safe Brightness Stabilization	Yes Yes
	Uniformity Compensation	Yes
	Black Stabilizer	Yes
	RS232	Yes
	DDC/CI	Yes
	HDCP	Yes (1.4)
	Key Lock	Yes
	Plug & Play Response Time Control	Yes Yes
	Smart Energy saving	Yes
	DPM (auto Screen Off)	Yes
	Mechanical Switch	Yes
	User Preset	Yes
	Auto Resolution -> Dual EDID	Yes
	Color Calibrated	Yes
	Flicker safe Mechanical Switch	Yes Yes
	Six Axis Control	Yes
	Smart Energy Saving	Yes
	Super Resolution+	Yes
	True Color Pro	Yes
	Anti-Micribial	Yes
MECHANICAL	Color - Front	White
	Color - Back Stand Included	White No
	Dimensions	25.7" x 16.2" x 2.3"
	Packed Dimensions	29.3" x 19.5" x 6.0"
	Wall Mount size (mm)	200x100 / 100x100
	Weight	17.0 lbs
	Packed Weight	24.5 lbs
STANDARDS	FDA	FDA Class I
	CE MDD CMDR	CE MDD Class I REGISTRATION Health Canada Class I REGISTRATION
	IEC	IEC60601-1
		ANSI/AAMI ES 60601-1
	cUL	CSA CAN/CSA-C22.2 NO. 60601-1
	EN	EN60601-1
	CISPR	IEC60601-1-2
	EN	EN60601-1-2
	IEC CISPR	IEC60950-1 IEC60601-1-2
	FCC	FCC part 15 Class A
	ICES	ICES-003
	KC	KC
	EN	CCE
	Ingress Protection (Dust/Water-proof)	Front : IP35 / Back : IP32
	Impact Protection (Vandal-proof)	IK06
	HDMI	Yes
	RoHS REACH	Yes
	WEEE	Yes Yes
ACCESSORIES	Power Cord	Yes with Adapter
	D-Sub	Yes
	DVI-D	Yes
	HDMI	Yes
	Manual	Yes
	Factory Calibration Report	Yes
	Graphic Card Guide	Yes Yes - User Manual, Driver (Monitor, Calibrator), True Color Pro Dual Control On Screen Control 2 0
	UPC	Pro, Dual Control, On Screen Control 2.0 7 19192 62421 4
OTHER	Warranty	3-Year Limited Warranty (Parts/Labor/Backlight)
	waitditty	5-rear Limited Warrancy (Parts/Labor/Dackiight)

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

SPEC_27HK510S-W_011941_PR

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