



LG UltraGear GX7 WOLED 27-inch 4th Gen. QHD Gaming Monitor

27GX790B with Dual-Mode(720Hz@HD, 540Hz@QHD), 0.02ms(GtG), DP2.1, VESA DisplayHDR™ True Black 500

Brand : LG

Product code: 27GX790B-B.AEK

Product name : UltraGear GX7 WOLED 27-inch 4th Gen. QHD Gaming Monitor 27GX790B with Dual-Mode(720Hz@HD, 540Hz@QHD), 0.02ms(GtG), DP2.1, VESA DisplayHDR™ True Black 500

- 27-inch QHD (2560x1440) WOLED display
 - VESA DisplayHDR™ True Black 500
 - OLED with QHD 540Hz - HD 720Hz Dual-Mode
 - 0.02ms (GtG) response time
 - NVIDIA® G-SYNC® Compatible / VESA Certified AdaptiveSync / AMD FreeSync™ Premium Pro
 - Gamer adjustable display: Tilt/Height/Swivel/Pivot
- LG UltraGear GX7 WOLED 27-inch 4th Gen. QHD Gaming Monitor 27GX790B with Dual-Mode(720Hz@HD, 540Hz@QHD), 0.02ms(GtG), DP2.1, VESA DisplayHDR™ True Black 500
- LG UltraGear GX7 WOLED 27-inch 4th Gen. QHD Gaming Monitor 27GX790B with Dual-Mode(720Hz@HD, 540Hz@QHD), 0.02ms(GtG), DP2.1, VESA DisplayHDR™ True Black 500. Display diagonal: 68.6 cm (27"), Display resolution: 2560 x 1440 pixels, HD type: Quad HD, Display technology: OLED, Display surface: Matt, Response time: 0.02 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in USB hub. VESA mounting, Height adjustment. Product colour: Black



Display		Ports & interfaces	
Display diagonal *	68.6 cm (27")	DisplayPorts quantity	1
Display resolution *	2560 x 1440 pixels	DisplayPort out quantity	1
HD type *	Quad HD	DisplayPort version	2.1
Native aspect ratio *	16:9	Audio output	✓
Display technology *	OLED	Headphone out *	✓
Panel type *	WOLED	Headphone outputs	1
Touchscreen *	✗	Headphone connectivity	3.5 mm
Display brightness (peak)	1500 cd/m²	Microphone in	✓
Display brightness (typical)	335 cd/m²	HDCP	✓
Response time *	0.02 ms	HDCP version	2.3
Response time measurement type	GTG (Gray to Gray)	Ergonomics	
Display surface	Matt	VESA mounting *	✓
Anti-glare screen	✓	Panel mounting interface	100 x 100 mm
Screen shape *	Flat	Height adjustment *	✓
Supported graphics resolutions	2560 x 1440, 1280 x 720 (HD 720)	Pivot	✓
Contrast ratio (typical) *	1500000:1	Swivelling	✓
Maximum refresh rate *	540 Hz	Tilt adjustment	✓
Refresh rate optimizor	✓	On Screen Display (OSD)	✓
Viewing angle, horizontal	178°	Power	
Viewing angle, vertical	178°	Energy efficiency class (SDR) *	F
Display number of colours *	1.07 billion colours	Energy efficiency class (HDR) *	G
Pixel pitch	0.2292 x 0.2292 mm	Energy consumption (SDR) per 1000 hours *	25 kWh
Pixel density	111 ppi	Energy consumption (HDR) per 1000 hours *	29 kWh
Horizontal scan range	31.5 - 957.8 kHz	Power consumption (typical) *	25 W
Vertical scan range	60 - 720.3 Hz	Power consumption (standby) *	0.5 W
High Dynamic Range (HDR) supported	✓		
High Dynamic Range (HDR) technology	HDR True Black 500, HDR Effect, High Dynamic Range 10 (HDR10)		

Display		Power	
Colour gamut standard	DCI-P3	Power consumption (max)	46.32 W
Colour gamut	99.55%	Power consumption (off)	0.3 W
DCI-P3 coverage	99.5%	AC input voltage	100 - 240 V
Performance		AC input frequency	50/60 Hz
NVIDIA G-SYNC *	✓	Power supply type	External
NVIDIA G-SYNC type	G-SYNC Compatible	Energy efficiency scale	A to G
AMD FreeSync *	✓	Weight & dimensions	
AMD FreeSync type	FreeSync Premium Pro	Width (with stand)	605.2 mm
VESA Adaptive Sync support	✓	Depth (with stand)	220 mm
Flicker-free technology	✓	Height (with stand)	257.6 mm
Low Blue Light technology	✓	Weight (with stand)	6.8 kg
Game mode	✓	Width (without stand)	605.2 mm
Multimedia		Depth (without stand)	51.2 mm
Built-in speaker(s) *	✗	Height (without stand)	351 mm
Built-in camera *	✗	Weight (without stand)	4.3 kg
Design		Packaging data	
Market positioning *	Gaming	Package width	790 mm
Product colour *	Black	Package depth	496 mm
Ports & interfaces		Package height	182 mm
Built-in USB hub *	✓	Package weight	9.8 kg
Number of upstream ports	1	Package type	Box
Number of downstream ports	2	Packaging content	
Number of USB Type-C upstream ports quantity	1	Stand included	✓
USB Type-A downstream ports quantity	2	Cables included	DisplayPort, HDMI
USB Type-C downstream ports quantity	1	Power adapter included	✓
USB Type-C DisplayPort Alternate Mode	✓	Quick start guide	✓
USB Power Delivery (USB PD)	✓	DisplayPort cable length	1.5 m
HDMI *	✓	HDMI cable length	1.5 m
HDMI ports quantity	2	Other features	
HDMI version	2.1	Country of origin	China
		Brand specific technologies	Black Stabiliser, Crosshair, DAS Mode, Dual Mode
		Low input lag	✓
		FPS counter	✓
		Hardware calibration	✓
		Warranty period	2 year(s)
		Compliance certificates	UL



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