LG UltraGear 24GN65R-B

23.8" FHD IPS 144Hz Gaming Monitor Datasheet

Display & Panel Specifications

Screen Size	23.8 inches (60.45 cm) diagonal
Panel Type	IPS (In-Plane Switching)
Resolution	1920 x 1080 (Full HD)
Aspect Ratio	16:9
Pixel Pitch	0.2745 x 0.2745 mm
Pixel Density	92–93 PPI
Brightness	300 cd/m² (Typical) / 240 cd/m² (Minimum)
Contrast Ratio	1000:1 (Typical) / 700:1 (Minimum)
Color Gamut	sRGB 99% (CIE1931)
Color Depth	16.7 Million colors (8-bit / 6-bit + FRC)
Viewing Angles	178° Horizontal / 178° Vertical
Screen Coating	Matte, Anti-glare

Performance & Gaming Features

Refresh Rate	144Hz maximum (over both DisplayPort and HDMI)
Response Time	1ms GtG (at Faster setting)
Variable Refresh Rate	AMD FreeSync Premium (Range: 48Hz–144Hz)
Motion Blur Reduction	1ms Motion Blur Reduction (MBR) technology
Gaming Enhancements	Dynamic Action Sync (input lag reduction), Black Stabilizer, Crosshair overlay, FPS Counter
HDR Support	HDR10 & HDR Effect
Eye Care	Flicker Safe, Reader Mode

Connectivity & Audio

DisplayPort	1 x DisplayPort 1.4
HDMI	1 x HDMI 2.0 (supports HDCP 2.2)
Audio Interface	1 x 3.5mm Headphone Out jack
Built-in Speakers	None

Ergonomics, Power & Dimensions

Ergonomic Adjustments	Height (up to 110mm), Pivot (90° clockwise), Tilt (-5° to +15°)
Wall Mounting	VESA standard 100 x 100 mm
Power Supply	100–240V AC, 50/60Hz (External Adapter)
Power Consumption	28W (Typical) / 30.2W (Maximum) / <0.5W (Sleep) / <0.3W (Off)
Dimensions (With Stand)	540.8 x 551.1 x 291.2 mm (Extended) 540.8 x 441.1 x 291.2 mm (Lowered)
Dimensions (Without Stand)	540.8 x 323.8 x 42.8 mm
Weight	5.6 kg (With Stand) / 3.4 kg (Without Stand)

This is for informational purposes only. For medical advice or diagnosis, consult a professional. AI responses may include mistakes.