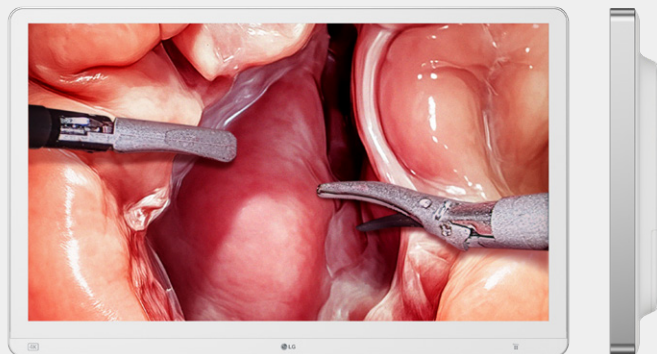




32-inch 4K Surgical Monitor

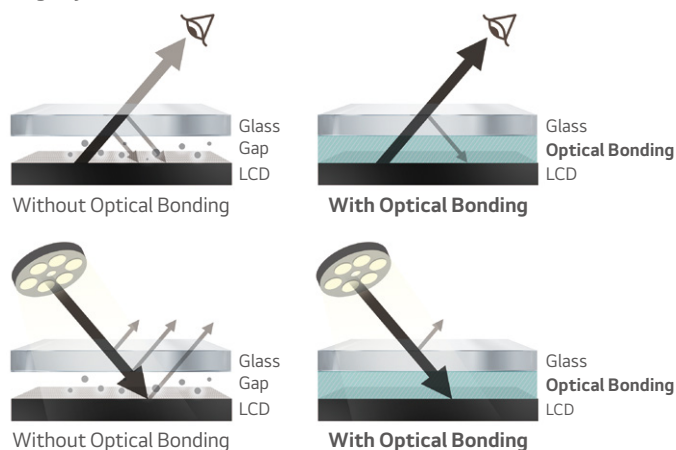
32HS710S



Suitable for Surgical Environments

Optical Bonding

The 32HS710S is engineered with optical bonding technology, seamlessly integrating the backlight, module, and glass without air gaps, further enhanced with Anti-Glare, Anti-Reflection, and Anti-Fingerprint coatings on the front glass. This combination significantly improves display readability by minimizing reflections and glare, optimizing image clarity and color accuracy even in brightly lit environments.

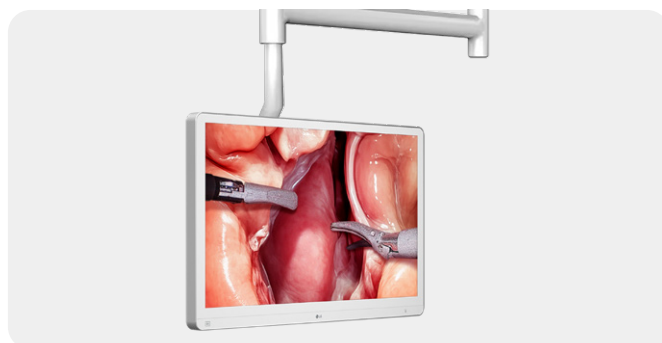


IP45 (front) & IP32 (except for front) & IK06

With IP45 (front) and IP32 (except for front) ratings, the 32HS710S is suitable for surgical environments where blood and other bodily fluids are likely to splash. Additionally, this monitor offers high resistance to physical impact, as denoted by its IK06 rating.

9.2 kg lightweight

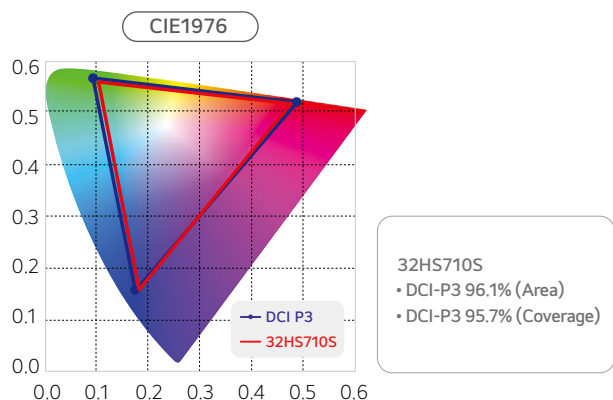
This monitor weighs less than 10 kg and can be used with 32-inch surgical monitor arms.



User Convenience

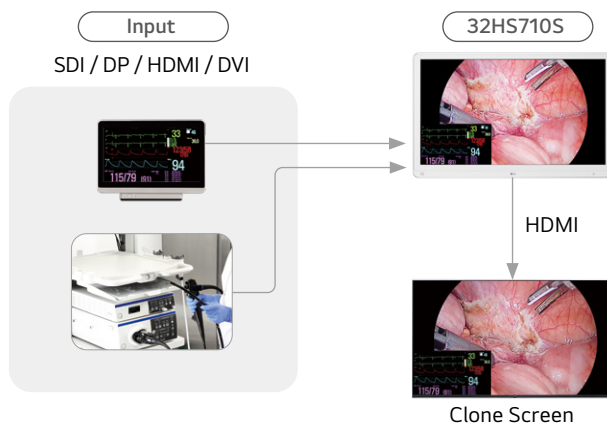
DCI-P3 95% (CIE 1976)

With a wide color range of DCI-P3 95% (CIE 1976 DCI-P3), the 32HS710S offers high-quality image performance.



Clone Screen

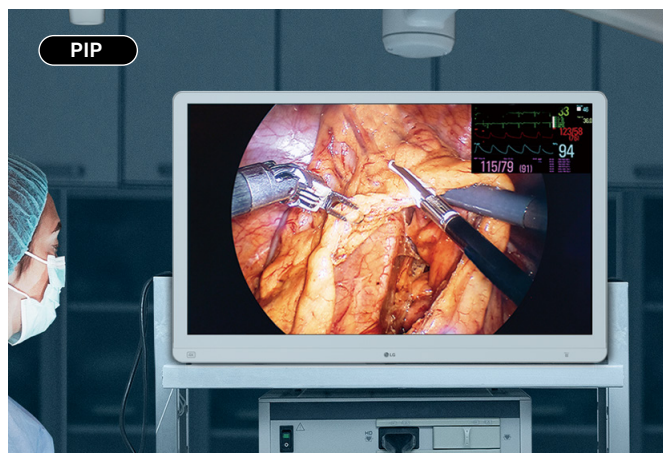
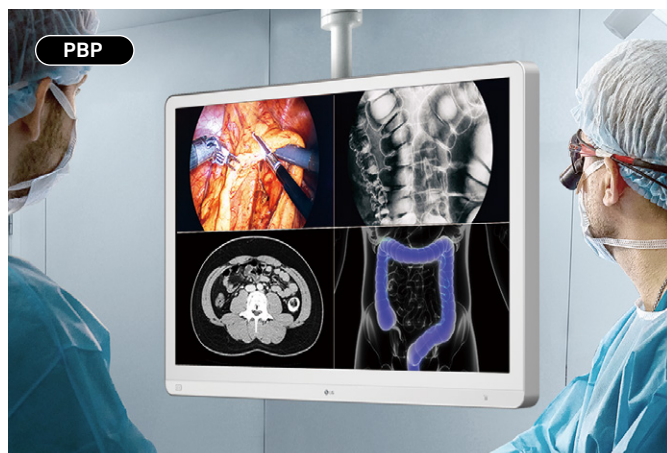
Using a clone screen function that replicates the entire display content onto a secondary monitor through HDMI output, members of the surgical team can visually monitor the progress of surgery which can help facilitate efficient collaboration and communication.



* All images, including surgical images on the display, are shown for illustrative purposes only, and may vary from the actual product / usage / or images appearing on the display.

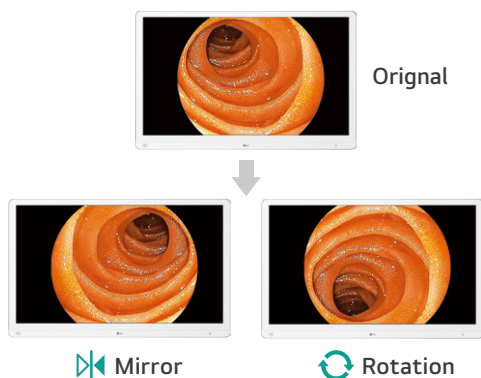
Up to 4 PBP & PIP

The 32HS710S supports both 4PBP (Picture-by-Picture) and PIP (Picture-in-Picture), allowing it to display input from up to four different sources simultaneously or overlay one input on another. These features enable medical professionals to monitor various critical information streams concurrently on a single screen, which can enhance operational efficiency and decision-making. For example, using the 32HS710S, medical staff can view a combination of laparoscopic and fluoroscopic images while monitoring vital signs.



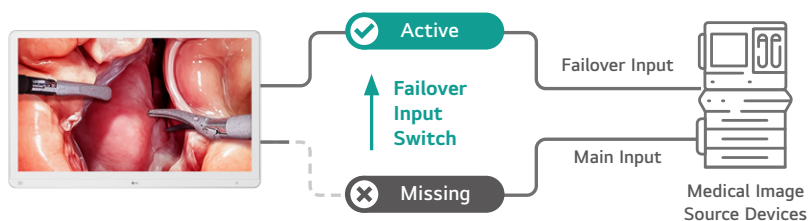
Mirror Mode & Rotation Mode

Mirror Mode and Rotation Mode allow users to adjust the display for optimal viewing, whether flipping the image horizontally or rotating it 180 degrees to match the orientation of the surgical camera.



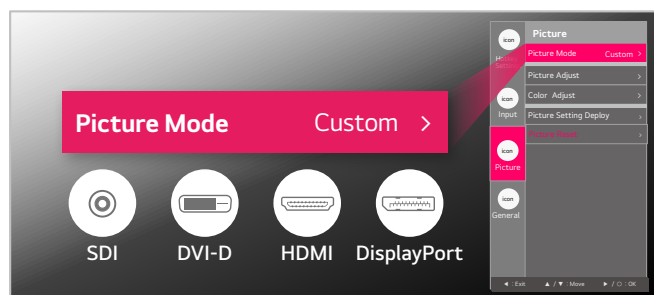
Failover Input Switch

The Failover Input Switch feature on this monitor provides uninterrupted display by automatically switching to an alternative video source if the primary input fails. This function is compatible across all interfaces, including HDMI, SDI, DVI, and DP, offering flexibility in setup and redundancy in signal sources. This seamless transition between inputs minimizes disruptions and provides consistent video output, essential for surgical applications where continuity and image clarity are highly important.



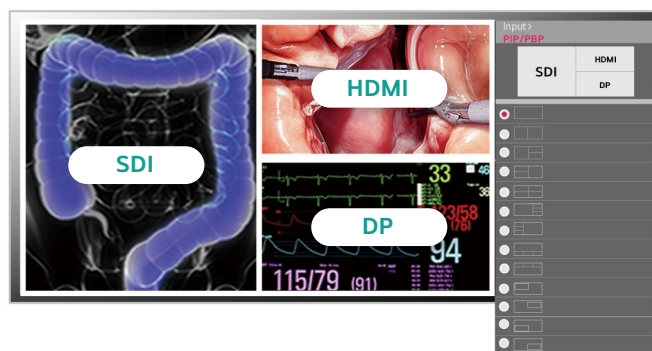
Individual Picture Mode Settings for Each Input Sources

This monitor allows for picture mode settings to be configured separately for each input source.



Instant Screen Mode Switching via Hotkeys

This monitor supports instant screen mode switching via input hotkeys and PBP hotkeys.



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* Please contact LG Electronics for the latest information.

32-inch 4K Surgical Monitor

32HS710S

Specification

32HS710S		
Model		
Display	Panel Type	IPS
	Size (Aspect Ratio)	31.5-inch (16 : 9)
	Resolution	4K (3,840 x 2,160)
	Backlight Technology	LED
	Color Gamut (Typ.)	DCI-P3 95% (CIE1976)
	Color Bit	10 bit
	Viewing Angle (CR≥10)	178° (Right / Left), 178° (Up / Down)
	Brightness (Typ.)	800 cd/m ²
	Brightness (Stabilization)	500 cd/m ²
	Peak Brightness (Typ.)	N/A
	Surface Treatment	Protection Glass (Optical Bonding, Anti-Reflection, Anti-Fingerprint, Anti-Glare)
	Contrast Ratio (Typ.)	1,000 : 1
	Response Time (GtG ¹⁾)	5 ms (GtG at Faster)
Feature	DICOM Compliant	Yes
	HW Calibration	Yes (LG Calibration Studio)
	HDR	HDR 10, HDR Effect
Video Signals	Input Terminals	HDMI x 1, DisplayPort x 1, SDI (3G) x 1, DVI-D x 1
	Output Terminals	HDMI (Clone Screen) x 1, SDI (3G) x 1
Connectivity	USB	USB 3.0 1 Upstream, 1 Downstream
Power	AC Input	100-240 Vac, 50/60 Hz
	Power Consumption (Max.)	100 W
	Power Consumption (DC Off)	Less than 0.3 W
Resistance Rating ²⁾		IP45 ³⁾ (Front), IP32 ⁴⁾ (Except for Front), IK06 ⁵⁾
User Convenience	PBP / PIP	Yes (2 / 3 / 4 PBP) / Yes
	Screen Flip	Mirror Mode & Rotation Mode
	Failover Input Switch	Yes
Physical Specifications	Weight	9.2 kg
	Wall Mount Size	200 x 100 mm / 100 x 100 mm
Certifications & Standards		FDA Class II, CE MDR Class I, UKCA Class I, Health Canada Class II, MFDS Class I IEC / EN 60601-1, IEC / EN 62368-1, ANSI / AAMI ES 60601-1, CSA CAN / CSA-C22.2 NO. 60601-1 IEC / EN 60601-1-2 (Medical EMC), EN 55032 / EN 55035 Class A,B (IT EMC), FCC part 15 Class A,B (IT EMC), ICES-003 Class A,B (IT EMC), AS / NZS CISPR 32 (IT EMC), VCCI Class A,B (IT EMC) RoHS, REACH, WEEE

1) GtG: Gray to gray response time
2) Tested under controlled laboratory conditions with an IP / IK rating. Dry before using. Do not charge while wet.
3) IP45: Protected against solid foreign objects of 1.0 mm Ø and greater / Protected against access to hazardous parts with a wire / Protected against water jets.
4) IP32: Protected against solid foreign objects of 2.5 mm Ø and greater / Protected against access to hazardous parts with a tool / Protected against vertically falling water drops when enclosure tilted up to 15°.
5) IK06: Protected against 1 joule impact.
* Specifications may vary by region and all features, standards, and other product specifications are subject to change without notice or obligation.

