



Our Precision, Your Vision

LG Medical Display



LG Virtual Showroom



WHY LG Medical Display

LG offers a diverse portfolio of products, including clinical review monitors, diagnostic monitors, surgical monitors, and even digital X-ray detectors. Leveraging the outstanding display technology, LG will continue to provide medical devices meeting the needs of medical professionals.

01 CLEAR IMAGE



02 WORK EFFICIENCY



03 USER CONVENIENCE



Application Guide

Consulting Room

Clinical Review Monitor



X-ray Room

Digital X-ray Detector



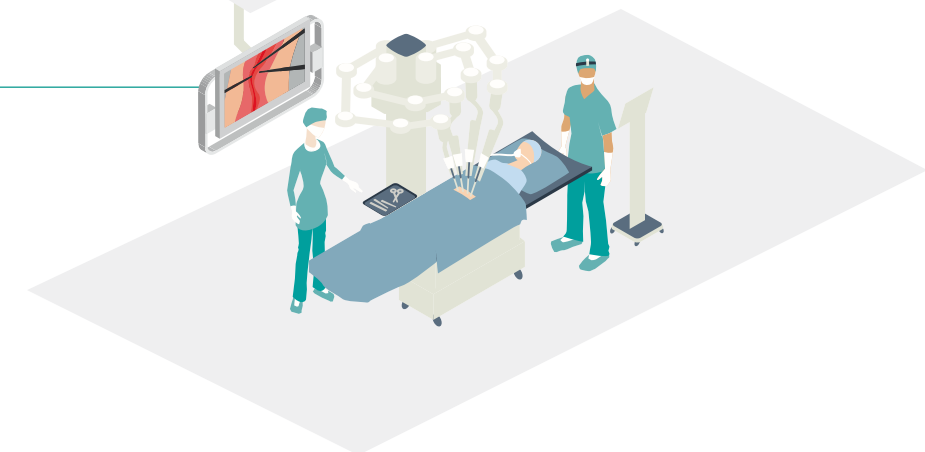
Reading Room

Clinical Review Monitor /
Diagnostic Monitor



Operating Room

Surgical Monitor



* All images are shown for illustrative purposes only and may vary from the actual product / usage.

Product Line-up

Clinical Review Monitor



27HJ712C
27-inch (16 : 9) | IPS
8MP (3,840 x 2,160)



27HJ713C
27-inch (16 : 9) | IPS
8MP (3,840 x 2,160)



27HS713C
27-inch (16 : 9) | IPS
8MP (3,840 x 2,160)



24HR513C
24-inch (16 : 10) | IPS
2MP (1,920 x 1,200)

Diagnostic Monitor



31HN713D
31-inch (3 : 2) | IPS
12MP (4,200 x 2,800)



32HQ713D
31.5-inch (16 : 9) | IPS Black
8MP (3,840 x 2,160)



32HL512D
31.5-inch (16 : 9) | IPS
8MP (3,840 x 2,160)

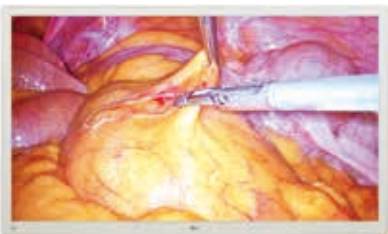


21HQ613D
21.3-inch (4 : 5) | IPS
5MP (2,048 x 2,560)



21HQ513D
21.3-inch (3 : 4) | IPS
3MP (1,536 x 2,048)

Surgical Monitor



55MH5K
55-inch (16 : 9) | IPS
4K (3,840 x 2,160)



32HR734S
31.5-inch (16 : 9) | IPS
Mini-LED
4K (3,840 x 2,160)



32HL714S
31.5-inch (16 : 9) | IPS
4K (3,840 x 2,160)



32HL710S
31.5-inch (16 : 9) | IPS
4K (3,840 x 2,160)



32HS710S
31.5-inch (16 : 9) | IPS
4K (3,840 x 2,160)



27HS714S
27-inch (16 : 9) | IPS
Mini-LED
4K (3,840 x 2,160)



27HQ710S
27-inch (16 : 9) | IPS
Mini-LED
4K (3,840 x 2,160)



27HK510S
27-inch (16 : 9) | IPS
Full HD (1,920 x 1,080)

Digital X-ray Detector

Oxide TFT



17HQ901G
Oxide TFT
Wired / Wireless



14HQ901G
Oxide TFT
Wired / Wireless

a-Si TFT



17HQ701G
a-Si TFT
Wired / Wireless



14HQ701G
a-Si TFT
Wired / Wireless



10HQ701G
a-Si TFT
Wired / Wireless

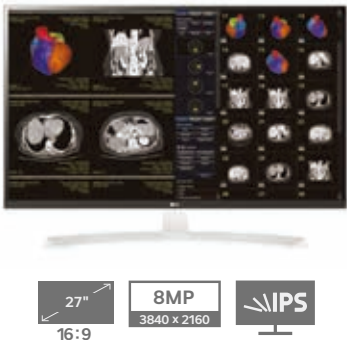


17HK700G-W
a-Si TFT
Wired

LG Medical Monitor

Clinical Review Monitor

27HJ712C



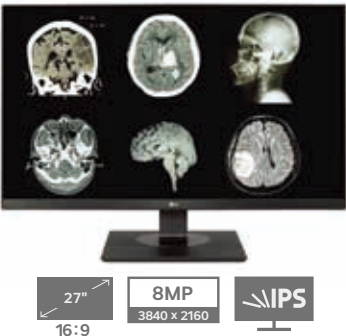
- DICOM Compliant
- HW Calibration
- Brightness (Typ.): 350 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): sRGB over 99% (Coverage)
- 3-Side Virtually Borderless Design
- 2PBP / Dual Controller
- Tilt / Height Adjustment / Pivot (+90°)

27HS713C



- DICOM Compliant
- HW Calibration
- Brightness (Typ.): 450 cd/m²
- Contrast Ratio (Typ.): 1,200 : 1
- Color Gamut (Typ.): DCI-P3 95% (CIE1976)
- 2PBP / Dual Controller
- Tilt / Swivel / Height Adjustment / Pivot (±90°)
- Focus View Mode
- IP45 (Front), IP32 (Except for Front), IK06

27HJ713C



- DICOM Compliant
- HW Calibration
- Brightness (Typ.): 350 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): sRGB over 99% (Coverage)
- 3-Side Virtually Borderless Design
- 2PBP / Dual Controller
- Tilt / Swivel / Height Adjustment / Pivot (±90°)

24HR513C



- DICOM Compliant
- HW Calibration with Internal Front Sensor
- Brightness (Typ.): 600 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Focus View Mode
- Pathology Mode
- Dual Controller
- Daisy Chain
- Tilt / Swivel / Height Adjustment / Auto Pivot (±90°)

Specification

		27HJ712C	27HJ713C	27HS713C	24HR513C
Model					
Resolution		8MP (3,840 × 2,160)	8MP (3,840 × 2,160)	8MP (3,840 × 2,160)	2MP (1,920 × 1,200)
Inch (Aspect Ratio)		27-inch (16 : 9)	27-inch (16 : 9)	27-inch (16 : 9)	24-inch (16 : 10)
Display	Panel Type	IPS	IPS	IPS	IPS
	Surface Treatment	Anti-glare	Anti-glare	Anti-glare	Anti-glare
	Color Gamut (Typ.)	sRGB over 99% (Coverage)	sRGB over 99% (Coverage)	DCI-P3 95% (CIE1976)	NTSC 70% (CIE1931)
	Color Bit	10 bit	10 bit	10 bit	8 bit
	Viewing Angles (CR≥10)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)
	Brightness (Typ.)	350 cd/m ²	350 cd/m ²	450 cd/m ²	600 cd/m ²
	Brightness (Stabilization)	250 cd/m ²	250 cd/m ²	250 cd/m ²	350 cd/m ²
	Contrast Ratio (Typ.)	1,000 : 1	1,000 : 1	1,200 : 1	1,000 : 1
Feature	Response Time (GtG ¹⁾)	14 ms (Off-setting), 5 ms (Faster-setting)	14 ms (Off-setting), 5 ms (Faster-setting)	5 ms (GtG at Faster)	5 ms (Faster-setting)
	DICOM Compliant	Yes	Yes	Yes	Yes
	HW Calibration	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)
	Picture Mode	Custom, Mono, Reader, sRGB, Color Weakness, EBU, REC709, SMPTE-C, DICOM, Calibration 1, Calibration 2	Custom, Mono, Reader, sRGB, Color Weakness, EBU, REC709, SMPTE-C, DICOM, Calibration 1, Calibration 2	Custom, Mono, Text, DICOM, DICOM (Custom), Calibration 1, Calibration 2	Custom, Mono, Pathology, Text, DICOM, DICOM (Custom), Calibration 1, Calibration 2
	Super Resolution+	Yes	Yes	Yes	Yes
Video Signals	Focus View Mode	-	-	Yes	Yes
	Input Terminals	HDMI x 2, DisplayPort x 1	HDMI x 2, DisplayPort x 1	HDMI x 1, DisplayPort x 1, USB-C x 1	HDMI x 1, DisplayPort x 1, DVI-D x 1
Connectivity	Output Terminals	-	-	-	DisplayPort x 1 (Daisy Chain, 2MP / @60 Hz)
	USB	USB 3.0 1 Upstream, 2 Downstream	USB 3.0 1 Upstream, 2 Downstream	USB 2.0 2 Upstream, USB 2.0 3 Downstream (1 of 3 is only for a calibration sensor, 0.9 A)	USB 3.0 2 Upstream, 2 Downstream
Power	AC Input	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz
	Power Consumption (Max.)	65 W	65 W	65 W	65 W
	Power Consumption (DC Off)	Less than 0.3 W	Less than 0.3 W	Less than 0.3 W	Less than 0.3 W
User Convenience	PBP / Dual Controller	Yes (2PBP) / Yes	Yes (2PBP) / Yes	Yes (2PBP) / Yes	No / Yes
	Reader Mode / Flicker Safe	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	Auto Luminance Sensor	-	-	-	Yes
	Front Sensor (Built-in Calibration)	-	-	-	Yes
Physical Specifications	Weight (without Stand)	4.7 kg (10.4 lb)	4.7 kg (10.4 lb)	3.8 kg (8.4 lb, with Calibrator)	4.35 kg (9.5 lb)
	Weight (with Stand)	6.2 kg (13.7 lb)	7.5 kg (16.5 lb)	6.6 kg (14.6 lb, with Calibrator)	7.1 kg (15.6 lb)
	Borderless Design	3-Side Virtually Borderless Design	3-Side Virtually Borderless Design	3-Side Virtually Borderless Design	-
	Adjustable Stand	Tilt: -3° ~ 20°, Pivot: +90°, Height Range: 110 mm	Tilt: -5° ~ 25°, Swivel: ±45°, Pivot: ±90° (Bi-Directional), Height Range: 150 mm	Tilt: -5° ~ 25°, Swivel: ±45°, Pivot: ±90° (Bi-Directional), Height Range: 150 mm	Tilt: -5° ~ 25°, Swivel: ±45°, Auto Pivot ²⁾ : ±90° (Bi-Directional), Height Range: 150 mm
	Wall Mount Size	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm

1) GtG: Gray to gray response time

2) Auto Pivot refers to the automatic screen rotation function.

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LG Medical Monitor

Diagnostic Monitor

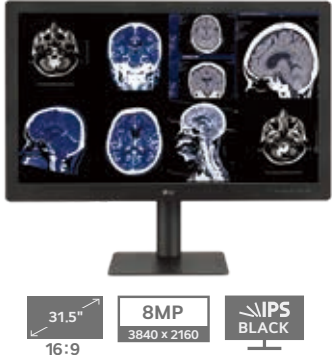


31HN713D



- DICOM Compliant
- HW Calibration with Internal Front Sensor
- Multi-Resolution Mode (12 / 6MP)
- Brightness (Typ.): 1,200 cd/m²
- Contrast Ratio (Typ.): 1,500 : 1
- Color Gamut (Typ.): sRGB over 97% (Coverage)
- Focus View Mode
- Pathology Mode
- 6 Hot Keys
- 2PBP / Dual Controller
- Presence Sensor
- Lighting (Down / Wall)

32HQ713D



- DICOM Compliant
- HW Calibration with Internal Front Sensor
- Multi-Resolution Mode (8 / 6 / 4MP)
- Brightness (Typ.): 1,000 cd/m²
- Contrast Ratio (Typ.): 2,000 : 1
- Color Gamut (Typ.): sRGB 100% (CIE1931)
- Focus View Mode
- Pathology Mode
- 6 Hot Keys
- 2PBP / Dual Controller
- Presence Sensor
- Lighting (Down / Wall)

32HL512D



- DICOM Compliant
- HW Calibration
- Multi-Resolution Mode (8 / 6 / 4MP)
- Brightness (Typ.): 450 cd/m²
- Contrast Ratio (Typ.): 1,300 : 1
- Color Gamut (Typ.): DCI-P3 98% (CIE1976)
- Focus View Mode
- Pathology Mode
- HDR 10
- 4-Side Virtually Borderless Design
- 2PBP / Dual Controller
- Pivot (±90°)

Specification

		31HN713D	32HQ713D	32HL512D
Model				
Resolution		12MP (4,200 x 2,800)	8MP (3,840 x 2,160)	8MP (3,840 x 2,160)
Inch (Aspect Ratio)		31-inch (3 : 2)	31.5-inch (16 : 9)	31.5-inch (16 : 9)
Display	Panel Type	IPS	IPS Black	IPS
	Surface Treatment	Anti-glare	Anti-glare	Anti-glare
	Color Gamut (Typ.)	sRGB over 97% (Coverage)	sRGB 100% (CIE1931)	DCI-P3 98% (CIE1976)
	Color Bit	10 bit	10 bit	10 bit
	Viewing Angles (CR≥10)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)
	Brightness (Typ.)	1,200 cd/m ²	1,000 cd/m ²	450 cd/m ²
	Brightness (Stabilization)	550 cd/m ²	500 cd/m ²	250 cd/m ² (Clinical Mode Setting), 350 cd/m ² (Diagnostic Mode Setting)
	Contrast Ratio (Typ.)	1,500 : 1	2,000 : 1	1,300 : 1
Feature	Response Time (GtG ¹⁾)	14 ms (Off-setting), 5 ms (Faster-setting)	14 ms (GtG, Not Support OD)	14 ms (Off-setting), 5 ms (Faster-setting)
	DICOM Compliant	Yes	Yes	Yes
	HW Calibration	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)
	Picture Mode	Custom, Mono, Pathology, Text, DICOM, Calibration 1, Calibration 2	Custom, Mono, Pathology, Text, DICOM, Calibration 1, Calibration 2	Custom, Mono, Pathology, Reader, Vivid, HDR Effect, DICOM (Clinical), DICOM (Diagnostic), Calibration 1, Calibration 2
	Super Resolution+	Yes	Yes	Yes
	Multi Resolution Mode	Yes (12MP / 6MP)	Yes (8MP / 6MP / 4MP)	Yes (8MP / 6MP / 4MP)
	Focus View Mode	Yes	Yes	Yes
	Light Box Mode	Yes	Yes	No
Video Signals	Input Terminals	DisplayPort x 2	DisplayPort x 2	HDMI x 1, DisplayPort x 2
	Output Terminals	-	-	-
Connectivity	USB	USB 3.0 1 Upstream, 3 Downstream	USB 3.0 2 Upstream, 2 Downstream	USB 2.0 1 Upstream, 2 Downstream
	AC Input	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz
Power	Power Consumption (Max.)	180 W	120 W	65 W
	Power Consumption (DC Off)	Less than 0.3 W	Less than 0.3 W	Less than 0.3 W
	PBP / Dual Controller	Yes (2PBP) / Yes	Yes (2PBP) / Yes	Yes (2PBP) / Yes
User Convenience	Reader Mode / Flicker Safe	Yes (Text Mode) / Yes	Yes / Yes	Yes / Yes
	Lighting	Yes (Down / Wall)	Yes (Down / Wall)	No
	Presence Sensor	Yes	Yes	No
	Auto Luminance Sensor	Yes	Yes	No
	Front Sensor (Built-in Calibration)	Yes	Yes	No
Physical Specifications	Weight (without Stand)	10.7 kg (23.6 lb)	9.7 kg (21.4 lb)	5.6 kg (12.4 lb)
	Weight (with Stand)	14.0 kg (30.9 lb)	13.0 kg (28.6 lb)	7.0 kg (15.4 lb)
	Borderless Design	Normal	Normal	4-Side Virtually Borderless Design
	Adjustable Stand	Tilt: -5° ~ 20°, Swivel: ±15°, Height Range: 110 mm	Tilt: -5° ~ 15°, Swivel: ±15°, Height Range: 110 mm	Tilt: -5° ~ 20°, Pivot: ±90° (Bi-Directional), Height Range: 110 mm
	Wall Mount Size	100 x 100 mm	100 x 100 mm	100 x 100 mm

1) GtG: Gray to gray response time

2) Auto Pivot refers to the automatic screen rotation function.

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LG Medical Monitor

Diagnostic Monitor



21HQ613D



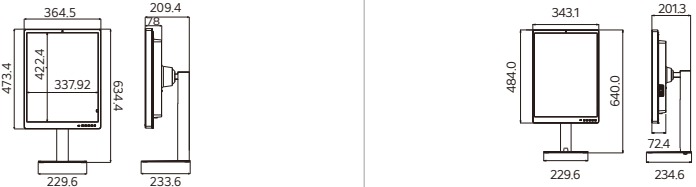
- DICOM Compliant
- HW Calibration with Internal Front Sensor
- Multi-Resolution Mode (5 / 3 / 2MP)
- Brightness (Typ.): 1,100 cd/m²
- Contrast Ratio (Typ.): 1,800 : 1
- Color Gamut (Typ.): NTSC 72% (CIE1931)
- Focus View Mode
- Pathology Mode
- 5 Hot Keys
- Dual Controller
- Presence Sensor
- Lighting (Down / Wall)
- Auto Pivot (±90°)
- Daisy Chain

21HQ513D



- DICOM Compliant
- HW Calibration with Internal Front Sensor
- Multi-Resolution Mode (3 / 2MP)
- Brightness (Typ.): 1,100 cd/m²
- Contrast Ratio (Typ.): 1,800 : 1
- Color Gamut (Typ.): NTSC 72% (Coverage)
- Focus View Mode
- Pathology Mode
- 5 Hot Keys
- Dual Controller
- Presence Sensor
- Lighting (Down / Wall)
- Auto Pivot (±90°)
- Daisy Chain

Specification

		21HQ613D	21HQ513D
Model			
Resolution		5MP (2,048 x 2,560)	3MP (1,536 x 2,048)
Inch (Aspect Ratio)		21.3-inch (4 : 5)	21.3-inch (3 : 4)
Display	Panel Type	IPS	IPS
	Surface Treatment	Anti-glare	Anti-glare
	Color Gamut (Typ.)	NTSC 72% (CIE1931)	NTSC 72%
	Color Bit	10 bit	10 bit
	Viewing Angles (CR≥10)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)
	Brightness (Typ.)	1,100 cd/m²	1,100 cd/m²
	Brightness (Stabilization)	600 cd/m²	500 cd/m²
	Contrast Ratio (Typ.)	1,800 : 1	1,800 : 1
	Response Time (GtG¹)	5 ms (Faster-setting)	5 ms (Faster-setting)
Feature	DICOM Compliant	Yes	Yes
	HW Calibration	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)
	Picture Mode	Custom, Mono, Pathology, Text, DICOM, DICOM (Custom), Calibration 1, Calibration 2	Custom, Mono, Pathology, Text, DICOM, DICOM (Custom), Calibration 1, Calibration 2
	Super Resolution+	Yes	Yes
	Multi Resolution Mode	Yes (5MP / 3MP / 2MP)	Yes (3MP / 2MP)
	Focus View Mode	Yes	Yes
	Light Box Mode	Yes	Yes
Video Signals	Input Terminals	DisplayPort x 2, DVI-D (Dual Link) x 1	DisplayPort x 2, DVI x 1
	Output Terminals	DisplayPort x 1 (Daisy Chain, 5MP / @48 Hz)	DisplayPort x 1 (Daisy Chain, 3MP/ @60 Hz)
Connectivity	USB	USB 3.0 2 Upstream, 2 Downstream	USB 3.0 2 Upstream, 2 Downstream
Power	AC Input	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz
	Power Consumption (Max.)	120 W	120 W
	Power Consumption (DC Off)	Less than 0.3 W	Less than 0.3 W
User Convenience	PBP / Dual Controller	No / Yes	No / Yes
	Reader Mode / Flicker Safe	Yes (Text Mode) / Yes	Yes (Text Mode) / Yes
	Lighting	Yes (Down / Wall)	Yes (Down / Wall)
	Presence Sensor	Yes	Yes
	Auto Luminance Sensor	Yes	Yes
	Front Sensor (Built-in Calibration)	Yes	Yes
Physical Specifications	Weight (without Stand)	5.45 kg (12.0 lb)	5.0 kg (11.0 lb)
	Weight (with Stand)	7.85 kg (17.3 lb)	7.4 kg (16.3 lb)
	Borderless Design	Normal	Normal
	Adjustable Stand	Tilt: -5° ~ 20°, Swivel: ±15°, Auto Pivot 2): ±90° (Bi-Directional), Height Range: 110 mm	Tilt: -5° ~ 20°, Swivel: ±15°, Auto Pivot 2): ±90° (Bi-Directional), Height Range: 110 mm
	Wall Mount Size	100 x 100 mm	100 x 100 mm

1) GtG: Gray to gray response time

2) Auto Pivot refers to the automatic screen rotation function.

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LG Medical Monitor

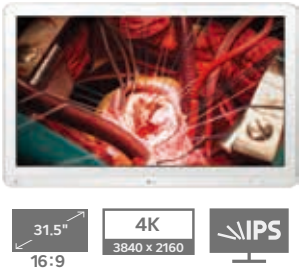
Surgical Monitor

55MH5K



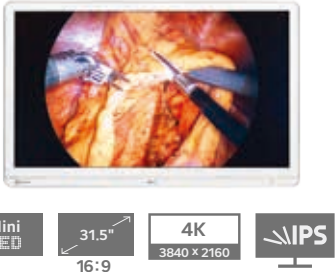
- 12G-SDI Support
- HDR 10 Support
- Brightness (Typ.): 680 cd/m²
- Contrast Ratio (Typ.): 1,100 : 1
- Color Gamut (Typ.): DCI-P3 86% (CIE1976)
- Failover Input Switch
- Mirror & Rotation Mode
- 2 / 3 / 4PBP, PIP
- IP45 (Front), IP32 (Except for Front), IK06

32HL710S



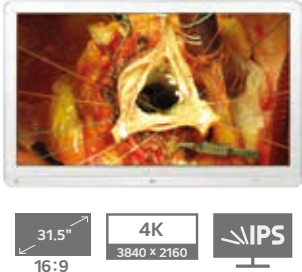
- 3G-SDI Support
- HDR 10 Support
- Brightness (Typ.): 800 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): sRGB over 99% (Coverage)
- Failover Input Switch
- Mirror & Rotation Mode
- 2 / 3 / 4PBP, PIP
- IP35 (Front), IP32 (Except for Front), IK06

32HR734S



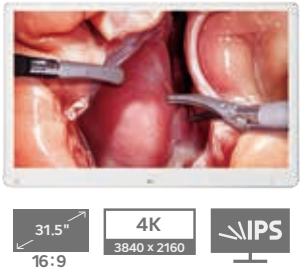
- 12G-SDI Support
- HDR 10 Support
- Brightness (Typ.): 800 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): DCI-P3 98% (Coverage)
- Clone Screen
- Failover Input Switch
- Mirror & Rotation Mode
- 2 / 3 / 4PBP, PIP
- IP45 (Front), IP32 (Except for Front), IK06

32HL714S



- 12G-SDI Support
- HDR 10 Support
- Brightness (Typ.): 800 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): sRGB over 99% (Coverage)
- Failover Input Switch
- Mirror & Rotation Mode
- 2 / 3 / 4PBP, PIP
- IP35 (Front), IP32 (Except for Front), IK06

32HS710S



- 3G-SDI Support
- HDR 10 Support
- Brightness (Typ.): 800 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): DCI-P3 95% (CIE1976)
- Failover Input Switch
- Mirror & Rotation Mode
- 2 / 3 / 4PBP, PIP
- IP45 (Front), IP32 (Except for Front), IK06

* 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.

Specification

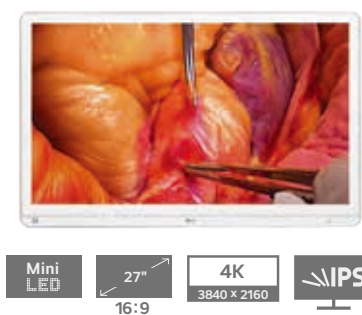
		55MH5K	32HR734S	32HL714S	32HL710S	32HS710S
Model						
Resolution		4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)
Inch (Aspect Ratio)		55-inch (16 : 9)	31.5-inch (16 : 9)	31.5-inch (16 : 9)	31.5-inch (16 : 9)	31.5-inch (16 : 9)
Display	Panel Type	IPS	IPS	IPS	IPS	IPS
	Color Gamut (Typ.)	DCI-P3 86% (CIE1976)	DCI-P3 98% (CIE1976)	sRGB 115% (Area), sRGB over 99% (Coverage)	sRGB 115% (Area), sRGB over 99% (Coverage)	DCI-P3 95% (CIE1976)
	Color Bit	10 bit	10 bit	10 bit	10 bit	10 bit
	Viewing Angles (CR≥10)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)
	Brightness (Typ.)	680 cd/m²	800 cd/m²	800 cd/m²	800 cd/m²	800 cd/m²
	Brightness (Stabilization)	400 cd/m² (DICOM: 350 cd/m²)	500 cd/m²	500 cd/m²	500 cd/m²	500 cd/m²
	Surface Treatment	Protection Glass (3.1t, Anti-reflection, Anti-fingerprint)	Protection Glass (1.3t, Optical Bonding, Anti-reflection, Anti-fingerprint, Anti-glare)	Protection Glass (1.6t, Anti-reflection, Anti-fingerprint)	Protection Glass (1.6t, Anti-reflection, Anti-fingerprint)	Protection Glass (1.3t, Optical Bonding, Anti-reflection, Anti-fingerprint, Anti-glare)
	Contrast Ratio (Typ.)	1,100 : 1	1,000 : 1	1,000 : 1	1,000 : 1	1,000 : 1
	Response Time (GtG ¹⁾)	9 ms (Off-setting), 5 ms (Faster-setting)	5 ms (GtG at Faster)	14 ms (Off-setting), 5 ms (Faster-setting)	14 ms (Off-setting), 5 ms (Faster-setting)	5 ms (GtG at Faster)
Feature	DICOM Compliant	Yes	Yes	Yes	Yes	Yes
	HW Calibration	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)
	HDR	HDR 10, HDR Effect	HDR 10, HDR Effect	HDR 10, HDR Effect	HDR 10, HDR Effect	HDR 10, HDR Effect
Video Signals	Input Terminals	HDMI x 1, DisplayPort x 1, DVI-D x 1, SDI (12G / 3G) x 4, SFP x 1	HDMI x 1, DisplayPort x 1, DVI-D x 1, SDI (12G / 3G) x 4	HDMI x 1, DisplayPort x 1, DVI x 1, SDI (12G / 3G) x 4, SFP x 1	HDMI x 1, DisplayPort x 1, DVI x 1, 3G-SDI x 1	HDMI x 1, DisplayPort x 1, DVI-D x 1, 3G-SDI x 1
	Output Terminals	DisplayPort x 1, DVI-D x 1, SDI (12G / 3G) x 4	HDMI (Clone Screen) x 1, SDI (12G / 3G) x 4	DisplayPort x 1, DVI x 1, SDI (12G / 3G) x 4	DisplayPort x 1, DVI x 1, 3G-SDI x 1	HDMI (Clone Screen) x 1, 3G-SDI x 1
Connectivity	USB	USB 3.0 1 Upstream, 1 Downstream	USB 3.0 1 Upstream, 1 Downstream	USB 2.0 1 Upstream, 1 Downstream	USB 2.0 1 Upstream, 1 Downstream	USB 3.0 1 Upstream, 1 Downstream
Power	AC Input	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz
	Power Consumption (Max.)	180 W	130 W	180 W	120 W	100 W
	Power Consumption (DC Off)	Less than 0.3 W	Less than 0.3 W	Less than 0.3 W	Less than 0.3 W	Less than 0.3 W
	Resistance Rating ²⁾	IP45 ³⁾ (Front), IP32 ⁴⁾ (Except for Front), IK06 ⁵⁾	IP45 ³⁾ (Front), IP32 ⁴⁾ (Except for Front), IK06 ⁵⁾	IP35 ⁶⁾ (Front), IP32 ⁴⁾ (Except for Front), IK06 ⁵⁾	IP35 ⁶⁾ (Front), IP32 ⁴⁾ (Except for Front), IK06 ⁵⁾	IP45 ³⁾ (Front), IP32 ⁴⁾ (Except for Front), IK06 ⁵⁾
User Convenience	PBP / PIP	Yes (2 / 3 / 4PBP) / Yes	Yes (2 / 3 / 4PBP) / Yes	Yes (2 / 3 / 4PBP) / Yes	Yes (2 / 3 / 4PBP) / Yes	Yes (2 / 3 / 4PBP) / Yes
	Screen Filp	Mirror Mode & Rotation Mode	Mirror Mode & Rotation Mode	Mirror Mode & Rotation Mode	Mirror Mode & Rotation Mode	Mirror Mode & Rotation Mode
	Failover Input Switch	Yes	Yes	Yes	Yes	Yes
Physical Specifications	Weight	34.8 kg (76.7 lb)	9.7 kg (21.4 lb)	13.5 kg (29.8 lb)	12.4 kg (27.3 lb)	9.2 kg (20.3 lb)
	Wall Mount Size	200 x 200 mm / 300 x 300 mm	200 x 100 mm / 100 x 100 mm	200 x 100 mm / 100 x 100 mm	200 x 100 mm / 100 x 100 mm	200 x 100 mm / 100 x 100 mm

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.
6) IP35: Protected against solid foreign objects of 2.5 mm Ø and greater / Protected against access to hazardous parts with a tool / Protected against water jets.
* Specifications may vary by region and all features, standards, and other product specifications are subject to change without notice or obligation.

LG Medical Monitor

Surgical Monitor

27HS714S



- 12G / 3G-SDI Support
- Brightness (Typ.): 800 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): DCI-P3 98% (CIE1976)
- Failover Input Switch
- Mirror & Rotation Mode
- 2 / 3 / 4PBP, PIP
- IP45 (Front), IP32 (Except for Front), IK06

27HQ710S



- 3G-SDI Support
- HDR 10 Support
- Brightness (Typ.): 800 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): DCI-P3 98% (Coverage)
- Failover Input Switch
- Mirror & Rotation Mode
- 2 / 3 / 4PBP, PIP
- IP45 (Front), IP32 (Except for Front), IK06

27HK510S



- 3G-SDI Support
- Brightness (Typ.): 1,000 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): sRGB over 99% (Coverage)
- Failover Input Switch
- 2PBP, PIP
- IP35 (Front), IP32 (Except for Front), IK06

Specification

		27HS714S	27HQ710S	27HK510S
Model				
	Resolution	4K (3,840 x 2,160)	4K (3,840 x 2,160)	Full HD (1,920 x 1,080)
Inch (Aspect Ratio)		27-inch (16 : 9)	27-inch (16 : 9)	27-inch (16 : 9)
Display	Panel Type	IPS	IPS	IPS
	Color Gamut (Typ.)	DCI-P3 98% (CIE1976)	DCI-P3 110.9% (Area), DCI-P3 98% (Coverage)	sRGB 115% (Area), sRGB over 99% (Coverage)
	Color Bit	10 bit	10 bit	10 bit
	Viewing Angles (CR≥10)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)	178° (Right / Left), 178° (Up / Down)
	Brightness (Typ.)	800 cd/m²	800 cd/m²	1,000 cd/m²
	Brightness (Stabilization)	500 cd/m²	500 cd/m²	600 cd/m²
	Surface Treatment	Protection Glass (1.3t, Optical Bonding, Anti-reflection, Anti-fingerprint, Anti-glare)	Protection Glass (1.3t, Optical Bonding, Anti-reflection, Anti-fingerprint)	Protection Glass (1.6t, Anti-reflection, Anti-fingerprint)
	Contrast Ratio (Typ.)	1,000 : 1	1,000 : 1	1,000 : 1
Feature	Response Time (GtG ¹⁾)	5 ms (GtG at Faster)	5 ms (Faster-setting)	14 ms (Off-setting), 5 ms (Faster-setting)
	DICOM Compliant	Yes	Yes	Yes
	HW Calibration	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)	Yes (LG Calibration Studio Medical)
	HDR	HDR 10, HDR Effect	HDR 10, HDR Effect	No
Video Signals	Input Terminals	HDMI x 1, DisplayPort x 1, DVI-D x 1, SDI (12G / 3G) x 4	HDMI x 1, DisplayPort x 1, DVI-D x 1, 3G-SDI x 1	HDMI x 1, 3G-SDI x 1, DVI-D x 1, D-sub x 1
	Output Terminals	DisplayPort x 1, DVI-D x 1, SDI (12G / 3G) x 4	DisplayPort x 1, DVI-D x 1, 3G-SDI x 1	DVI-D x 1, 3G-SDI x 1
Connectivity	USB	USB 3.0 1 Upstream, 1 Downstream	USB 3.0 1 Upstream, 1 Downstream	USB 3.0 1 Upstream, 1 Down tream
Power	AC Input	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz
	Power Consumption (Max.)	120 W	120 W	120 W
	Power Consumption (DC Off)	Less than 0.3 W	Less than 0.3 W	Less than 0.3 W
	Resistance Rating ²⁾	IP45 ³⁾ (Front), IP32 ⁴⁾ (Except for Front), IK06 ⁵⁾	IP45 ³⁾ (Front), IP32 ⁴⁾ (Except for Front), IK06 ⁵⁾	IP35 ⁶⁾ (Front), IP32 ⁴⁾ (Except for Front), IK06 ⁵⁾
User Convenience	PBP / PIP	Yes (2 / 3 / 4PBP) / Yes	Yes (2 / 3 / 4PBP) / Yes	Yes (2PBP) / Yes
	Screen Filp	Mirror Mode & Rotation Mode	Mirror Mode & Rotation Mode	No
	Failover Input Switch	Yes	Yes	Yes
Physical Specifications	Weight	8.8 kg (19.4 lb)	8 kg (18 lb)	7.7 kg (17 lb)
	Wall Mount Size	200 x 100 mm / 100 x 100 mm	200 x 100 mm / 100 x 100 mm	200 x 100 mm / 100 x 100 mm

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.
6) IP35: Protected against solid foreign objects of 2.5 mm Ø and greater / Protected against access to hazardous parts with a tool / Protected against water jets.
* Specifications may vary by region and all features, standards, and other product specifications are subject to change without notice or obligation.

* 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.

LG Digital X-ray Detector

Digital X-ray Detector

Oxide TFT

17HQ901G



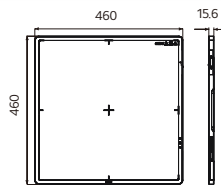
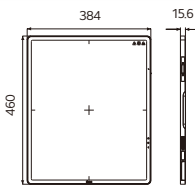
- Oxide TFT
- 140 μm Pixel Size
- 16 bit A/D Conversion
- Raw Image in 2 s (Wireless) & 1.5 s (Wired)
- IP68

14HQ901G



- Oxide TFT
- 140 μm Pixel Size
- 16 bit A/D Conversion
- Raw Image in 2 s (Wireless) & 1.5 s (Wired)
- IP68

Specification

		17HQ901G (17 x 17-inch)	14HQ901G (14 x 17-inch)
Model			
Dimension / Weight (Including Battery)		460 mm x 460 mm x 15.6 mm	384 mm x 460 mm x 15.6 mm
		3.6 kg (8 lb)	3.0 kg (6.6 lb)
Intended Use		General Radiography	General Radiography
TFT Type		Oxide	Oxide
Scintillator		CsI	CsI
Pixel Pitch		140 μm	140 μm
Image Area	Number of Pixels	3,072 x 3,072 pixels	3,072 x 2,560 pixels
	TFT Active Area	430.08 x 430.08 mm	358.40 x 430.08 mm
MTF	MTF @ 0.5lp/mm (Typ.)	84%	84%
A/D Conversion		16 bit	16 bit
Data Output		16 bit	16 bit
Communication	Type	Wired / Wireless	Wired / Wireless
	WLAN	IEEE802.11a/b/g/n/ac, 2.4 GHz / 5 GHz	IEEE802.11a/b/g/n/ac, 2.4 GHz / 5 GHz
	Auto Exposure Detection	Yes	Yes
Cycle Time		4.5 sec (Wired) / 5 sec (Wireless)	4.5 sec (Wired) / 5 sec (Wireless)
Full Image Transfer (Typ.) (without Window Time)		1.5 sec (Wired) / 2 sec (Wireless)	1.5 sec (Wired) / 2 sec (Wireless)
Durability	Maximum Load Weight	Full (Uniform Load): 400 kg (881.8 lb)	Full (Uniform Load): 400 kg (881.8 lb)
		Local (Point Load): 200 kg (440.9 lb)	Local (Point Load): 200 kg (440.9 lb)
	IP Rating	IP68 ¹⁾	IP68 ¹⁾
	Drop (IEC60601-1 Test Condition)	1.5 m	1.5 m
	Sensor Protection Plate	Carbon Fiber Plate	Carbon Fiber Plate
Battery	Operation Time	300 Shots / 7.5 Hrs (Typ.) (Condition: Cycle Time 90 sec)	320 Shots / 8.0 Hrs (Typ.) (Condition: Cycle Time 90 sec)
	Charging Time	3 hrs (Typ.)	3 hrs (Typ.)
	Hot Swap	Yes (1 Min)	Yes (1 Min)
Accessories	Cable	Power Cord, Main Cable 7 m (LAN Cable, Sync Cable Option)	Power Cord, Main Cable 7 m (LAN Cable, Sync Cable Option)
	Other	Battery Charger	Battery Charger
		2 x Battery Packs	2 x Battery Packs
		Control Box	Control Box

* All images are shown for illustrative purposes only and may vary from the actual product / usage.

1) IP68: Dust-tight / Protected against access to hazardous parts with a wire / Protected against the effects of continuous immersion in water.

* Specifications may vary by region and all features, standards, and other product specifications are subject to change without notice or obligation.

LG Digital X-ray Detector

Digital X-ray Detector

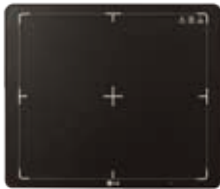
a-Si TFT

17HQ701G



- a-Si TFT
- 140 μm Pixel Size
- 16 bit A/D Conversion
- Raw Image in 2.5 s (Wireless) & 1.5 s (Wired)
- IP68

10HQ701G



- a-Si TFT
- 140 μm Pixel Size
- 16 bit A/D Conversion
- Raw Image in 2 s (Wireless) & 1.5 s (Wired)
- IP68

14HQ701G



- a-Si TFT
- 140 μm Pixel Size
- 16 bit A/D Conversion
- Raw Image in 2 s (Wireless) & 1.5 s (Wired)
- IP68

17HK700G-W



- a-Si TFT
- 140 μm Pixel Size
- 16 bit A/D Conversion
- 2 s (Wired)
- IP53

Specification

		17HQ701G (17 x 17-inch)	14HQ701G (14 x 17-inch)	10HQ701G (10 x 12-inch)	17HK700G-W (17 x 17-inch)
Model					
Dimension / Weight (Including Battery)		460 mm x 460 mm x 15.6 mm	384 mm x 460 mm x 15.6 mm	282 mm x 333 mm x 15.6 mm	460 mm x 460 mm x 15.6 mm
		3.7 kg (8.2 lb)	3.2 kg (7.1 lb)	1.9 kg (4.2 lb)	3.4 kg (7.5 lb)
Intended Use		General Radiography	General Radiography	General Radiography	General Radiography
TFT Type		a-Si	a-Si	a-Si	a-Si
Scintillator		CsI	CsI	CsI	CsI
Pixel Pitch		140 μm	140 μm	140 μm	140 μm
Image Area	Number of Pixels	3,072 x 3,072 pixels	2,500 x 3,052 pixels	2,048 x 1,792 pixels	3,072 x 3,072 pixels
	TFT Active Area	430.08 x 430.08 mm	350.0 x 427.28 mm	286.72 x 250.88 mm	430.08 x 430.08 mm
MTF	MTF @ 0.5lp/mm (Typ.)	84%	84%	84%	89%
A/D Conversion		16 bit	16 bit	16 bit	16 bit
Data Output		16 bit	16 bit	16 bit	16 bit
Communication	Type	Wired / Wireless	Wired / Wireless	Wired / Wireless	Wired
	WLAN	IEEE802.11a/b/g/n/ac, 2.4 GHz / 5 GHz	IEEE802.11a/b/g/n/ac, 2.4 GHz / 5 GHz	IEEE802.11a/b/g/n/ac, 2.4 GHz / 5 GHz	N/A
	Auto Exposure Detection	Yes	Yes	Yes	Yes
Cycle Time		4.5 sec (Wired) / 5 sec (Wireless)	4.5 sec (Wired) / 5 sec (Wireless)	4.5 sec (Wired) / 5 sec (Wireless)	8 sec (Wired)
Full Image Transfer (Typ.) (without Window Time)		1.5 sec (Wired) / 2.5 sec (Wireless)	1.5 sec (Wired) / 2 sec (Wireless)	1.5 sec (Wired) / 2 sec (Wireless)	2 sec (Wired)
Durability	Maximum Load Weight	Full (Uniform Load): 400 kg (881.8 lb)	Full (Uniform Load): 400 kg (881.8 lb)	Full (Uniform Load): 400 kg (881.8 lb)	Full (Uniform Load): 300 kg (661.3 lb)
		Local (Point Load): 200 kg (440.9 lb)	Local (Point Load): 200 kg (440.9 lb)	Local (Point Load): 200 kg (440.9 lb)	Local (Point Load): 100 kg (220.4 lb)
	IP Rating	IP68 ¹⁾	IP68 ¹⁾	IP68 ¹⁾	IP53 ²⁾
	Drop (IEC60601-1 Test Condition)	1.5 m	1.5 m	1.5 m	1.0 m
	Sensor Protection Plate	Carbon Fiber Plate	Carbon Fiber Plate	Carbon Fiber Plate	Carbon Fiber Plate
Battery	Operation Time	300 Shots / 7.5 Hrs (Typ.) (Condition: Cycle Time 90 sec)	300 Shots / 7.5 Hrs (Typ.) (Condition: Cycle Time 90 sec)	300 Shots / 7.5 Hrs (Typ.) (Condition: Cycle Time 90 sec)	-
	Charging Time	3 hrs (Typ.)	3 hrs (Typ.)	3 hrs (Typ.)	N/A
	Hot Swap	Yes (1 Min)	Yes (1 Min)	Yes (1 Min)	N/A
Accessories	Cable	Power Cord, Main Cable 7 m (LAN Cable, Sync Cable Option)	Power Cord, Main Cable 7 m (LAN Cable, Sync Cable Option)	Power Cord, Main Cable 7 m (LAN Cable, Sync Cable Option)	Power Cord, Main Cable 7 m (LAN Cable, Sync Cable Option)
		Battery Charger	Battery Charger	Battery Charger	N/A
	Other	2 x Battery Packs	2 x Battery Packs	2 x Battery Packs	N/A
		Control Box	Control Box	Control Box	Control Box

1) IP68: Dust-tight / Protected against access to hazardous parts with a wire / Protected against the effects of continuous immersion in water.

2) IP53: Dust-protected / Protected against access to hazardous parts with a wire / Protected against spraying water.

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