

SAMSUNG



27" Odyssey 3D G90XF 4K 165Hz Gaming Monitor

LS27FG900XNXZA

Samsung's 27" Odyssey G9 Gaming Monitor delivers the industry's best 3D picture quality for epic gameplay. Experience 3D gaming without the need for special glasses, thanks to eye-tracking technology and view mapping algorithms. AI 3D Video Conversion analyzes and converts content, transforming videos into 3D, and Odyssey 3D Hub is the gateway to an unbeatable 3D video and gaming experience. Built-in dual speakers provide directional sound that enriches the audio of 3D videos. 165Hz Refresh Rate and near-instant 1ms Response Time (GtG) enable movements in real-time with minimized lag for ultra-smooth gameplay. G-Sync compatibility and AMD FreeSync Premium reduce choppiness, screen lag, and image tears, even for the most intense fast-action gaming sessions. Edge Lighting expands game maps with LEDs around the bottom of the monitor which detect and match colors on the screen for a more realistic visual experience.

Key features



Glasses-free 3D experience

Break down the barriers between imagination and reality with the industry's best 3D picture quality. Immerse yourself in a diverse array of 3D gaming experiences across genres with stunning 3D effects on a 4K screen — all without the need for special glasses, thanks to eye-tracking technology and view mapping algorithms.



AI 3D video conversion

Transform your favorite videos into 3D. AI analyzes and converts videos to add depth to the objects, giving you a new way to enjoy content you love.



Spatial audio

Built-in dual speakers provide directional sound that enhances the audio of 3D videos, bringing games straight out of the screen into your world.



1ms

165Hz refresh rate and 1ms response time

Stay ahead of the competition with a steady 165Hz refresh rate and near-instant 1ms response time (GtG). Catch movements in real-time with minimized lag for sharp precision and ultra-smooth, unbeatable gameplay.



G-Sync compatible

G-Sync compatibility syncs the GPU and panel to reduce choppiness, screen lag and image tearing. Along with AMD FreeSync Premium, it creates ultra-smooth scenes that flow smoothly to the next.

Specifications

Model Code	LS27FG900XNXZA	
Display	Screen Size (Class)	27"
	Flat / Curved	Flat
	Active Display Size (HxV) (mm)	596.736 x 335.664 mm / 23.5 x 29.0 x 13.2 in.
	Aspect Ratio	16:9
	Panel Type	IPS
	Brightness (Typical)	350 cd/m ²
	Brightness (Min)	280 cd/m ²
	Contrast Ratio (Static)	1000:1
	HDR(High Dynamic Range)	HDR10
	HDR10+	HDR10+ Gaming
	Resolution	4K (3,840 x 2,160)
	Response Time (ms)	1ms (GTG)
	Viewing Angle (H/V)	178° /178°
	Color Support	Max 1B
	Color Gamut (sRGB Coverage)	99% (CIE1931)
	Frame Rate	Max 165Hz
General Feature	Energy Saving Solution	Yes
	Eye Saver Mode	Yes
	Flicker Free	Yes
	Picture-In-Picture	Yes
	Image Size	Yes
	Windows Certification	Windows11
	FreeSync	FreeSync Premium
	G-Sync	G-Sync Compatible
	Off Timer Plus	Yes
	Black Equalizer	Yes
	Virtual AIM Point	Yes
	Auto Source Switch	Auto Source Switch+
	Super Ultrawide GameView	Yes
Smart Service	Smart Type	No
Interface	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
	Headphone	No
	USB Ports	2
	USB Hub Version	3.1 Gen1
Audio	USB-C	No
	USB-B Upstream Port	1
Audio	Speaker	Yes
	Speaker Output	5W x 2ch
Operation Conditions	Temperature	0 - 40 °C
	Humidity	10-80, non-condensing %
Calibration	Factory Tuning	Yes
	Factory Calibration Report	Yes
Design	Front Color	Mercury Silver
	Rear Color	Mercury Silver
	Stand Color	Mercury silver
	Stand Type	HAS PIVOT
	HAS(Height Adjustable Stand)	120mm (±5.0mm)
	Tilt	-3.0° (±3.0°)~15.0° (±3.0°)
Eco	Pivot	-92.0° (±2.0°) ~ +92.0° (±2.0°)
	Wall Mount	100 x 100
Power	Recycled Plastic	13.70%
	Power Supply	AC100-240V
Dimension	Power Consumption (Max)	78 W
	Type	External Adaptor
	Set Dimension with Stand (WxHxD)	614.1 x 541.5 x 203.3 mm / 24.2 x 21.3 x 8.0 in.
Weight	Set Dimension without Stand (WxHxD)	614.1 x 372.2 x 46.0 mm / 24.2 x 14.7 x 1.8 in.
	Package Dimension (WxHxD)	834.0 x 133 x 434 mm / 32.8 x 5.2 x 17.1 in.
Accessory	Set Weight with Stand	7.5 kg / 16.5 lbs.
	Set Weight without Stand	4.7 kg / 10.4 lbs.
Accessory	Package Weight	9.6 kg / 21.2 lbs.
	Power Cable Length	1.5 m / 5 ft.
	HDMI Cable	Yes
	DP Cable	Yes
Accessory	DPIN	Yes
	USB Type A to B Upstream Cable	Yes

Front view



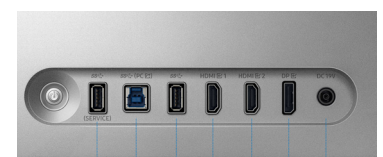
Back view



Side view



Connectivity



- USB Type-A Downstream/SERVICE ● USB Type-B Upstream ● USB Type-A Downstream
- HDMI IN1 ● HDMI IN2 ● DPIN ● POWER