# Odyssey G50D QHD Fast IPS 180Hz 1ms DisplayHDR 400 Gaming Monitor

LS27DG500ENXZA | LS32DG502ENXZA

Samsung's Odyssey G50D Gaming Monitor with QHD resolution features incredibly detailed, pin-sharp images. The Fast IPS panel delivers clear, vibrant colors and a 178° viewing angle, while the 180Hz refresh rate and 1ms response time (GtG) eliminates lag and enables frames with minimal blur for ultra-smooth gaming action. VESA DisplayHDR 400 offers more clarity, providing dynamic contrast with deeper blacks and brighter whites. AMD FreeSync™ keeps the monitor and graphics card refresh rate in sync for a seamless experience. Features an ergonomic stand that makes it easy to swivel, tilt, and adjust the height of the monitor, plus Eye Saver mode, which enables more focused gaming with less eye strain, for total comfort even when playing for extended periods of time.

## Key features

### QHD
### FAST IPS

**QHD Resolution and Fast IPS panel**

QHD resolution packs in 1.7 times the pixel density of Full HD and boasts detailed, pin-sharp images. Fast IPS panel delivers clear colors and a wide 178° viewing angle for clarity from any viewpoint. With more pixels and greater depth, games feel closer to reality than ever before.

### 180Hz
Refresh Rate

### 1ms

**180Hz refresh rate and 1ms response time (GtG)**

Speed through scenes. 180Hz refresh rate eliminates lag for exhilarating gameplay with ultra-smooth action. A 1ms response time (GtG) enables frames with minimal blur, allowing you to jump on enemies the second you see them.

### VESA CERTIFIED DisplayHDR™ 400

**VESA DisplayHDR 400**

Reveal the whole picture. DisplayHDR 400 delivers more contrast, with deeper blacks and brighter whites, to help you uncover hidden enemies lurking in the shadows. Even in dark scenes, every detail shines with clarity.

### AMD RADEON FreeSync

**AMD FreeSync™**

AMD Radeon FreeSync™ keeps your monitor and graphics card refresh rate in sync to reduce image tearing. Watch movies and play games without interruptions. Even fast scenes look seamless and smooth.

# Specifications

| Model | | LS27DG500ENXZA | LS32DG502ENXZA |
|---|---|---|---|
| **Display** | Screen Size (Class) | 27" | 32" |
| | Flat / Curved | Flat | Flat |
| | Active Display Size (HxV) (mm) (inches) | 596.736 (H) x 335.664 (V) / 23.5 (H) x 13.2 (V) in. | 698.112 (H) x 392.688 (V) / 27.5 (H) x 15.5 in. |
| | Aspect Ratio | 16:9 | 16:9 |
| | Panel Type | IPS | IPS |
| | Brightness (Typical) | 350 cd/m² | 350 cd/m² |
| | Brightness (Min) | 280 cd/m² | 280 cd/m² |
| | Contrast Ratio (Static) | 1000 : 1 (Typ.) | 1000 : 1 (Typ.) |
| | Contrast Ratio (Dynamic) | Mega ∞ DCR | Mega ∞ DCR |
| | HDR (High Dynamic Range) | VESA DisplayHDR 400 | VESA DisplayHDR 400 |
| | Resolution | QHD (2,560 x 1,440) | QHD (2,560 x 1,440) |
| | Response Time (ms) | 1ms (GTG) | 1ms (GTG) |
| | Viewing Angle (H/V) | 178°(H) / 178°(V) | 178°(H) / 178°(V) |
| | Color Support | Max 16.7M | Max 16.7M |
| | Color Gamut (sRGB Coverage) | 99% | 99% |
| | Frame Rate | Max 180Hz | Max 180Hz |
| **General Feature** | Eye Saver Mode | Yes | Yes |
| | Flicker Free | Yes | Yes |
| | Image Size | Yes | Yes |
| | Windows Certification | Windows 11 | Windows 11 |
| | FreeSync | FreeSync | FreeSync |
| | Off Timer Plus | Yes | Yes |
| | Black Equalizer | Yes | Yes |
| | Virtual AIM Point | Yes | Yes |
| | Refresh Rate Optimizor | Yes | Yes |
| | Super Arena Gaming UX | Yes | Yes |
| | Auto Source Switch | Auto Source Switch+ | Auto Source Switch+ |
| **Interface** | Display Port | 1 EA | 1 EA |
| | Display Port Version | 1.2 | 1.2 |
| | HDCP Version (DP) | 2.2 | 2.2 |
| | HDMI | 1 EA | 1 EA |
| | HDMI Version | 2 | 2 |
| | HDCP Version (HDMI) | 2.2 | 2.2 |
| | Headphone | Yes | Yes |
| **Operation Conditions** | Temperature | 10~40 ℃ / 50~104 °F | 10~40 ℃ / 50~104 °F |
| | Humidity | 10~80, non-condensing % | 10~80, non-condensing % |
| **Design** | Front Color | Black | Black |
| | Rear Color | Black | Black |
| | Stand Color | Black | Black |
| | Stand Type | HAS PIVOT | HAS PIVOT |
| | HAS(Height Adjustable Stand) | 120.0 ±5.0 / 4.7 ±0.2 in. | 120.0 ±5.0 / 4.7 ±0.2 in. |
| | Tilt | -2.0º(± 2°) ~ 25.0º(± 2°) | -2.0º(± 2°) ~ 25.0º(± 2°) |
| | Swivel | -30.0º(± 3°) ~ 30.0º(± 3°) | -30.0º(± 3°) ~ 30.0º(± 3°) |
| | Pivot | -92.0º(± 2°) ~ 92.0º(± 2°) | -92.0º(± 2°) ~ 92.0º(± 2°) |
| | Wall Mount | 100 x 100 | 100 x 100 |
| **Power** | Power Supply | AC 100~240V | AC 100~240V |
| | Power Consumption (Max) | 48 W | 59W |
| | Type | External Adaptor | External Adaptor |
| **Dimension** | Set Dimension with Stand (WxHxD) | 613 x 552 x 263.5 mm / 24.1 x 21.7 x 10.4 in. | 714.2 x 581.9 x 263.5 mm / 28.1 x 22.9 x 10.4 in. |
| | Set Dimension without Stand (WxHxD) | 613 x 361.5 x 70 mm / 24.1 x 14.2 x 2.8 in. | 714.2 x 418.4 x 70 mm / 28.1 x 16.5 x 2.8 in. |
| | Package Dimension (WxHxD) | 695 x 159 x 478 mm / 27.4 x 6.3 x 18.1 in. | 798 x 166 x 519 mm / 31.4 x 6.5 x 20.4 in. |
| **Weight** | Set Weight with Stand | 6.4 kg / 14.1 lbs | 7.4 kg / 16.3 lbs. |
| | Set Weight without Stand | 3.4 kg / 7.5 lbs. | 4.4 kg / 9.7 lbs. |
| | Package Weight | 8.3 kg / 18.3 lbs. | 9.7 kg / 21.4 lbs. |
| **Accessory** | Power Cable Length | 1.5 m / 4.9 ft. | 1.5 m / 4.9 ft. |
| | HDMI Cable | N/A | Yes |
| | DP Cable | Yes | Yes |

**Front view**



Odyssey G5

**Back view**



**Side view**





**Connectivity**



❶ HDMI IN  ❷ DP IN  ❸ SERVICE  ❹ POWER