

OMEN 27u 4K 144Hz HDR IPS Gaming Monitor



**Incredible for consoles.
Incredible for PCs. BOOM!**

Gorgeous color and immaculate speed of a 4K performance gaming monitor that can now be played on a PC or on the latest gen consoles via HDMI 2.1. Customize every aspect of your game with OMEN Gaming Hub.

Product overview

- **All systems go:** Unlock your consoles' true potential with the new OMEN by HP 27u 4K Gaming Monitor.⁽¹⁾ Plug in your HDMI 2.1 and experience amazing gaming with 2x the speed at 120Hz and variable refresh rate technology on the latest gen consoles.⁽²⁾
- **How fast can you run a 4K?** Enhance your PC gaming experience via a simple DisplayPort™ 1.4 connection. Stunning visuals and refreshing 144 Hz speed⁽³⁾ brought on by the latest graphic card technology.⁽⁴⁾ Oh, and it packs AMD FreeSync Premium Pro.⁽⁵⁾
- **It's okay to stare at your game:** See your game as developers intended with factory color-calibrated accuracy and HDR.⁽³⁾ A 95% DCI-P3 color gamut ensures you get the true-to-life gaming experience.
- **Light up your enemies:** A new way of interacting with your game. This thing lights up while you light 'em up. Customize those RGBs to react to your in-game action in OMEN Light Studio.

Key specifications

- **Viewable image area:** 27 inch diagonally measured
- **Panel type:** IPS
- **Aspect ratio:** 16:9
- **Resolution:** 4K UHD (3840 x 2160)⁽¹⁾
- **Connectivity:** DisplayPort™ 1.4, HDMI 2.1, HDMI 2.0, 1 USB Type-C® hub enablement (Data only), 2 USB-A 3.2 Gen 2 10Gbps, 3.5 mm Audio Jack (Audio Out)

Product features

- **Console compatibility:** Easily connects with your favorite current and next gen gaming consoles – just plug and play.
- **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:** There are no compromises. AMD FreeSync™ Premium Pro technology means low latency, wide adaptive refresh rate ranges, low framerate compensation and brilliant pixel quality in gaming.⁽⁵⁾
- **VESA Certified DisplayHDR 400:** Brighten your screen with enhanced contrast for a lifelike visual experience.⁽⁶⁾
- **144Hz refresh rate:** Eliminate screen tearing for cleaner details, sharper objects, and smooth gaming.⁽³⁾
- **1-millisecond response time:** How fast your pixels can react to changing frames is critical for fast-paced gaming, and a 1-millisecond response time ensures even the most action-packed moments are fluid, crisp, and free of motion blur.⁽³⁾

Additional product features

- **Integrated speakers:** No need to buy external speakers for great audio. With integrated speakers this display is ready to go once you're connected.
- **Eyesafe® Certified Display:** Eyesafe certified displays meet TÜV low blue light requirements and Eyesafe standards for protecting your eyes from harmful blue light without distorting colors. Integrated HP Eye Ease filter helps reduce eyestrain and improve eye comfort when gaming for long periods of time.
- **aRGB Lighting:** Always get your perfect color scheme. With an aRGB spectrum of 16.8 million colors to choose from and animations for days, you can personalize the lighting across your OMEN devices any way, any day.
- **OMEN Light Studio:** Personalize lighting options using a variety of effects like ambient, wave, interactive and more through one app.
- **OMEN Gaming Hub:** OMEN Gaming Hub is your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OGH elevates play in easy and simple way.⁽⁹⁾
- **Shadow vision:** Brightens scenes without overexposing, so you can see better in dark environments.
- **Edge precision:** Smooths and corrects sharp images for a more accurate and realistic appearance.
- **Game Remaster Mode:** Applies enhancement filters to lower resolution games so you can experience the classics like never before.
- **Moving Picture Response Time:** Greatly reduces motion blur for a more fluid visual experience.
- **Factory color calibration:** True color accuracy with a color-calibrated 4K display.
- **95% DCI-P3 color space:** Get deeper hues and more accurate colors with a wider color gamut than sRGB.⁽³⁾
- **Four-sided micro-edge display:** See more of your screen with a four-sided micro-edge display that maximizes your viewing area.
- **Height adjustment stand:** Easily adjust your display to the most comfortable position with 130mm range of travel.
- **Adjust your view:** Easy tilt adjustment 5 degrees forward and 20 degrees backward.
- **Sustainably sourced packaging:** HP is innovating new ways to reduce the amount of materials in our packaging and to use more recycled materials in the design.⁽⁷⁾
- **OSD Joystick:** Navigating through the on-screen menu is easier than ever before with a built-in joystick.
- **VESA mounting:** The display is equipped with standard VESA mounting for showcasing on a wall or swivel arm.⁽⁸⁾



Panel specifications

Display size	• 27 inch diagonally measured
Panel technology	• IPS oxide
Maximum refresh rate	• 144 Hz
Panel bit depth	• 8 bit
Aspect ratio	• 16:9
Brightness	• Typical: 450 nits
Resolution	• Native: 4K UHD (3840 x 2160) ⁽¹⁾
Contrast ratio	• Dynamic: 12M:1 ⁽¹⁰⁾ • Static: 1000:1
Low-blue light	• HP Eye Ease with Eyesafe® Certification
Flicker free	• Yes
Scan rate	• Horizontal: DP: 366 kHz HDMI 2.0/ 2.1: 30 kHz- 135 kHz • Vertical: DP/ HDMI 2.1: 48 Hz-144 Hz HDMI 2.0: 48 Hz- 60Hz
Pixel pitch	• 0.1554 x 0.1554
Backlight	• Lamp life: 30K hours • Type: Edge-lit
Screen treatment	• Anti-glare • 3H hardness • 25% Haze
Response time	• 1ms MPRT ⁽³⁾ • 1ms GtG average, Overdrive (OSD: Level 5 Response Time) ⁽³⁾
Viewing angle	• Horizontal: 178° • Vertical: 178°
Synchronization technology	• AMD FreeSync™ Premium Pro ⁽⁵⁾
HDR support	• VESA Certified DisplayHDR 400™ ⁽⁶⁾
Color	• 99% sRGB • 95% DCI-P3

Monitor specifications

Bezel	• 4-sided borderless
Exterior color	• Bezel: black • Stand: black
Connectivity/ports	• 1 x DisplayPort™ 1.4 • 1 x HDMI 2.1 • 1 x HDMI 2.0 • 1 x USB Type-C® hub enablement (Data only) • 2 x USB-A 3.2 Gen 2 10Gbps • 1 x 3.5 mm Audio Jack (Audio Out)
Power	• Power supply: External • Power source: 100~240 VAC 50/60 Hz
Speakers	• Built-in speakers
VESA mounting	• 100 mm x 100 mm (bracket not included) ⁽⁸⁾
Height adjustable stand range	• 130 mm

Learn more at hp.com

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Tilt range	• -5° to 20°
Pivot	• No
Swivel	• No
Security lock ready	• Standard security lock slot
Detachable stand	• Yes
Languages	• 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
On screen display	• User programmable modes: - Color modes: 10 - Preset modes: 25 • Gaming, External Lighting, Image, Color, Input, Power, Menu, Management, Exit
Software	• OMEN Gaming Hub ⁽⁹⁾

Accessories & warranty

What's in the box	• Power cord • Adapter • DisplayPort™ 1.4 cable • USB 3.2 Gen 2 AM-CM cable • Quick set up guide • Document kit
Warranty	• Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply. ⁽¹¹⁾

Approvals & certifications

Agency approvals	• Microsoft WHQL Certification • WW application • CE/CB/KC SDoc/KCC/NOM/ICES/TUV-Bauart/ISO 9241-307/ EAC/cTUVus/ISC/CCC/VCCI/FCC/BSMI/South Africa NRCS/ South Africa MEPS/Ukraine/Korea MEPS/Korea E-Standby/ Mexico MEPS/CEL/EU Lot 5/EU Lot 6 and Lot26/EPS compliance Lot7/WEEE /BIS/UAE/CEC/Low blue light/Flicker Free/Eye Safe/UKCA/FreeSync Premium Pro/Display HDR400/DP certification/HDMI certification
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Product/package specifications

Base area footprint	• 10.26 in x 10.26 in • 260.54 mm x 260.54 mm
Unpackaged dimensions	• 24.10 in x 10.26 in x 20.23 in • 60.99 cm x 26.05 cm x 51.38 cm
Unpackaged weight	• 17.24 lb • 7.82 kg
Packaged dimensions	• 28.35 in x 8.86 in x 17.56 in • 72.0 cm x 22.5 cm x 44.6 cm
Packaged weight	• 29.1 lb • 13.2 kg

Additional information

Product number	• 3G6W0AA#ABB
UPC Code	• 195908399292
Country of origin	• China

