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› [ASUS TUF Gaming VG279QM 27" HDR Monitor User Manual](#)

ASUS VG279QM

ASUS TUF Gaming VG279QM 27" HDR Monitor User Manual

Model: VG279QM | Brand: ASUS

1. INTRODUCTION AND OVERVIEW

The 27-inch ASUS TUF Gaming VG279QM features Fast IPS technology which enables 1ms (GTG) response time for sharp gaming visuals with high frame rates at 280Hz refresh rate (overclocked). Enjoy a super-smooth gameplay with ASUS-Exclusive ELMB Sync Technology which enables motion blur reduction and adaptive sync technology to be used simultaneously.

Key Features:

- 27-inch Full HD (1920 x 1080) Fast IPS gaming monitor with ultrafast 280Hz refresh rate (overclocked) designed for professional gamers and immersive gameplay.
- ASUS Extreme Low Motion Blur Sync (ELMB SYNC) technology enables ELMB together with G-SYNC Compatible, eliminating ghosting and tearing for sharp gaming visuals with high frame rates.
- Certified as G-SYNC Compatible, delivering a seamless, tear-free gaming experience by enabling VRR (variable refresh rate) by default.
- High Dynamic Range (HDR) technology with professional color gamut delivers contrast and color performance that meets the DisplayHDR 400 certification.
- Connectivity ports include DisplayPort 1.2 and HDMI(v2.0) x2.

2. SETUP GUIDE

2.1 Unpacking and Assembly

Carefully remove all components from the packaging. Ensure all parts are present before proceeding with assembly.



Figure 2.1: Front view of the ASUS TUF Gaming VG279QM Monitor.

Incredibly Fast 280 Hz Refresh Rate

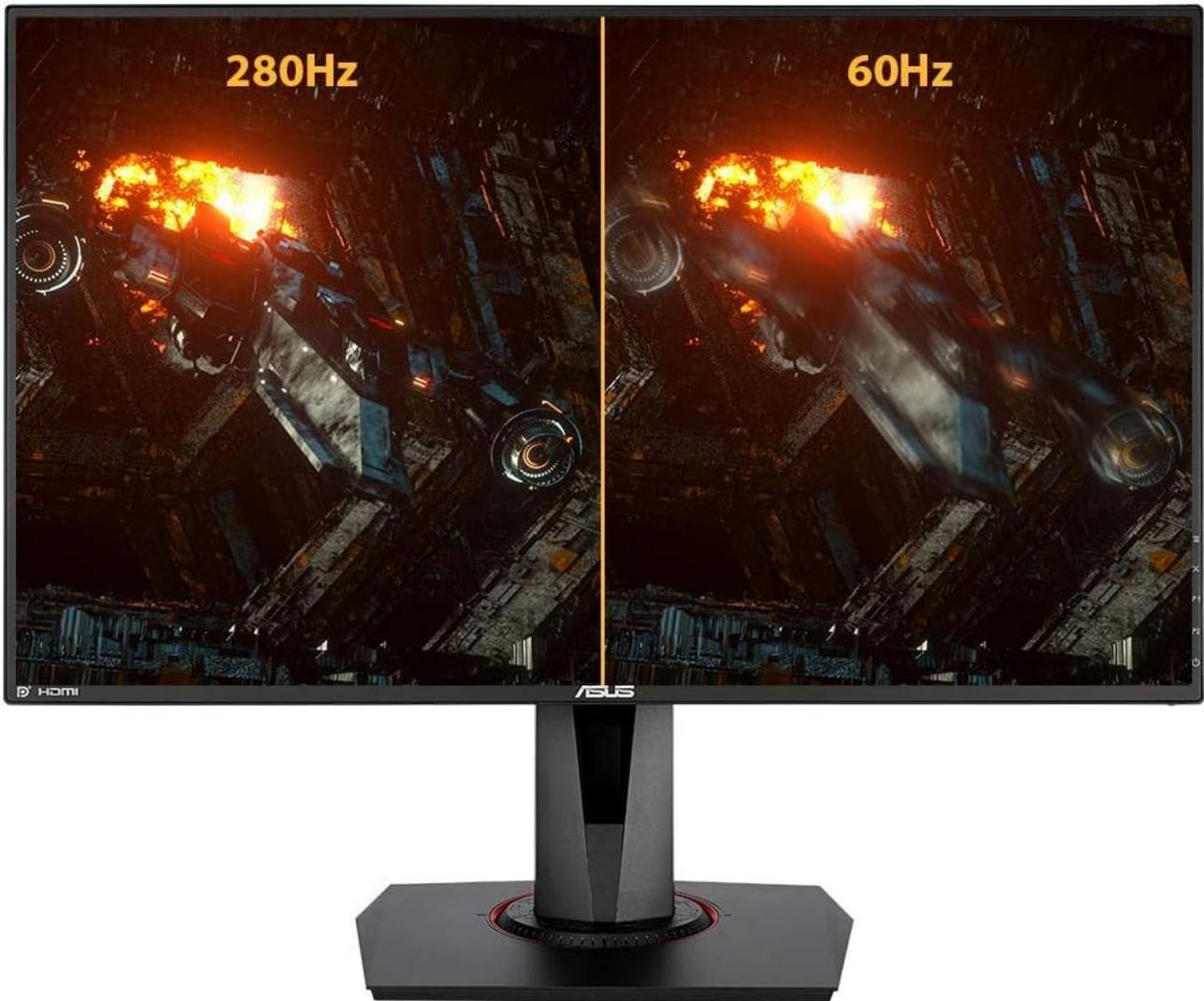


Figure 2.2: Monitor and stand components for assembly.

2.2 Connecting the Monitor

Connect the monitor to your computer using the provided cables. Ensure secure connections for optimal performance.

HIGH DYNAMIC RANGE (HDR) WITH DISPLAYHDR™ 400



Figure 2.3: Rear view of the monitor showing DisplayPort and HDMI connections.

2.3 What's in the Box

- 1 x DisplayPort 1.2 cable
- 2 x HDMI(v2.0) cables

3. OPERATING INSTRUCTIONS

3.1 On-Screen Display (OSD) Navigation

The monitor's settings can be adjusted using the On-Screen Display (OSD) menu. Navigate the menu using the joystick and buttons located on the rear right side of the monitor.

3.2 Refresh Rate and Response Time

The VG279QM boasts an ultrafast 280Hz refresh rate and 1ms (GTG) response time, crucial for competitive gaming.

ASUS FastIPS Display- 1ms (GTG) Response Time



Figure 3.1: Visual comparison demonstrating the smoothness of 280Hz versus 60Hz refresh rates.

EXTREME LOW MOTION BLUR SYNC

ADAPTIVE-SYNC

ELMB (1MS MPRT)



Figure 3.2: Visual comparison of 1ms (Gray-to-Gray) response time with Fast IPS technology versus 4ms IPS.

3.3 ELMB Sync and G-SYNC Compatibility

ASUS Extreme Low Motion Blur Sync (ELMB SYNC) technology allows simultaneous use of motion blur reduction and adaptive sync technologies for sharp visuals.

HIGH DYNAMIC RANGE (HDR) WITH DISPLAYHDR™ 400



Figure 3.3: Comparison showing the effect of ELMB Sync on motion clarity.

3.4 High Dynamic Range (HDR)

Experience enhanced contrast and color performance with DisplayHDR 400 certification.

HIGH DYNAMIC RANGE (HDR) WITH DISPLAYHDR™ 400



Figure 3.4: Visual comparison of High Dynamic Range (HDR) enabled versus disabled.

4. ERGONOMIC DESIGN

The monitor features an ergonomic stand allowing for extensive adjustments to suit your viewing preferences.

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Figure 4.1: Various ergonomic adjustments available including height, swivel, pivot, and tilt.

5. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your ASUS TUF Gaming VG279QM monitor, follow these maintenance guidelines:

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn smudges, lightly dampen the cloth with water or a non-abrasive screen cleaner. Avoid using alcohol-based cleaners or harsh chemicals.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor's casing. Do not use liquid cleaners directly on the monitor.
- **Ventilation:** Ensure the ventilation openings on the monitor are not blocked. Proper airflow prevents overheating.
- **Handling:** Avoid placing heavy objects on the monitor or its cables. Do not expose the monitor to extreme temperatures, humidity, or direct sunlight.

- **Power Off:** When not in use for extended periods, it is recommended to power off the monitor and unplug it from the power outlet.

6. TROUBLESHOOTING

If you encounter issues with your ASUS TUF Gaming VG279QM monitor, refer to the following common troubleshooting steps:

- **No Display/Black Screen:**
 - Check if the power cable is securely connected to both the monitor and the power outlet.
 - Verify that the video cable (DisplayPort or HDMI) is firmly connected to both the monitor and your computer's graphics card.
 - Ensure your computer is powered on and not in sleep mode.
 - Try switching input sources on the monitor's OSD menu to ensure the correct input is selected.
- **Flickering Screen:**
 - Check the video cable for any damage or loose connections. Try a different cable if possible.
 - Update your graphics card drivers to the latest version.
 - Adjust the refresh rate in your display settings. Sometimes, a lower refresh rate can resolve flickering.
 - Disable or adjust ELMB Sync or G-SYNC settings in the monitor's OSD or graphics card control panel.
- **Image Quality Issues (Blurry, Distorted, Incorrect Colors):**
 - Ensure the monitor is set to its native resolution (1920 x 1080).
 - Perform an OSD reset to restore factory default settings.
 - Calibrate your monitor's color settings through your operating system or graphics card control panel.
- **G-SYNC Not Working:**
 - Ensure G-SYNC is enabled in the NVIDIA Control Panel.
 - Verify that the monitor is connected via DisplayPort, as G-SYNC typically requires this connection.
 - Check the monitor's OSD menu to ensure Adaptive Sync or G-SYNC Compatible mode is enabled.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the ASUS TUF Gaming VG279QM monitor:

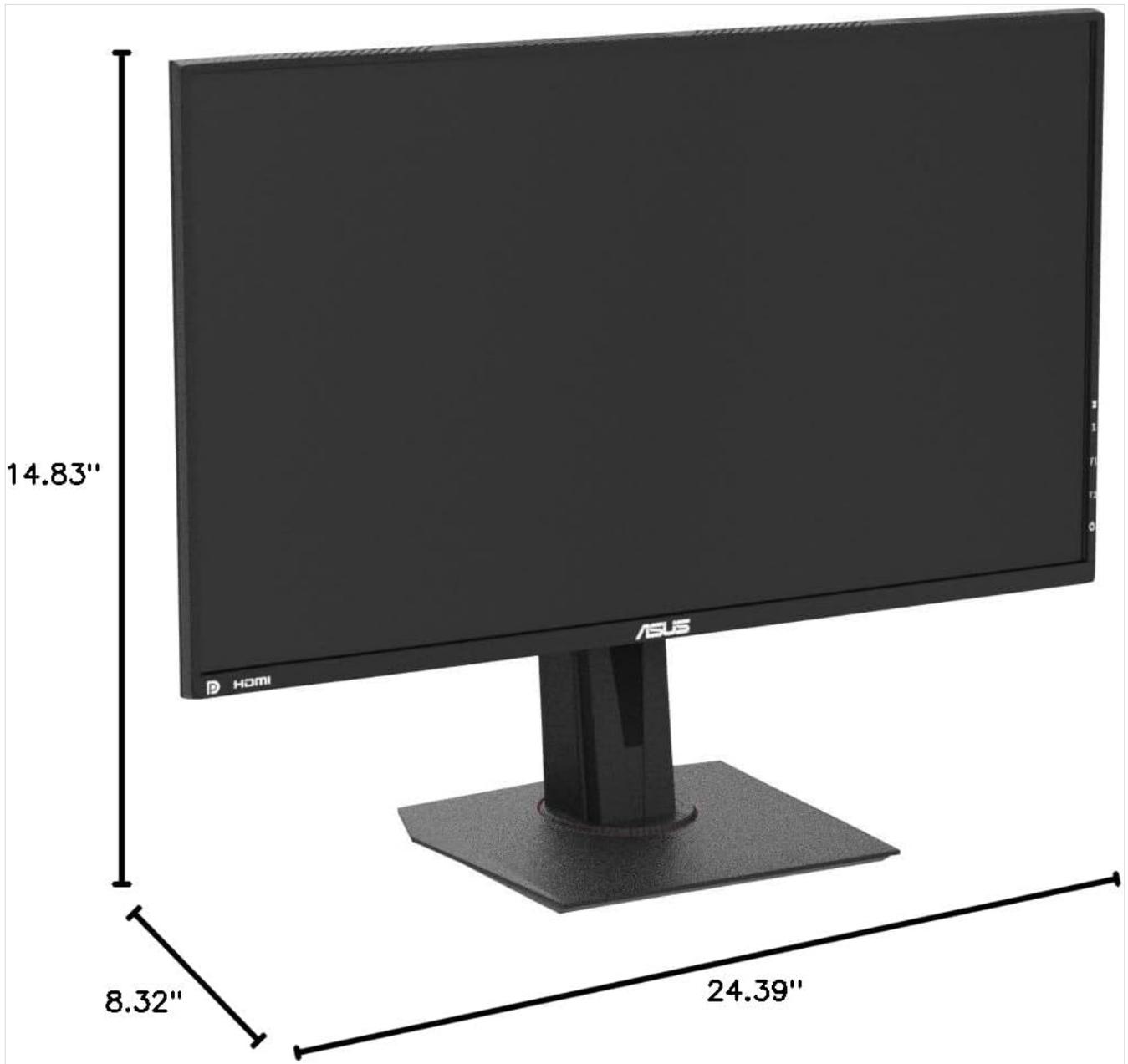


Figure 7.1: Physical dimensions of the ASUS TUF Gaming VG279QM Monitor.

Specification	Value
Brand	ASUS
Series	TUF Gaming VG279QM
Item Model Number	VG279QM
Standing Screen Display Size	27 Inches
Screen Resolution	1920x1080 (Full HD)
Max Screen Resolution	1920 x 1080
Refresh Rate	280Hz (Overclocked)
Response Time	1ms (GTG)
Panel Type	Fast IPS

Specification	Value
HDR Certification	DisplayHDR 400
Adaptive Sync Technology	G-SYNC Compatible, FreeSync
Connectivity	DisplayPort 1.2, HDMI(v2.0) x2
Number of USB 3.0 Ports	2
Item Weight	12.3 pounds
Product Dimensions (LxWxH)	8.32 x 24.39 x 14.83 inches
Color	Black
Power Source	Electric
Voltage	12 Volts
Country of Origin	China
Date First Available	February 6, 2020

8. WARRANTY AND SUPPORT

8.1 Product Warranty

The ASUS TUF Gaming VG279QM monitor typically comes with a 3-year protection plan. For detailed warranty terms and conditions, please refer to the official ASUS warranty documentation.

8.2 Additional Resources

- **Official User Guide (PDF):** [Download User Guide](#)
- **ASUS Brand Store:** [Visit ASUS Store on Amazon](#)
- **EU Energy Label Information:** [View EU Energy Label](#)