

LG Medical Display



LG Medical Monitor

Clinical Review Monitor

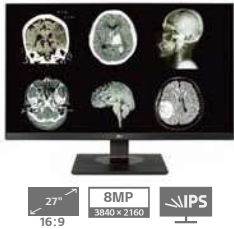


27HJ712C



- 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°)

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)	
Panel	Panel Type	IPS	IPS	IPS
	Surface Treatment	Anti-glare, 3H	Anti-glare, 3H	Anti-glare
	Color Gamut (Typ.)	sRGB over 99% (Coverage)	sRGB over 99% (Coverage)	NTSC: 70% (CIE1931)
	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, REC.709, SMPTE-C, DICOM, Calibration 1, Calibration 2	Custom, Mono, Reader, sRGB, Color Weakness, EBU, REC.709, 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
	AC Input	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz	100 - 240 Vac, 50 / 60 Hz
Power	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°, Swivel: ±45°, 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.

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

LG Medical Monitor

Diagnostic Monitor



31HN713D



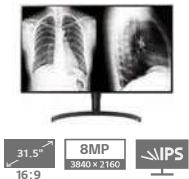
- DICOM Compliant
- HW Calibration with Internal Front Sensor
- Multi-Resolution Mode (12 / 6MP)
- Brightness (Typ.): 1,200 cd/m²
- Contrast Ratio (Typ.): 1,500 : 1
- Color Gamut (Typ.): sRGB over 97% (Coverage)
- Focus View Mode
- Pathology Mode
- 6 Hot Keys
- 2PBP / Dual Controller
- Presence Sensor
- 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)
- Pivot (+90°)
- Daisy Chain

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

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)
Panel	Panel Type: IPS Surface Treatment: Anti-glare, 3H Color Gamut (Typ.): sRGB over 97% (Coverage) Viewing Angles (Cr:10): 178° (Right / Left), 178° (Up / Down) Brightness (Typ.): 1,200 cd/m ² Brightness (Stabilization): 550 cd/m ² Contrast Ratio (Typ.): 1,500 : 1 Response Time (GrG ¹): 14 ms (Off-setting), 5 ms (Faster-setting)	Panel Type: IPS Black Surface Treatment: Anti-glare, 3H Color Gamut (Typ.): sRGB 100% (CIE1931) Viewing Angles (Cr:10): 178° (Right / Left), 178° (Up / Down) Brightness (Typ.): 1,000 cd/m ² Brightness (Stabilization): 500 cd/m ² Contrast Ratio (Typ.): 2,000 : 1 Response Time (GrG ¹): 14 ms (GrG, Not Support OD)	Panel Type: IPS Surface Treatment: Anti-glare, 3H Color Gamut (Typ.): DCI-P3 98% (CIE1976) Viewing Angles (Cr:10): 178° (Right / Left), 178° (Up / Down) Brightness (Typ.): 450 cd/m ² Brightness (Stabilization): 250 cd/m ² (Clinical Mode Setting), 350 cd/m ² (Diagnostic Mode Setting) Contrast Ratio (Typ.): 1,300 : 1 Response Time (GrG ¹): 14 ms (Off-setting), 5 ms (Faster-setting)	Panel Type: IPS Surface Treatment: Anti Glare Color Gamut (Typ.): NTSC 72% (CIE1931) Viewing Angles (Cr:10): 178° (Right / Left), 178° (Up / Down) Brightness (Typ.): 1,100 cd/m ² Brightness (Stabilization): 600 cd/m ² Contrast Ratio (Typ.): 1,800 : 1 Response Time (GrG ¹): 5 ms (Faster-setting)	Panel Type: IPS Surface Treatment: Anti-glare, 3H Color Gamut (Typ.): NTSC 72% Viewing Angles (Cr:10): 178° (Right / Left), 178° (Up / Down) Brightness (Typ.): 1,100 cd/m ² Brightness (Stabilization): 500 cd/m ² Contrast Ratio (Typ.): 1,800 : 1 Response Time (GrG ¹): 5 ms (Faster-setting)
Feature	DICOM Compliant: Yes HW Calibration: Yes (LG Calibration Studio Medical) Picture Mode: Custom, Mono, Pathology Text, DICOM, Calibration 1, Calibration 2 Super Resolution+ Multi Resolution Mode: Yes (12MP / 6MP) Focus View Mode: Yes Light Box Mode: Yes	DICOM Compliant: Yes HW Calibration: Yes (LG Calibration Studio Medical) Picture Mode: Custom, Mono, Pathology Text, DICOM, Calibration 1, Calibration 2 Super Resolution+ Multi Resolution Mode: Yes (8MP / 6MP / 4MP) Focus View Mode: Yes Light Box Mode: Yes	DICOM Compliant: Yes HW Calibration: Yes (LG Calibration Studio Medical) Picture Mode: Custom, Mono, Pathology, Reader, Vrid, HDR Effect, DICOM (Clinical), DICOM (Diagnostic), Calibration 1, Calibration 2 Super Resolution+ Multi Resolution Mode: Yes (8MP / 6MP / 4MP) Focus View Mode: Yes Light Box Mode: No	DICOM Compliant: Yes HW Calibration: Yes (LG Calibration Software Medical) Picture Mode: Custom, Mono, Pathology Text, DICOM, DICOM (Custom), Calibration 1, Calibration 2 Super Resolution+ Multi Resolution Mode: Yes (5MP / 3MP / 2MP) Focus View Mode: Yes Light Box Mode: Yes	DICOM Compliant: Yes HW Calibration: Yes (LG Calibration Studio Medical) Picture Mode: Custom, Mono, Pathology Text, DICOM, DICOM (Custom), Calibration 1, Calibration 2 Super Resolution+ Multi Resolution Mode: Yes (3MP / 2MP) Focus View Mode: Yes Light Box Mode: Yes
Video Signals	Input Terminals: DisplayPort x 2 Output Terminals: -	Input Terminals: DisplayPort x 2 Output Terminals: -	Input Terminals: HDMI x 1, DisplayPort x 2 Output Terminals: -	Input Terminals: DisplayPort x 2, DVI-D (Dual Link) x 1 Output Terminals: DisplayPort x 1 (Daisy Chain, 5MP / @648 Hz)	Input Terminals: DisplayPort x 2, DVI x 1 Output Terminals: DisplayPort x 1 (Daisy Chain, 3MP / @660 Hz)
Connectivity	USB: USB 3.0 1 Upstream, 3 Downstream	USB: USB 3.0 2 Upstream, 2 Downstream	USB: USB 2.0 1 Upstream, 2 Downstream	USB: USB 3.0 2 Upstream, 2 Downstream	USB: USB 3.0 2 Upstream, 2 Downstream
Power	AC Input: 100 - 240 Vac, 50 / 60 Hz Power Consumption (Max.): 180 W Power Consumption (DC Off): Less than 0.3 W	AC Input: 100 - 240 Vac, 50 / 60 Hz Power Consumption (Max.): 120 W Power Consumption (DC Off): Less than 0.3 W	AC Input: 100 - 240 Vac, 50 / 60 Hz Power Consumption (Max.): 65 W Power Consumption (DC Off): Less than 0.3 W	AC Input: 100 - 240 Vac, 50 / 60 Hz Power Consumption (Max.): 120 W Power Consumption (DC Off): Less than 0.3 W	AC Input: 100 - 240 Vac, 50 / 60 Hz Power Consumption (Max.): 120 W Power Consumption (DC Off): Less than 0.3 W
User Convenience	PBP / Dual controller Reader Mode / Flicker-Safe: Yes (2PBP) / Yes Lighting: Yes (Down / Wall) Presence Sensor: Yes Auto Luminance Sensor: Yes Front Sensor (Built-in Calibration): Yes	PBP / Dual controller Reader Mode / Flicker-Safe: Yes / Yes Lighting: Yes (Down / Wall) Presence Sensor: Yes Auto Luminance Sensor: Yes Front Sensor (Built-in Calibration): Yes	PBP / Dual controller Reader Mode / Flicker-Safe: Yes / Yes Lighting: No Presence Sensor: No Auto Luminance Sensor: No Front Sensor (Built-in Calibration): No	PBP / Dual controller Reader Mode / Flicker-Safe: No / Yes Lighting: Yes (Down / Wall) Presence Sensor: Yes Auto Luminance Sensor: Yes Front Sensor (Built-in Calibration): Yes	PBP / Dual controller Reader Mode / Flicker-Safe: Yes (Text Mode) / Yes Lighting: Yes (Down / Wall) Presence Sensor: Yes Auto Luminance Sensor: Yes Front Sensor (Built-in Calibration): Yes
Physical Specifications	Weight (without Stand): 10.7 kg (23.6 lb) Weight (with Stand): 14.0 kg (30.9 lb) Borderless Design: Normal	Weight (without Stand): 9.7 kg (21.4 lb) Weight (with Stand): 13.0 kg (28.6 lb) Borderless Design: Normal	Weight (without Stand): 5.6 kg (12.4 lb) Weight (with Stand): 7.0 kg (15.4 lb) Borderless Design: 4-Side Virtually Borderless Design	Weight (without Stand): 5.45 kg (12.0 lb) Weight (with Stand): 7.85 kg (17.3 lb) Borderless Design: Normal	Weight (without Stand): 5.0 kg (11.1 lb) Weight (with Stand): 7.0 kg (15.4 lb) Borderless Design: Normal
	Adjustable Stand: Tilt: -5° - 15°, Swivel: ±15°, Height Range: 110 mm	Adjustable Stand: Tilt: -5° - 15°, Swivel: ±15°, Height Range: 110 mm	Adjustable Stand: Tilt: -5° - 20°, Pivot: ±90° (Bi-Directional), Height Range: 110 mm	Adjustable Stand: Tilt: -5° - 20°, Swivel: ±15°, Auto Pivot ² : ±90° (Bi-Directional), Height Range: 110 mm	Adjustable Stand: Tilt: -5° - 20°, Pivot: ±90°, Height Range: 110 mm
	Wall Mount Size: 100 x 100 mm	Wall Mount Size: 100 x 100 mm	Wall Mount Size: 100 x 100 mm	Wall Mount Size: 100 x 100 mm	Wall Mount Size: 100 x 100 mm

1) GrG: 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.