

# SAMSUNG



## 32" Odyssey OLED G8 (G80SD) 4K UHD 240Hz 0.03ms G-Sync Compatible Smart Gaming Monitor with Sleek Metal Design

Samsung's Odyssey OLED G8 Gaming Monitor brings content to life with 4K UHD OLED. Images shine with 250 nits of brightness and a wider spectrum of colors, shades, and contrasts. 240Hz refresh rate, and 0.03ms response time (GtG) allow near-instant response time to stay ahead of the competition, and AMD FreeSync™ Premium Pro eliminates screen lag and image tears. The new OLED Safeguard+ — including Dynamic Cooling and Thermal Modulation systems — helps prevent burn-in. OLED Glare-free technology significantly reduces glare, and the Dynamic Black Equalizer analyzes and adjusts sharpness, saturation, and black details. Gaming Hub provides instant access to streaming platforms and gaming consoles, or you can watch your favorite shows with Smart TV apps. The sleek metal design with height adjustable screen that swivels and tilts for total gaming comfort, and the Easy Setup Stand enables installation of the monitor with no tools or screws.

### Key features

**UHD**

#### 4K UHD Resolution

Content springs to life in 4K OLED. Brilliant imagery shines with 250 nits (typ) of brightness and a wider spectrum of colors, shades and contrasts. The NQ8 AI Gen3 Processor also upscales lower resolutions to nearly 4K, so you can enjoy higher quality images through the Gaming Hub and Smart TV apps.

**240Hz**  
0.03ms

#### 240Hz Refresh Rate and 0.03ms Response Time (GtG)

OLED technology offers a near-instant 0.03ms response time (GtG). Stay ahead of the competition with HDMI 2.1 and DisplayPort connections, providing a 240Hz refresh rate in UHD resolution. Every millisecond counts when you're facing tough opponents.



#### OLED Safeguard+

Pulsating Heat Pipe was introduced into the monitor to prevent burn-in, and the groundbreaking Dynamic Cooling System reduces temperature at the core. Algorithms predict surface temperature and control the brightness accordingly to automatically reduce heat.



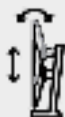
#### OLED Glare Free

Glare Free technology significantly reduces glare from external light sources, so the OLED screen's perfect black and color experience are presented without distractions. A screen that is 61% less glossy than conventional AGLR film enables you to fully view your game environments, making it easier to get the drop on enemies.

**NVIDIA G-SYNC**

#### G-Sync Compatibility

G-Sync compatibility keeps the GPU and panel synced up to eliminate choppiness, screen-lag, and image tears.



#### Sleek Metal Design

An upgraded modern design, measuring just 3.9mm at its thinnest point, transforms any room into a high-tech paradise. CoreLighting+ matches your mood with ambient lighting for any vibe, enabling you to create a distinctive space of your own.



Specifications

Model Code	LS32DG802SNXZA	
Display	Screen Size (Class)	32"
	Flat / Curved	Flat
	Active Display Size (HxV) (mm)	699.48 (H) x 394.73 (V) mm / 27.5 (H) x 15.5 (V) in.
	Aspect Ratio	16:9
	Panel Type	OLED
	Brightness (Typical)	250 cd/m²
	Brightness (Min)	200 cd/m²
	Contrast Ratio (Static)	1,000,000:1
	Contrast Ratio (Dynamic)	Mega DCR
	HDR(High Dynamic Range)	HDR10
	HDR10+	HDR10+ Gaming
	Resolution	4K (3,840 x 2,160)
	Response Time (ms)	0.03ms (GTG)
	Viewing Angle (H/V)	178° (H)/178° (V)
	Color Support	Max 1B
	Color Gamut (DCI Coverage)	99% (CIE1976)
General Feature	Frame Rate	Max 240Hz
	Eye Saver Mode	Yes
	Flicker Free	Yes
	Quantum Dot Color	Yes
	Image Size	Yes
	Windows Certification	Windows 11
	FreeSync	FreeSync Premium Pro
	Off Timer Plus	Yes
	Virtual AIM Point	Yes
	Core Sync	Yes
	Game Bar	Yes
	Gaming Hub	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)
	HDMI-CEC	Yes
	Auto Source Switch	Auto Source Switch+
	Adaptive Picture	Yes
Smart Service	Super Ultrawide GameView	Yes
	G-Sync	G-Sync Compatible
	Smart Type	Smart
	Operating System	Tizen™
	Bixby	Yes
	Far-Field Voice Interaction	Yes
	Built-in Voice Assistant	Alexa
	TV Plus	Yes
	Universal Guide	Yes (U.S. only)
	SmartThings Hub	Yes
	Multi Device Experience	Mobile to Screen, Screen initiate mirroring, Sound Mirroring, Wireless On, Tap View
	My Contents	Yes
	ScreenVitals	Yes
	Multi View	Up to 2 videos
	Smart Calibration	Basic
Interface	Workspace	Yes
	Wireless Display	Yes
	Display Port	1 EA
	Display Port Version	1.4
	HDCP Version (DP)	2.2
	HDMI	2 EA
	HDMI Version	2.1
	HDCP Version (HDMI)	2.2
	USB Ports	2
	USB Hub Version	3
Audio	WiFi	Yes (WiFi5)
	Bluetooth	Yes (5.2)
	Speaker	Yes
Operation Conditions	Speaker Output	10W
	Adaptive Sound	Adaptive Sound Pro
	Temperature	0°C~40°C / 32~104 °F
Calibration	Humidity	10%~80%, Non-Condensing %
	Factory Tuning	Yes
Design	Factory Calibration Report	Yes
	Front Color	Silver
	Rear Color	Silver
	Stand Color	Silver
	Stand Type	HAS PIVOT
	HAS (Height Adjustable Stand)	120.0 ±5.0 / 4.7 ±0.2 in.
	Tilt	-2.0° (±2.0°) ~ 25.0° (±2.0°)
	Swivel	-30° (±3.0°) ~ +30° (±3.0°)
	Pivot	-92.0° (±2.0°) ~ +92.0° (±2.0°)
	Wall Mount	100 x 100
Eco	Recycled Plastic	Yes
Power	Power Supply	AC100-240V 50/60Hz
	Power Consumption (Max)	180 W
Dimension	Type	External Adaptor
	Set Dimension with Stand (WxHxD)	719.7 x 584.6 x 263.5 mm / 28.3 x 23 x 10.4 in.
	Set Dimension without Stand (WxHxD)	719.7 x 414.7 x 49.2 mm / 28.3 x 16.3 x 1.9 in.
	Package Dimension (WxHxD)	815 x 200 x 530 mm / 32.1 x 7.9 x 20.9 in.
Weight	Set Weight with Stand	8.4 kg / 18.5 lbs.
	Set Weight without Stand	5.3 kg / 11.7 lbs.
	Package Weight	12.0 kg / 26.5 lbs.
Accessory	Power Cable Length	1.5 m / 4.9 ft.
	HDMI Cable	Yes
	DP Cable	Yes
	USB Type A to B Upstream Cable	Yes
	Remote Controller	Yes
Certification and Compliance	UL Glare Free	Yes
Burn-in cover in warranty		Burn-in at normal usage covered within warranty. (But, not covered for Commercial, abuse or mis-use)

Front view



Back view



Side view



Connectivity



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