



OMEN 27u 4K Gaming Monitors (3G6W0AA)

Overview

Incredible for Consoles. Incredible for PCs. BOOM!

Console or PC gaming? How about both. The console game has changed. More power. More graphics. More beauty. See your games at their best with the gorgeous color and immaculate speed of a 4K[1] performance gaming monitor that can now be played on the latest gen consoles via HDMI 2.1. Want to change to PC gaming? No problem. Customize every aspect of your game with OMEN Gaming Hub and elevate your whole experience, on console and PC.



All Systems Go.

Unlock your consoles' true potential with the new OMEN 27u 4K Gaming Monitor. HDMI 2.1 enables a new gaming experience with crisp 4K UHD resolution, 2x super speed at 120Hz[2], and variable refresh rate technology to match the frames. Compatible with the latest gen consoles like PS5, and Xbox Series.



It's Okay to Stare at Your Game

See your game as developers intended. Every hue and shade come to life with factory color-calibrated accuracy and HDR[6]. A 95% DCI-P3 color gamut ensures you get the true-to-life gaming experience. Ultra realistic never looked better.

144Hz

How Fast Can You Run a 4K?

Is your PC jealous? Just switch to your Display Port™ 1.4 connection. This fully loaded 27" 4K UHD gaming monitor has stunning visuals and is super fast. No lag. No blur. Just clean, crisp, and refreshing 144 Hz speed[3] brought on by the latest graphic card technology[4]. Oh and it packs AMD FreeSync Premium[5] Pro[4], so no frame gets left behind.

Light Up Your Enemies

Experience a new way of interacting with the gaming content on your screen. This thing lights up while you light 'em up. Customize those RGBs to react to your in-game action in OMEN Light Studio. Another fun way to customize and control your game endless ways on OMEN Gaming Hub.

Features

HDMI 2.1

Simply plug in your HDMI 2.1 and unlock 4K UHD, 120Hz refresh rate and adaptive sync on next gen consoles.

Ultra High Definition 4K

Experience cinematic quality with the incredible definition of 4K. Visuals this impressive are simply unforgettable.^[1]

AMD FreeSync™ Premium Pro Technology

AMD FreeSync™ Premium Pro technology means low latency, wide adaptive refresh rate ranges, low framerate compensation and brilliant pixel quality in gaming.^[7]

VESA Certified DisplayHDR 400

Brighten your screen with a VESA Certified HDR 400 panel. Stream HDR games and movies with enhanced contrast on your HDR display, creating a vivid, lifelike visual experience.^[8]

144Hz refresh rate

Get smooth gaming, sharper objects, and cleaner details with a gaming display that refreshes frames 144 times a second – over twice the refresh rate of standard displays.^[6]

1-millisecond response time with Overdrive

Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.^[6]

[1] 4K content required to view full 4K images.

[2] 2x speed compared to prior gen console PS4 and Xbox1 refresh rate of 60Hz. PS5 and Xbox Series X required for 120Hz.

[3] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. 144Hz refresh rate achieved when using PC DisplayPort™ 1.4.

[4] To enable 4K resolution at 144 Hz with DSC, an NVIDIA® GeForce® RTX 20 series, AMD Radeon™ RX 5700 or higher graphics card is required. For additional information about enabling DSC, contact your graphics card manufacturer.

[5] FreeSync™ Premium Pro is only available when it is connected on Display Port™ or HDMI with HDR capabilities and game support. FreeSync is an AMD® technology enabled on FHD, QHD and HDR displays and is designed to eliminate stuttering and/or tearing in games and videos by locking a display's refresh rate to the frame rate of the graphics card. HDR does not require HDR monitors; driver can be set in native mode when FreeSync Premium Pro supported content is detected. Otherwise, HDR content requires that the system be configured with a fully HDR-ready content chain. Mandatory low framerate compensation and at least 120Hz refresh rate, AMD Radeon Graphics and/or AMD A-Series APU-compliant monitors with DisplayPort™/HDMI Adaptive-Sync required. AMD 15.11 Crimson driver (or newer) required to support FreeSync over HDMI. Adaptive refresh rates vary by monitor. More information is available at www.amd.com/freesync.

[6] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[7] FreeSync Premium Pro does not require HDR capable monitors; driver can set monitor in native mode when FreeSync Premium Pro supported HDR content is detected. Otherwise, HDR content requires that the system be configured with a fully HDR-ready content chain, including: graphics card, graphics driver and application. Video content must be graded in HDR and viewed with an HDR-ready player. Windowed mode content requires operating system support. GD-162.

[8] DisplayHDR™ is the high-performance Monitor and Display Compliance Test Specification from VESA specifying HDR (High Dynamic Range) quality. See <http://displayhdr.org> for more details.

Specifications

| | |
|--|---|
| Display size (diagonal) | 27" |
| Panel technology | IPS |
| Display size (diagonal) | 68.6 cm (27") |
| Aspect ratio | 16:9 |
| Native resolution | 4K UHD (3840 x 2160) ^[1] |
| Resolutions supported | 640 x 480; 720 x 400; 800 x 600; 1024 x 768; 1280 x 720; 1280 x 800; 1280 x 1024; 1440 x 900; 1600 x 900; 1600 x 1200; 1680 x 1050; 1920 x 1080; 1920 x 1200; 2560 x 1440; 2560 x 1600; 3840 x 2160; 720 x 480 |
| Pixel pitch | 0.15 x 0.15 mm |
| Brightness | 450 nits ^[1] |
| Contrast ratio | 1000:1 |
| Response time (typical) | 1ms GtG (with overdrive) ^[1] |
| Minimum dimensions (W x D x H) | 60.99 x 6.69 x 35.35 cm (Without stand.) |
| Minimum dimensions (W x D x H) | 24.01 x 2.63 x 13.92 in (Without stand.) |
| Dimensions With Stand (W x D x H) | 60.99 x 26.05 x 51.38 cm |
| Weight | 7.82 kg |
| Weight | 17.24 lb |
| Display features | On-screen controls; Anti-glare; Height adjustable; VESA DisplayHDR 400 certified; AMD Freesync™ Premium Pro; Integrated speakers |
| Onscreen controls | Exit; Management; Power control; Input control; Menu control; Gaming; Image; Color; External Lighting |
| Display scan frequency (horizontal) | 30-135 KHz |
| Display scan frequency (vertical) | 48-144 Hz |
| Camera | No integrated camera |
| Power | 100 - 240 VAC 50/60 Hz |
| Power consumption | 135 W (maximum), 78 W (typical), 0.5 W (standby) |
| Operating temperature range | 5 to 35°C |
| Operating humidity range | 20 to 80% non-condensing |
| Sustainable impact specifications | Low Halogen; Outside box and corrugated cushions are 100% sustainably sourced and recyclable |
| Certifications and compliances | BIS; BSMI; CB; CCC; CE; CEL; CEL Grade 1; cTUVus; EAC; EUP Lot-5; EUP Lot-6; FCC; ICES; ISO 9241-307; KC/KCC; Korea MEPS (E-standby); NOM; PSB; TUV Bauart; VCCI; WEEE; ISC; Low blue light; South Africa MEPS; California Energy Commission (CEC); Mexico MEPS; UAE; Ukraine certificates; NRCS of South Africa; PSE EAC; Eyesafe® Certified; TÜV Flicker free certified |

| | |
|----------------------------|---|
| Physical security | Security lock-ready ^[2] |
| Management Software | OMEN Gaming Hub |
| UPC number | (A2N) 195908399261; (ABA) 195908399285; (ABB) 195908399292; (ABT) 195908399315; (ABU) 195908399322; (ABV) 195908399346; (ABY) 195908399360; (ACQ) 195908399377; (UUG) 195908399384; (UUZ) 195908399391 |
| What's in the box | DisplayPort™ cable; Documentation; Power adapter; 1 USB Type-C® to Type-A cable; AC power cord ^[3] |

Additional specifications

| | |
|---|-----------------------------------|
| Audio port | 1 x 3.5 mm Audio Jack (Audio Out) |
| Backlight type | Edge-lit |
| Bezel | 4-sided borderless |
| Certified collaboration software | No |
| Color gamut | 99% sRGB; 95% DCI-P3 |
| Curvature | Flat |
| Detachable stand | Yes |
| Display area (imperial) | 23.49 x 13.21 in |
| Display area (metric) | 59.67 x 33.56 cm |
| Display contrast ratio (dynamic) | 12000000:1 |
| DisplayPort™ | 1 DisplayPort™ 1.4 |
| Ethernet | No |
| Flicker-free | Yes (TÜV certified) |
| HDCP | Yes, DisplayPort™ and HDMI |
| HDMI | 1 HDMI 2.0; 1 HDMI 2.1 |
| Hardness | 3H |
| Height adjustment range | 130 mm |
| Horizontal viewing angle | 178° |
| Integrated privacy filter | No |
| Low blue light | Yes, Eyesafe® Certified |
| Microphone | No |
| Non-Operating Humidity Range | 5 to 95% |
| Operating temperature range | 41 to 95°F |
| Package dimensions (W x D x H) | 28.35 x 8.86 x 17.56 in |
| Package dimensions (W x D x H) | 72 x 22.5 x 44.6 cm |
| Package weight | 13.2 kg |
| Package weight | 29.1 lb |
| Panel bit depth | 8 bit |
| Picture-in-Picture, Picture-by-Picture | Yes, PBP only |
| Pixels per inch (ppi) | 163 ppi |
| Power supply type | External |
| Product brand name | HP |

| | |
|--|---|
| Product dimensions with stand (W x D x H) | 24.01 x 10.26 x 20.23 in |
| Resolution (maximum) | 4K UHD (3840 x 2160 @ 144 Hz) |
| Screen treatment | Anti-glare |
| Speaker output power | 2 x 2 W |
| Speakers | 2 |
| Tilt | -5 to +20° |
| Touch-enabled | Not touch-enabled |
| UNSPSC code | 43211902 |
| USB Type-A | 2 SuperSpeed USB Type-A 10Gbps signaling rate |
| VESA mounting | 100 mm x 100 mm |
| Vertical viewing angle | 178° |
| Windows Hello compatible | No |
| pivot | No pivot |
| swivel | No swivel |

[1] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[2] Lock sold separately.

[3] Included cables may vary by country.

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