

# SAMSUNG



## 27" Odyssey G7 G70F Fast IPS Dual Mode 4K 180Hz / FHD 360Hz Gaming Monitor

LS27FG706ENXZA

Samsung's 27" Odyssey G7 Dual Mode 4K / FHD Gaming Monitor produces stunning visuals and lightning-fast action for immersive gameplay. Dual mode enables effortless toggling between resolutions and refresh rates with a choice of 180Hz in 4K UHD or 360Hz in Full HD. With 4x the pixel density of FHD, 4K UHD delivers true-to-life visuals that fill the screen, while the Fast IPS panel accurately delivers clear, crisp hues that stay consistent across the whole screen. HDR10 provides brighter highlights and nuanced shadow for added depth, making scenes feel more realistic, while the near-instant 1ms response time (GtG) minimizes lag for unbeatable gaming precision, ensuring that moves are captured in real-time. G-Sync compatibility along with AMD FreeSync™ Premium reduce choppiness, screen lag and image tearing for ultra-smooth scenes that seamlessly flow one into the next. Auto Source Switch+ allows instantaneous switching between connected devices, and the Ergonomic Stand enables the monitor to be tilted, height adjusted, and pivoted for total gaming comfort.

### Key features



#### Dual Mode

Choose the mode that fits the game you're playing. Whether you're admiring stunning visuals at 180Hz in 4K UHD or aiming for lightning-fast action at 360Hz in Full HD, Dual Mode allows you to effortlessly toggle between resolutions and refresh rates for a tailored gaming experience.



#### 4K UHD

Surround yourself with details that make your gaming world more lifelike than ever before. With 4 times the pixel density of FHD, 4K UHD resolution delivers true-to-life visuals that fill the screen, so you can fully engage in the action.



#### Fast IPS

Enjoy realistic game scenes with Fast IPS panel. The 178° wide viewing angle accurately delivers clear, crisp hues that stay consistent from various viewpoints, while quick response time reduces motion blur and ghosting — providing an engaging gaming experience.



#### HDR10

Enjoy lifelike visuals with improved contrast and color accuracy. HDR10 provides brighter highlights and nuanced shadow for added depth — making scenes feel more vivid and realistic.



#### 1ms response time (GtG)

With a near-instant response time of 1ms (GtG), you can capture enemy movements in real-time for unbeatable gaming precision.



#### NVIDIA 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	LS27FG706ENXZA		
Display	Screen Size (Class)	27"	
	Flat / Curved	Flat	
	Active Display Size (HxV) (mm)	596.736 x 335.664 mm / 23.5 x 13.2 in.	
	Aspect Ratio	16:09	
	Panel Type	IPS	
	Brightness (Typical)	350 cd/m <sup>2</sup>	
	Brightness (Min)	280 cd/m <sup>2</sup>	
	Contrast Ratio (Static)	1000 : 1 (Typ.)	
	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%	
	Frame Rate	Max 4K180Hz / FHD 360Hz	
General Feature	Energy Saving Solution	Yes	
	Eye Saver Mode	Yes	
	Flicker Free	Yes	
	Image Size	Yes	
	Windows Certification	Windows11	
	FreeSync	FreeSync Premium	
	G-Sync	No	
	Off Timer Plus	Yes	
	Black Equalizer	Yes	
	Virtual AIM Point	Yes	
	Super Arena Gaming UX	Yes	
	Auto Source Switch	Auto Source Switch+	
	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		Yes	
USB-C		No	
USB-B Upstream Port		1	
USB Type-A Downstream Port		2	
USB Type-A Downstream Version	3.2 Gen1		
Audio	Speaker	No	
Operation Conditions	Temperature	10 - 40 °C	
	Humidity	10 - 80 (Non-Condensing) %	
Calibration	Factory Tuning	Yes	
	Factory Calibration Report	Yes	
Design	Front Color	Black	
	Rear Color	Black	
	Stand Color	Black	
	Stand Type	HAS PIVOT	
	HAS(Height Adjustable Stand)	120.0mm (±5.0mm) / 4.7 in. (±0.197 in.)	
	Tilt	-2.0 (±2.0) - 25.0° (±2.0°)	
	Swivel	-30.0 (±3.0) - 30.0° (±3.0°)	
Pivot	-92.0 (±2.0) - 92.0° (±2.0°)		
Power	Wall Mount	100 x 100	
	Power Supply	AC 100 - 240 V	
	Power Consumption (Max)	78 W	
Dimension	Type	External Adaptor	
	Set Dimension with Stand (WxHxD)	613 x 553.2 x 263.5 mm / 24.1 x 21.8 x 10.4 in.	
	Maximum Height	553.2 mm / 21.8 in.	
	Minimum Height	433.2 mm / 17.1 in.	
	Set Dimension without Stand (WxHxD)	613 x 361.5 x 73.8 mm / 24.1 x 14.2 x 3 in.	
Weight	Package Dimension (WxHxD)	695 x 159 x 478 mm / 27.4 x 6.3 x 18.8 in.	
	Set Weight with Stand	7.1 kg / 15.7 lbs.	
	Set Weight without Stand	3.9 kg / 8.6 lbs.	
	Package Weight	8.9 kg / 19.6 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	

Front view



Back view



Side view



Connectivity



● Headphone OUT ● USB Type-A Downstream/ SERVICE ● USB Type-B Upstream  
 ● USB Type-A Downstream ● HDMI IN 1 ● HDMI IN 2 ● DP IN ● POWER