

A Samsung Odyssey G50D Gaming Monitor is shown at an angle, displaying a vibrant, high-contrast image of a dragon in a dark, fiery environment. The monitor has a thin bezel and a stand. The background is a dark, textured surface with a repeating geometric pattern.

**SAMSUNG**

# 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**



### 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 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%                                               |
| General Feature      | Frame Rate                              | Max 180Hz                                           | Max 180Hz                                         |
|                      | 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                                               |
| Interface            | Super Arena Gaming UX                   | Yes                                                 | Yes                                               |
|                      | Auto Source Switch                      | Auto Source Switch+                                 | Auto Source Switch+                               |
|                      | 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                                                 |
| Operation Conditions | HDCP Version (HDMI)                     | 2.2                                                 | 2.2                                               |
|                      | Headphone                               | Yes                                                 | Yes                                               |
| Design               | Temperature                             | 10~40 °C / 50~104 °F                                | 10~40 °C / 50~104 °F                              |
|                      | Humidity                                | 10~80, non-condensing %                             | 10~80, non-condensing %                           |
|                      | 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(± 2º) ~ 25.0º(± 2º)                           | -2.0º(± 2º) ~ 25.0º(± 2º)                         |
|                      | Swivel                                  | -30.0º(± 3º) ~ 30.0º(± 3º)                          | -30.0º(± 3º) ~ 30.0º(± 3º)                        |
|                      | Pivot                                   | -92.0º(± 2º) ~ 92.0º(± 2º)                          | -92.0º(± 2º) ~ 92.0º(± 2º)                        |
| Power                | Wall Mount                              | 100 x 100                                           | 100 x 100                                         |
|                      | Power Supply                            | AC 100~240V                                         | AC 100~240V                                       |
|                      | Power Consumption (Max)                 | 48 W                                                | 59W                                               |
| Dimension            | Type                                    | External Adaptor                                    | External Adaptor                                  |
|                      | 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.     |
| Weight               | 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.        |
|                      | 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.                                 |
| Accessory            | Package Weight                          | 8.3 kg / 18.3 lbs.                                  | 9.7 kg / 21.4 lbs.                                |
|                      | 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



Back view



Side view



Connectivity



● HDMI IN ● DP IN ● SERVICE ● POWER

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