



Our Precision, Your Vision

LG Medical Display



LG Virtual Showroom

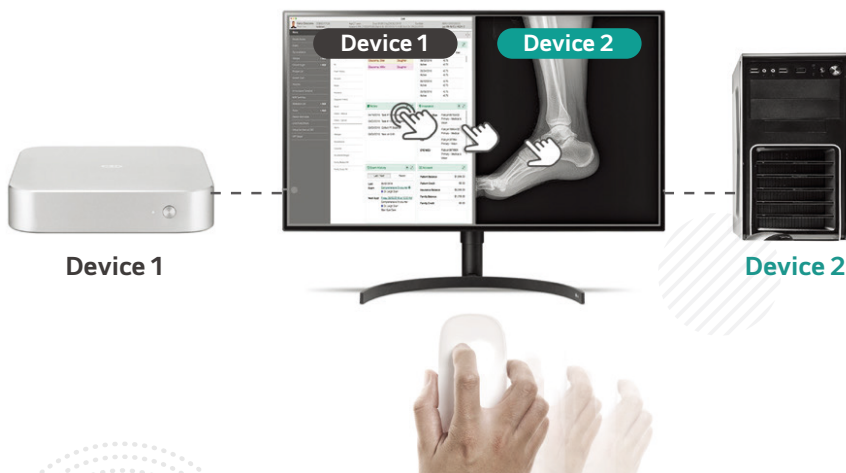
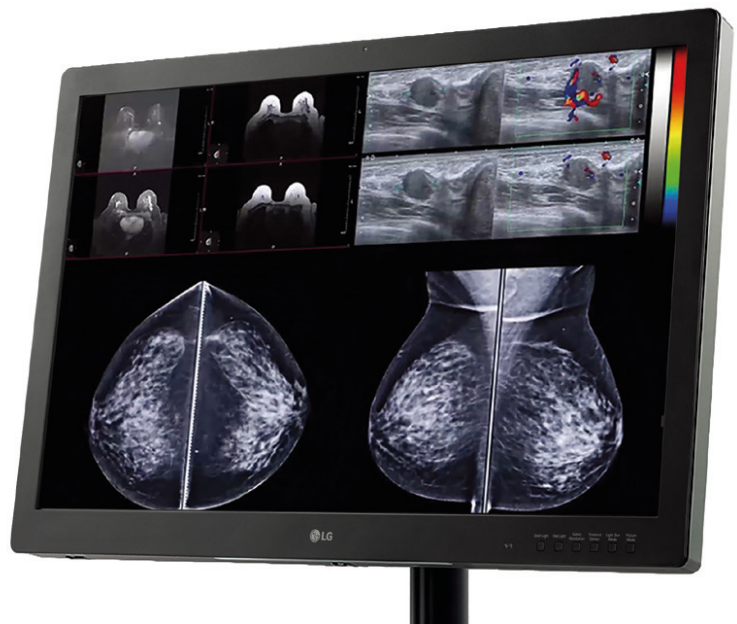
MEDITEK
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WHY LG Medical Display

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

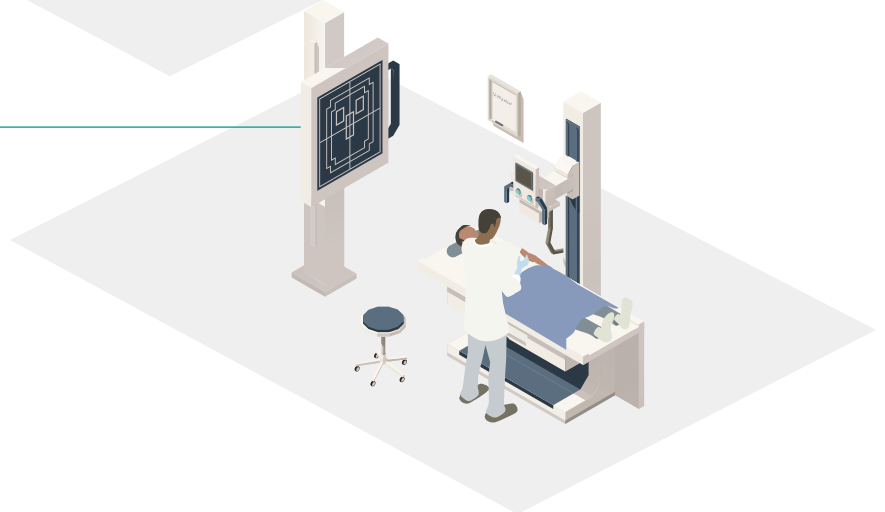
Consulting Room

Clinical Review Monitor



X-ray Room

Digital X-ray Detector



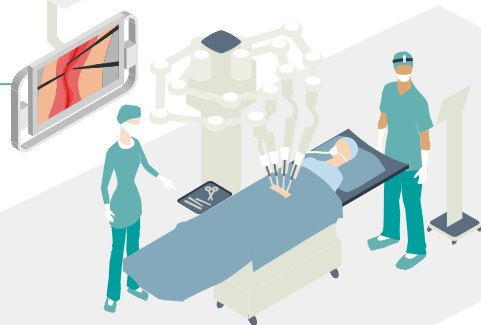
Reading Room

Clinical Review Monitor /
Diagnostic Monitor



Operating Room

Surgical Monitor



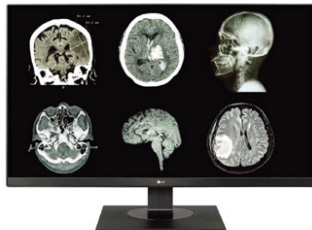
Product Line-up

Clinical Review Monitor



27HJ712C

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



27HJ713C

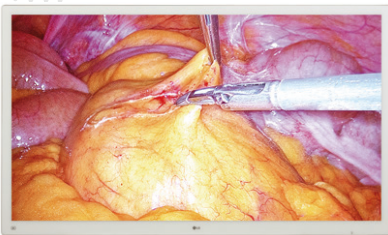
27-inch (16 : 9) | IPS
8MP (3,840 x 2,160)



24HR513C

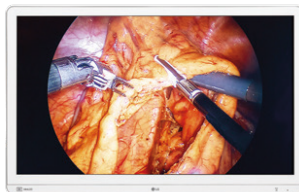
24-inch (16 : 10) | IPS
2MP (1,920 x 1,200)

Surgical Monitor



55MH5K

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



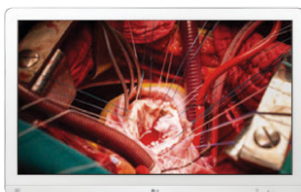
32HR734S

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



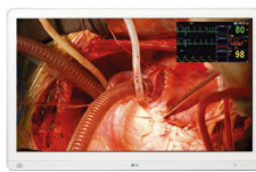
32HL714S

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)



27HQ710S

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



27HK510S

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

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)

Digital X-ray Detector

Oxide TFT



17HQ901G

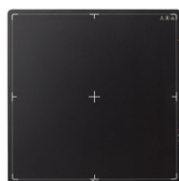
Oxide TFT
Wired / Wireless



14HQ901G

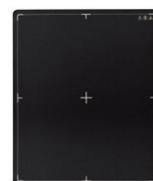
Oxide TFT
Wired / Wireless

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



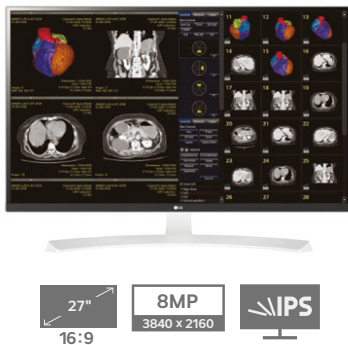
14HQ721G

a-Si TFT
Built-in AEC
Wired / Wireless

LG Medical Monitor

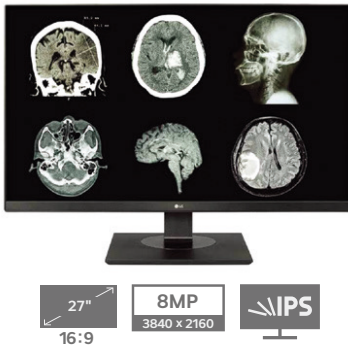
Clinical Review Monitor

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°)

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°)

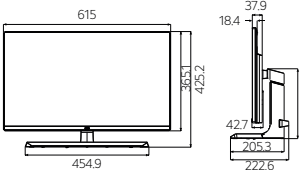
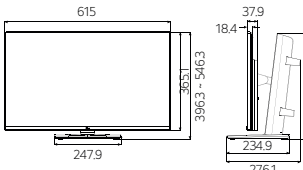
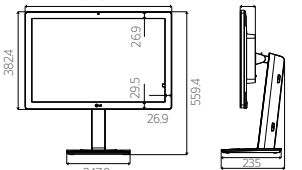
24HR513C



- 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°)

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

Specification

		27HJ712C	27HJ713C	24HR513C
Model				
Resolution		8MP (3,840 x 2,160)	8MP (3,840 x 2,160)	2MP (1,920 x 1,200)
Inch (Aspect Ratio)		27-inch (16 : 9)	27-inch (16 : 9)	24-inch (16 : 10)
Display	Panel Type	IPS	IPS	IPS
	Surface Treatment	Anti-glare	Anti-glare	Anti-glare
	Color Gamut (Typ.)	sRGB over 99% (Coverage)	sRGB over 99% (Coverage)	NTSC 70% (CIE1931)
	Color 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)
	Brightness (Typ.)	350 cd/m ²	350 cd/m ²	600 cd/m ²
	Brightness (Stabilization)	250 cd/m ²	250 cd/m ²	350 cd/m ²
	Contrast Ratio (Typ.)	1,000 : 1	1,000 : 1	1,000 : 1
	Response Time (GtG ¹⁾)	14 ms (Off-setting), 5 ms (Faster-setting)	14 ms (Off-setting), 5 ms (Faster-setting)	5 ms (Faster-setting)
Feature	DICOM Compliant	Yes	Yes	Yes
	HW Calibration	Yes (LG Calibration Studio)	Yes (LG Calibration Studio)	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, Pathology, Text, DICOM, DICOM (Custom), Calibration 1, Calibration 2
	Super Resolution+	Yes	Yes	Yes
	Focus View Mode	-	-	Yes
Video Signals	Input Terminals	HDMI x 2, DisplayPort x 1	HDMI x 2, DisplayPort x 1	HDMI x 1, DisplayPort x 1, DVI-D x 1
	Output Terminals	-	-	DisplayPort x 1 (Daisy Chain, 2MP / @60 Hz)
Connectivity	USB	USB 3.0 1 Upstream, 2 Downstream	USB 3.0 1 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	100 - 240 Vac, 50 / 60 Hz
	Power Consumption (Max.)	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
User Convenience	PBP / Dual Controller	Yes (2PBP) / Yes	Yes (2PBP) / Yes	No / Yes
	Reader Mode / Flicker Safe	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)	4.35 kg (9.5 lb)
	Weight (with Stand)	6.2 kg (13.7 lb)	7.5 kg (16.5 lb)	7.1 kg (15.6 lb)
	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°, 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

1) GtG: Gray to gray response time

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

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

LG Medical Monitor

Diagnostic Monitor

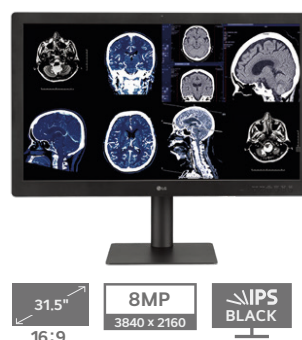


31HN713D



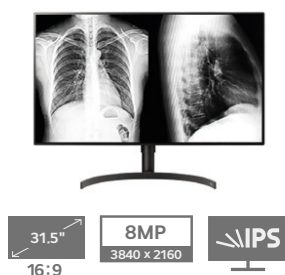
- DICOM Compliant
- HW Calibration with Internal Front Sensor
- Multi-Resolution Mode (12 / 6MP)
- Brightness (Typ.): 1,200 cd/m²
- Contrast Ratio (Typ.): 1,500 : 1
- Color Gamut (Typ.): sRGB over 97% (Coverage)
- Focus View Mode
- Pathology Mode
- 6 Hot Keys
- 2PBP / Dual Controller
- Presence Sensor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

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

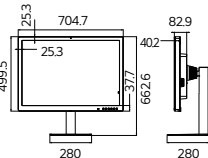
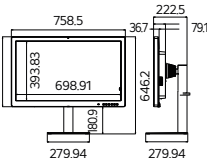
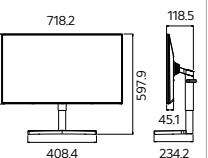
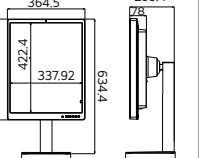
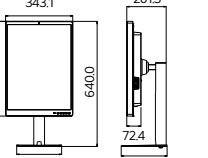
21HQ513D



- 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

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Specification

		31HN713D	32HQ713D	32HL512D	21HQ613D	21HQ513D
Model						
Resolution		12MP (4,200 x 2,800)	8MP (3,840 x 2,160)	8MP (3,840 x 2,160)	5MP (2,048 x 2,560)	3MP (1,536 x 2,048)
Inch (Aspect Ratio)		31-inch (3 : 2)	31.5-inch (16 : 9)	31.5-inch (16 : 9)	21.3-inch (4 : 5)	21.3-inch (3 : 4)
Display	Panel Type	IPS	IPS Black	IPS	IPS	IPS
	Surface Treatment	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-glare
	Color Gamut (Typ.)	sRGB over 97% (Coverage)	sRGB 100% (CIE1931)	DCI-P3 98% (CIE1976)	NTSC 72% (CIE1931)	NTSC 72%
	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.)	1,200 cd/m ²	1,000 cd/m ²	450 cd/m ²	1,100 cd/m ²	1,100 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)	600 cd/m ²	500 cd/m ²
	Contrast Ratio (Typ.)	1,500 : 1	2,000 : 1	1,300 : 1	1,800 : 1	1,800 : 1
	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)	5 ms (Faster- setting)	5 ms (Faster- setting)
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 Software 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	Custom, Mono, Pathology, Text, DICOM, DICOM (Custom), Calibration 1, Calibration 2	Custom, Mono, Pathology, Text, DICOM, DICOM (Custom), Calibration 1, Calibration 2
	Super Resolution+ Multi Resolution Mode	Yes	Yes	Yes	Yes	Yes
	Focus View Mode	Yes (12MP / 6MP)	Yes (8MP / 6MP / 4MP)	Yes (8MP / 6MP / 4MP)	Yes (5MP / 3MP / 2MP)	Yes (3MP / 2MP)
	Light Box Mode	Yes	Yes	No	Yes	Yes
	Light Box Mode	Yes	Yes	No	Yes	Yes
Video Signals	Input Terminals	DisplayPort x 2	DisplayPort x 2	HDMI x 1, DisplayPort x 2	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 1 Upstream, 3 Downstream	USB 3.0 2 Upstream, 2 Downstream	USB 2.0 1 Upstream, 2 Downstream	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	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz
	Power Consumption (Max.)	180 W	120 W	65 W	120 W	120 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
User Convenience	PBP / Dual controller	Yes (2PBP) / Yes	Yes (2PBP) / Yes	Yes (2PBP) / Yes	No / Yes	No / Yes
	Reader Mode / Flicker Safe	Yes (Text Mode) / Yes	Yes / Yes	Yes / Yes	Yes (Text Mode) / Yes	Yes (Text Mode) / Yes
	Lighting	Yes (Down / Wall)	Yes (Down / Wall)	No	Yes (Down / Wall)	Yes (Down / Wall)
	Presence Sensor	Yes	Yes	No	Yes	Yes
	Auto Luminance Sensor	Yes	Yes	No	Yes	Yes
	Front Sensor (Built-in Calibration)	Yes	Yes	No	Yes	Yes
Physical Specifications	Weight (without Stand)	10.7 kg (23.6 lb)	9.7 kg (21.4 lb)	5.6 kg (12.4 lb)	5.45 kg (12.0 lb)	5.0 kg (11.1 lb)
	Weight (with Stand)	14.0 kg (30.9 lb)	13.0 kg (28.6 lb)	7.0 kg (15.4 lb)	7.85 kg (17.3 lb)	7.0 kg (15.4 lb)
	Borderless Design	Normal	Normal	4-Side Virtually Borderless Design	Normal	Normal
	Adjustable Stand	Tilt: -5° ~ 15°, 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	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	100 x 100 mm	100 x 100 mm	100 x 100 mm

1) GtG: Gray to gray response time

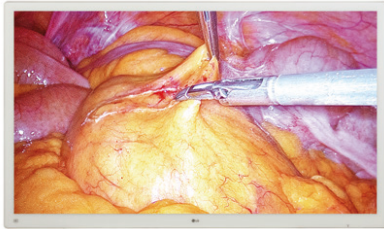
2) Auto Pivot refers to the automatic screen rotation function.

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LG Medical Monitor

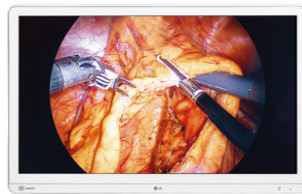
Surgical Monitor

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

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

32HL710S



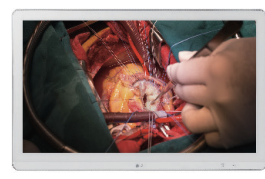
- 3G-SDI Support
- HDR 10 Support
- Brightness (Typ.): 800 cd/m²
- Contrast Ratio (Typ.): 1,000 : 1
- Color Gamut (Typ.): sRGB over 99% (Coverage)
- Failover Input Switch
- Mirror & Rotation Mode
- 2 / 3 / 4PBP, PIP
- IP35 (Front), IP32 (Except for Front), IK06

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

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Specification

		55MH5K	32HR734S	32HL714S	32HL710S	27HQ710S	27HK510S
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)	Full HD (1,920 x 1,080)
Inch (Aspect Ratio)		55-inch (16 : 9)	31.5-inch (16 : 9)	31.5-inch (16 : 9)	31.5-inch (16 : 9)	27-inch (16 : 9)	27-inch (16 : 9)
Display	Panel Type	IPS	IPS	IPS	IPS	VA	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 110.9% (Area), DCI-P3 98% (Coverage)	sRGB 115% (Area), sRGB over 99% (Coverage)
	Color Bit	10 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)	178° (Right / Left), 178° (Up / Down)
	Brightness (Typ.)	680 cd/m ²	800 cd/m ²	800 cd/m ²	800 cd/m ²	800 cd/m ²	1,000 cd/m ²
	Brightness (Stabilization)	400 cd/m ² (DICOM: 400 cd/m ²)	500 cd/m ²	500 cd/m ²	500 cd/m ²	500 cd/m ²	600 cd/m ²
	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)	Protection Glass (1.6t, Anti-reflection, Anti-fingerprint)
	Contrast Ratio (Typ.)	1,100 : 1	1,000 : 1	1,000 : 1	1,000 : 1	1,000 : 1	1,000 : 1
Feature	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 (Faster-setting)	14 ms (Off-setting), 5 ms (Faster-setting)
	DICOM Compliant	Yes	Yes	Yes	Yes	Yes	Yes
	HW Calibration	Yes (LG Calibration Studio)	Yes (LG Calibration Studio)	Yes (LG Calibration Studio)	Yes (LG Calibration Studio)	Yes (LG Calibration Studio)	Yes (LG Calibration Studio)
Video Signals	HDR	HDR 10, HDR Effect	HDR 10, HDR Effect	HDR 10, HDR Effect	HDR 10, HDR Effect	HDR 10, HDR Effect	No
	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	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	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	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 2.0 1 Upstream, 1 Downstream	USB 2.0 1 Upstream, 1 Downstream	USB 3.0 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	100 - 240 Vac, 50 / 60 Hz
	Power Consumption (Max.)	180 W	130 W	180 W	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	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⁾	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 (2 / 3 / 4PBP) / Yes	Yes (2 / 3 / 4PBP) / Yes	Yes (2 / 3 / 4PBP) / Yes	Yes (2PBP) / Yes
	Screen Filp	Mirror Mode & Rotation Mode	Mirror Mode & Rotation Mode	Mirror Mode & Rotation Mode	Mirror Mode & Rotation Mode	Mirror Mode & Rotation Mode	No
	Failover Input Switch	Yes	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)	8 kg (18 lb)	7.7 kg (17 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	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.

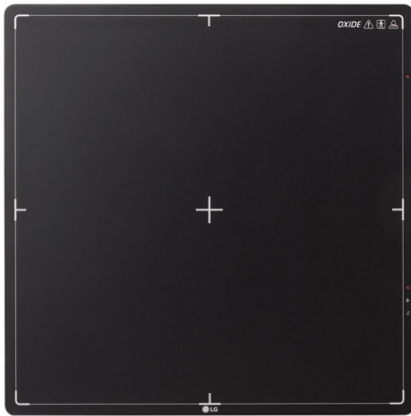
* Specifications may vary by region and all features, standards, and other product specifications are subject to change without notice or obligation.

LG Digital X-ray Detector

Digital X-ray Detector

Oxide TFT

17HQ901G



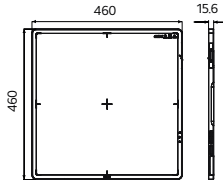
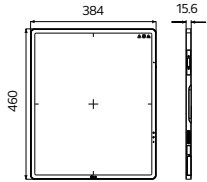
- Oxide TFT
- 140 μm pixel size
- 16 bit A/D conversion
- Raw Image in 2 s (Wireless) & 1.5 s (Wired)
- IP68

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 μ m	140 μ m
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

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

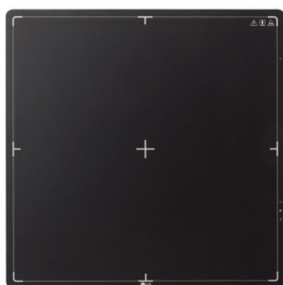
* Specifications may vary by region and all features, standards, and other product specifications are subject to change without notice or obligation.

LG Digital X-ray Detector

Digital X-ray Detector

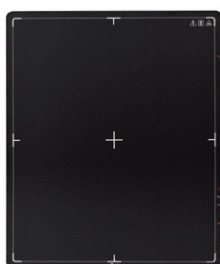
a-Si TFT

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

14HQ701G



- a-Si TFT
- 140 μm pixel size
- 16 bit A/D conversion
- Raw Image in 2 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

17HK700G-W



- a-Si TFT
- 140 μm pixel size
- 16 bit A/D conversion
- 2 s (Wired)
- IP53

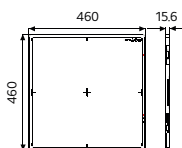
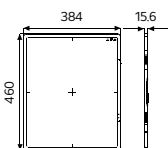
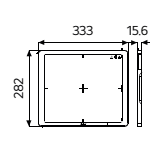
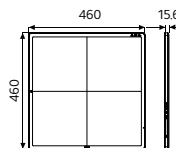
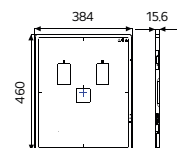
14HQ721G



- a-Si TFT
- Built-in AEC
- 140 μm pixel size
- 16 bit A/D conversion
- Raw Image in 2 s (Wireless) & 1.5 s (Wired)
- IP68

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

Specification

		17HQ701G (17 x 17-inch)	14HQ701G (14 x 17-inch)	10HQ701G (10 x 12-inch)	17HK700G-W (17 x 17-inch)	14HQ721G (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	282 mm x 333 mm x 15.6 mm	460 mm x 460 mm x 15.6 mm	384 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)	3.2 kg (7.1 lb)
Intended Use		General Radiography	General Radiography	General Radiography	General Radiography	General Radiography
TFT Type		a-Si	a-Si	a-Si	a-Si	a-Si
Scintillator		CsI	CsI	CsI	CsI	CsI
Pixel Pitch		140 μm	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	2,500 x 3,052 pixels
	TFT Active Area	430.08 × 430.08 mm	350.0 x 427.28 mm	286.72 x 250.88 mm	430.08 × 430.08 mm	350.0 x 427.28 mm
MTF	MTF @ 0.5lp/mm (Typ.)	84%	84%	84%	89%	84%
A/D Conversion		16 bit	16 bit	16 bit	16 bit	16 bit
Data Output		16 bit	16 bit	16 bit	16 bit	16 bit
Communication	Type	Wired / Wireless	Wired / Wireless	Wired / Wireless	Wired	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	IEEE802.11a/b/g/n/ac, 2.4 GHz / 5 GHz	N/A	IEEE802.11a/b/g/n/ac, 2.4 GHz / 5 GHz
	Auto Exposure Detection	Yes	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)	4.5 sec (Wired) / 5 sec (Wireless)
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)	1.5 sec (Wired) / 2 sec (Wireless)
Durability	Maximum Load Weight	Full (Uniform Load): 400 kg (881.8 lb) Local (Point Load): 200 kg (440.9 lb)	Full (Uniform Load): 400 kg (881.8 lb) Local (Point Load): 200 kg (440.9 lb)	Full (Uniform Load): 400 kg (881.8 lb) Local (Point Load): 200 kg (440.9 lb)	Full (Uniform Load): 300 kg (661.3 lb) Local (Point Load): 100 kg (220.4 lb)	Full (Uniform Load): 400 kg (881.8 lb) Local (Point Load): 200 kg (440.9 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	1.5 m
	Sensor Protection Plate	Carbon Fiber 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)	-	300 shots / 7.5 hrs (Typ.) (Condition: Cycle Time 90 sec)
	Charging Time	3 hrs (Typ.)	3 hrs (Typ.)	3 hrs (Typ.)	N/A	3 hrs (Typ.)
	Hot Swap	Yes (1 Min)	Yes (1 Min)	Yes (1 Min)	N/A	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)	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)
	Other	Battery Charger	Battery Charger	Battery Charger	N/A	Battery Charger
		2 x Battery Packs	2 x Battery Packs	2 x Battery Packs	N/A	2 x Battery Packs
Control Box		Control Box	Control Box	Control Box	Control Box	Control Box
Built-in AEC (Auto Exposure Control)		X	X	X	X	O

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.

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



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