

48GQ90B-B Ultra HD OLED UltraGear Gaming Monitor

▶ 48GQ90B-B

48" class (47.53" diagonal)



Images on screen are simulated

Features

0.1 MS RESPONSE TIME ON OLED DISPLAY

This UltraGear monitor is a gamer's dream come true, employing an ultra-fast response time. This unrivaled OLED gaming experience provides incredibly fast response without sacrificing HDR10 graphics, Ultra HD resolution and the jaw-dropping 178° viewing angles of an LG OLED display.

AMD FREESYNC™ TECHNOLOGY

LG monitors with AMD FreeSync™ technology reduce the tearing and stuttering that occur between a graphic card's frame rate and a monitor's refresh rate. Thanks to FreeSync, gaming enthusiasts can experience seamless, fluid movement throughout any hi-res, heavy-duty game.

120HZ REFRESH RATE

Games are smoother and more thrilling at a higher refresh rate, and this OLED monitor can refresh the image on screen up to an astounding 120 times per second (138 when overclocked). Enjoy high-speed gaming with virtually no motion blur or stuttering.

ADVANCED GAMING FEATURES

Serious gaming features for serious gamers. Dynamic Action Sync assures smooth, action while Black Stabilizer reveals enhanced detail in dark scenes. The Crosshair feature helps enhance accuracy in first-person shooter games.

A MONITOR FOR PC AND CONSOLE GAMING

Console and PC gaming has never looked better. The 48GQ90B UltraGear OLED gaming monitor features a 16:9 aspect ratio with 4K UHD resolution and supports DisplayPort 1.4 and HDMI 2.1. Switching between PC and console gaming is easy with the included remote.

Specifications

48" UHD 4K (3840 x 2160) OLED Display with Anti-Glare & Low Reflection

0.1ms (GtG) Response Time

120 Hz Refresh Rate (O/C 138 Hz)

1.5M:1 Contrast Ratio

DCI-P3 99% (Typ.) with HDR 10

4-Pole Headphone out with DTS Headphone:X

20W Stereo Speaker

nVIDIA® G-SYNC® Compatible with AMD FreeSync™

Wall Mountable: 300mm x 200mm

www.LG.com/us/commercial

48GQ90B-B

Ultra HD OLED UltraGear Gaming Monitor

CATEGORY	SPEC ITEMS	48GQ90B-B
DISPLAY	Diagonal	47.53"
	Resolution	3840 x 2160
	Panel Type	OLED
	Aspect Ratio	16:9
	Pixel Pitch	0.274 x 0.274 mm
	Brightness (Min.)	264 nits (@SDR 25% APL)
	Brightness (Typ.)	330 nits (@SDR 25% APL)
	Peak Brightness (Min.)	480 nits (@HDR 3% APL)
	Peak Brightness (Typ.)	600 nits (@HDR 3% APL)
	Color Gamut (Typ.)	DCI-P3 99% (CIE1976)
	Color Depth (Number of Colors)	1.07 Billion
	Color Bit	10 bit
	Contrast Ratio (Min.)	1,200,000:1 @25% APL
	Contrast Ratio (Typ.)	1,500,000:1
	Response Time	0.1ms (GtG)
	Refresh Rate (Max.)	120 Hz (138 Hz Overclocked)
	Viewing Angle (CR ≥ 10)	178°(R/L), 178°(U/D)
	Surface Treatment	Anti-Glare, Low-Reflection of the front polarizer
	FEATURES	HDR 10
HDR Effect		YES
Color Calibrated in Factory		YES
HW Calibration		HW Calibration Ready
Picture Mode		(SDR): Gamer1, Gamer2, FPS, RTS, Vivid, Reader, HDR Effect, sRGB, Calibration1/2 (HDR): Gamer1, Gamer2, FPS, RTS, Vivid
Reader Mode		YES
NVIDIA G-Sync™		G-SYNC Compatible
AMD FreeSync™		FreeSync Premium
VRR		YES
Black Stabilizer		Black Stabilizer
Dynamic Action Sync		YES
Crosshair		YES
FPS Counter		YES
OverClocking		YES
User Define Key		YES
RGB LED Lighting		Hexagon Lighting
Smart Energy Saving		YES
Onscreen Display Languages	17 countries (English, Germanic, French, Spanish, Italian, Swedish, Finnish, Portuguese, Portuguese(brazil), Polish, Russian, Greek, Ukrainian, Chinese, Traditional Chinese, Japanese, Korean)	
	Other Features	Hexagon Lighting, VESA DSC Tech. DTS HP:X (4-pole 3.5mm Headphone Out)
LG SOFTWARE COMPATIBILITY	LG Calibration Studio (True Color Pro)	YES
	OnScreen Control (LG Screen Manager)	YES
SOUND	Speakers	20W x 2
	DTS HP:X	YES

CATEGORY	SPEC ITEMS	48GQ90B-B	
CONNECTIVITY	HDMI	YES (3ea)	
	HDMI Version	2.1	
	HDMI (HDCP Version)	2.2	
	HDMI (w/o VRR)	40~120Hz	
	HDMI (w/ VRR)	40 ~ 120Hz (Overclock : 138Hz)	
	DisplayPort	YES (1ea)	
	DP Version	1.4	
	DP (HDCP Version)	2.2	
	DP (w/o Adaptive-Sync)	40 ~ 120Hz	
	DP (w/ Adaptive-Sync)	40 ~ 120Hz (Overclock : 138Hz)	
	USB Upstream Port	YES (1ea/ver3.0)	
	USB Downstream Port	YES (2ea/ver3.0)	
	ELECTRICAL	SPDIF out (Optical Digital Audio Out)	YES
Headphone out [Location]		4-pole (Sound+Mic) Rear	
Type		Built-in Power	
AC Input		100~240Vac (50/60Hz)	
DC Output		12VM/3A, 12VT/2.1A, 20V/2.0A, 21.5V/7.03A	
Power Consumption (Typ.)		175W	
Power Consumption (Max.)		253W	
Power Consumption (Sleep Mode)		Less than 0.5W	
Power Consumption (DC Off)		Less than 0.3W	
Borderless Design		4-Side Virtually Borderless Design	
Color (Back Cover)		Purple Gray	
Color (Stand Body)		Purple Gray(Partial Black)	
Color (Stand Base)		Purple Gray	
MECHANICAL	Wall Mountable	300 x 200 mm	
	Base Detachable	YES	
	Dimension with Stand (W x H x D)	42.1 x 26.0 x 7.3 in. 1070.6 x 659.7 x 184.8 mm	
	Dimension without Stand (W x H x D)	42.1 x 26.0 x 1.8 in. 1070.6 x 623.9 x 46.6 mm	
	Shipping Dimensions (W x H x D)	50.6 x 30.4 x 6.8 in. 1285 x 771 x 173 mm	
	Weight with Stand	37 lbs. / 16.8 kg	
	Weight without Stand	34.2 lbs. / 15.5 kg	
	Shipping Weight	42.5 lbs. / 19.3 kg	
	Pallet Stuffing (20ft/40ft/40ft HC)	100/220/324	
	CERTIFICATION	UL (cUL)	YES
		FCC-B	YES
		ErP	YES
		Other Standards	CEC,G-SYNC Compatible, FreeSync Premium, ISTA
ACCESSORIES & OTHER	HDMI	YES	
	HDMI (Color/Length)	Black / 1.8m	
	Display Port	YES	
	Display Port (Color/Length)	Black / 1.8m	
	USB A to B	YES	
	USB A to B (Color/Length)	Black / 1.8m	
	Remote Controller	YES	
	Remote Controller (Color)	Purple Gray	
	Calibration Report (Paper)	YES	
	Other Accessories	Back Door(Purple Gray), Cable Cover(Purple Gray), Screw(Black, M4 X L20), Battery(AAA x 2EA)	

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