

Dell 32 UHD Gaming Monitor G3223Q

Key Features

- **Dell 32 UHD Gaming Monitor G3223Q** ⇒ **Display Size: 32 inches**, offering ample screen real estate for gaming, productivity, and multimedia tasks.
- **Resolution:** 4K UHD (3840 x 2160), providing sharp and detailed visuals, perfect for high-end gaming and media consumption.
- **Panel Type:** IPS (In-Plane Switching) panel for wide viewing angles and accurate color reproduction.
- **Refresh Rate:** 144Hz refresh rate, offering smooth gameplay, especially for fast-paced action games.
- **Response Time:** 1ms GTG (Gray-to-Gray), ensuring minimal motion blur and fast pixel response, crucial for gaming.
- **HDR Support:** Supports both HDR10 and Dolby Vision, providing high dynamic range for more vibrant and realistic images.
- **Connectivity:** Multiple ports, including HDMI 2.1 and DisplayPort 1.4, for compatibility with next-gen consoles, PCs, and other devices.
- **NVIDIA G-Sync and AMD Free Sync Premium Pro:** These technologies ensure smoother gameplay with reduced screen tearing, regardless of which GPU you're using.
- **Color Accuracy:** Covers a wide color gamut, with factory calibration, making it suitable for content creators and those who require precise color reproduction.
- **Ergonomics:** Adjustable stand with height, tilt, swivel, and pivot adjustments for a more comfortable viewing experience.

Design

- **The stand** allows for easy adjustments to improve comfort during long gaming or work sessions.
-

Performance and Visual Quality

- **4K Resolution (3840 x 2160):** This 32-inch 4K display provides a pixel density that ensures sharp, crisp images with fine details. It's especially beneficial for those who want ultra-high-definition visuals for gaming, movie watching, or content creation.
- **IPS Panel:** The IPS (In-Plane Switching) technology ensures accurate colors and wide viewing angles (up to 178° horizontally and vertically), meaning the image won't distort or lose clarity, even if you're viewing it from extreme angles. This is ideal for multi-user environments or collaborative work.

Brightness and Contrast

- The monitor supports a peak brightness of up to **600 nits** in HDR mode, providing a brighter and more vibrant experience, especially in high dynamic range (HDR) content.
- **With a 1,000:1 contrast ratio (standard)**, combined with HDR support, the display delivers deep blacks and bright highlights for improved contrast.

Gaming Features

- **144Hz Refresh Rate:** With a 144Hz refresh rate, this monitor can handle fast-paced, high-intensity gaming without motion blur or stutter, ensuring smoother gameplay, which is crucial for competitive gaming or fast action games.
- **1ms Response Time:** The low 1ms Gray-to-Gray (GTG) response time minimizes ghosting and motion blur during rapid on-screen movements, improving the overall clarity and responsiveness of games.
- **NVIDIA G-Sync and AMD Free Sync Premium Pro:** These technologies reduce screen tearing and stuttering by syncing the monitor's refresh rate with the graphics card's frame output. G-Sync is for NVIDIA GPUs, and Free Sync Premium Pro supports AMD GPUs, offering compatibility with most gaming systems.

HDR and Color Accuracy

- **HDR Support:** The HDR10 and Dolby Vision standards are supported for better contrast and a wider color gamut, making the colors more vivid and lifelike.
- **Color Coverage:** The monitor covers 98% of the DCI-P3 color space, which is ideal for tasks that require high color accuracy, such as photo and video editing. It also offers excellent sRGB color coverage (around 100%), which is the standard for web content.

Connectivity

- **HDMI 2.1 and DisplayPort 1.4:** With HDMI 2.1 support, you can enjoy higher refresh rates at 4K resolution when connected to next-gen gaming consoles like the PlayStation 5 or Xbox Series X. DisplayPort 1.4 is perfect for high-end PCs to maximize the monitor's capabilities.
- **USB-C (optional):** Some versions may include USB-C ports, which can offer fast data transfer and power delivery, making it an excellent all-in-one connection option for laptops or devices.
- **USB Hub:** This monitor typically comes with additional USB ports, enabling users to connect peripherals like a mouse, keyboard, or external storage without needing to plug them directly into your PC.

Design and Ergonomics

- **Adjustable Stand:** The monitor's stand offers full ergonomic adjustments, including height, tilt, swivel, and pivot, which allows you to find the most comfortable viewing position. It also supports VESA mounting if you prefer a wall mount or a different stand configuration.
- **Slim Bezels:** The ultra-thin bezels give the monitor a modern and sleek look and also make it an excellent option for multi-monitor setups, providing minimal visual interruptions between screens.
- **Build Quality:** Dell monitors are known for their robust and sturdy build quality, and the G3223Q is no exception. The materials and design are durable, ensuring longevity.

Additional Features

- **Multitasking and Productivity:** The large 32-inch screen with a 4K resolution provides ample space to run multiple applications side by side. Whether you're working on spreadsheets, video editing, or coding, you'll benefit from the additional screen real estate and sharpness.
- **Comfort View and Flicker-Free:** Dell's Comfort View technology reduces blue light emissions to reduce eye strain during long gaming or work sessions. It also features a flicker-free display, which reduces eye fatigue, making it comfortable to use for extended periods.

Environmental and Power Efficiency

- **Energy Efficiency:** The monitor is designed with energy-saving features and is certified by standards like ENERGY STAR and TCO Certified, which ensures that it meets high environmental and energy efficiency standards.
-

Advanced Gaming Features

- **Variable Refresh Rate (VRR):** The Dell G3223Q supports NVIDIA G-Sync and AMD Free Sync Premium Pro. Both technologies work to eliminate screen tearing and stuttering by syncing the display's refresh rate with the GPU's frame rate. This is crucial for competitive gamers and those who want a smooth and tear-free gaming experience, particularly during fast-paced action sequences.
- **NVIDIA G-Sync (compatible with NVIDIA graphics cards) and AMD Free Sync Premium Pro (compatible with AMD graphics cards) both enhance gameplay by reducing input lag and visual artifacts,** providing a smoother, more immersive gaming experience.
- **Overdrive Technology:** The monitor features an overdrive setting, which can be adjusted to improve pixel transition speeds, reducing motion blur in fast-moving scenes. This makes the monitor particularly suited for high-speed games like first-person shooters (FPS), racing games, or action-packed RPGs.

Color and Display Technology

- **True 10-bit Color:** The G3223Q features true 10-bit color, which allows it to display over 1 billion colors, ensuring more accurate color gradients and transitions. This is particularly useful for photo and video editors, as well as anyone requiring color precision.
- **Color Calibration:** Dell factory-calibrates the monitor to ensure that it delivers accurate colors out of the box. This is important for creators who need a high level of color fidelity. With a delta E < 2 color accuracy, the monitor provides lifelike color reproduction.

Productivity Features

- **Picture-in-Picture (Pi P) and Picture-by-Picture (P b P):** These features allow you to run multiple sources on the same screen. For example, you can view content from a gaming console in a smaller window (Pi P) while working on a PC or use the full screen to display content from two sources side-by-side (P b P). These multitasking features enhance productivity and are ideal for professionals who need to manage multiple tasks simultaneously.

Connectivity and Input Options

- **With HDMI 2.1,** you'll be able to take full advantage of 4K gaming at 120Hz on these devices. It also ensures compatibility with a variety of modern gaming PCs and other HDMI 2.1-enabled devices.
- **DisplayPort 1.4:** For gaming PCs or devices that support DisplayPort, the DisplayPort 1.4 connection allows you to use the full potential of the monitor's 144Hz refresh rate at 4K resolution. It can also support higher frame rates and greater bandwidth for 4K content, ensuring smooth performance in demanding applications.
- **USB-C (optional):** Some configurations of the G3223Q offer USB-C ports that support power delivery (up to 90W) and data transfer. This is a convenient feature for users who want a single cable to handle both video and charging on compatible laptops or devices.
- **USB Hub:** The monitor features multiple USB ports for peripherals, such as a keyboard, mouse, or USB drive. These ports make it easy to connect accessories directly to the monitor instead of your PC, reducing cable clutter.

