

OMEN 27s FHD 240Hz Gaming Monitor



Speed run through fun

Outclass the competition with ultra-smooth frames and crisp details, this NVIDIA® G-SYNC® compatible display has what it takes to keep up with you. With a refined design unlike any other.

Product overview

- **Approaching maximum fun:** Frame by frame, experience buttery smooth action with no distraction. Boasting a lightning-fast 240Hz refresh rate and 1ms GtG response time with Overdrive,⁽¹⁾ this gaming monitor cuts motion blur, so you're acting not reacting. Leave screen tearing and lag in the dust, thanks to NVIDIA® G-SYNC® compatibility.
- **It's like you're really there:** Escape fully and dive into finely-detailed worlds with the crisp visuals of FHD resolution.⁽³⁾ Marvel at the wide array of dazzling colors and hues of the 99% sRGB and 95% DCI-P3 color gamut.⁽¹¹⁾ Even in shadows, easily make out details and shading with VESA DisplayHDR™ 400.⁽⁴⁾
- **Get plugged in:** Know you're equipped for your devices—gaming and otherwise—with two HDMI 2.0, one DisplayPort™ 1.4, and two USB-A 3.2 Gen1 ports.⁽⁵⁾ Make switching from PC to console a breeze when you directly connect your mouse & keyboard to the monitor thanks to the USB hub. Oh, did we mention the effortless cable management?
- **Refine your play space:** Made to impress in and out of game, the new OMEN look blends sophistication and fun to elevate what a gaming setup can look like. Through aRGB lighting, integrated dual speakers, and an adjustable stand, make your play space just how you like it.
- **All your fun, custom:** Play around with every possible setting in OMEN Gaming Hub⁽⁶⁾—a one-stop shop for customizing your ecosystem. Make your monitor and any PC work better together the way you want and set the vibe with OMEN Light Studio⁽⁷⁾ for select products from OMEN, HyperX, and more. From hardware to volume control, OGH elevates play in an easy and simple way.

Key specifications

- **Viewable image area:** 27 inch diagonally measured
- **Panel type:** IPS
- **Aspect ratio:** 16:9
- **Resolution:** FHD (1920 x 1080)⁽¹⁾⁽³⁾⁽⁸⁾
- **Connectivity:** DisplayPort™, HDMI, USB hub, Audio out jack

HP Sustainability

- **Materials that matter:** Feel like you're making a difference in and out of the game with a purchase you feel good about. This display's plastics contain 85% post-consumer recycled plastics to help reduce the raw materials we use.⁽¹⁰⁾ It's all part of our commitment to helping our shared world.
- **Thoughtful product packaging:** To reduce plastic in landfills, we use 100% recyclable packaging that meets recycling requirements, so it can stay out of the landfill when customers are finished with it.⁽¹⁵⁾
- **Mindful metals:** Don't stop when it comes to accomplishing your goal, and we don't stop when it comes to protecting our shared future. That's why this monitor was engineered to contain 10% recycled metals.⁽¹²⁾

Product features

- **FHD resolution:** 1920 x 1080 Full HD resolution on this 27 inch diagonal monitor.⁽³⁾
- **240Hz refresh rate:** When every moment counts, a lightning-fast 240Hz refresh rate⁽¹¹⁾ practically removes all artifacting and motion blurring for gameplay that's incredibly crisp and responsive.
- **1ms GtG response time with Overdrive:** Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen.⁽¹⁾
- **NVIDIA® G-SYNC® compatible:** NVIDIA® G-SYNC® technology delivers gameplay that's sharp, fluid, and stutter-free with minimal input lag.
- **VESA DisplayHDR™ 400:** See details even in shadow and replicate reality on your screen with enhanced contrast, deeper shadows, and brighter highlights.⁽⁴⁾
- **VESA Certified AdaptiveSync:** Guarantees higher refresh rates and low latency, optimized for gaming, plus a lab-certified max refresh rate so you know your display's full potential.⁽¹⁴⁾
- **More colors to play with:** Get deeper hues and more accurate colors with 99% sRGB and 95% DCI-P3 that precisely recreates colors so lifelike you will get lost in your gameplay.⁽¹⁾
- **aRGB Lighting:** With an aRGB spectrum of 16.8 million colors, you can choose animations and customize lighting across your OMEN devices to fit your room or mood.⁽⁷⁾
- **Plenty of ports:** Easily connect your devices with two HDMI 2.0 ports, one DisplayPort™ 1.4, USB hub, two USB-A 3.2 Gen1 ports, and 3.5mm headphone jack.⁽⁵⁾
- **IPS Technology:** Image accuracy and consistency across wide 178-degrees viewing angles, no matter where you stand.
- **New design unlocked:** The new OMEN look blends sophistication and fun to elevate your gaming setup.
- **VESA Certified ClearMR 6000:** Clear Motion Ratio (CMR), provides a clear numerical value based on the ratio of clear pixels to blurry pixels, which allows you to easily compare the amount of motion blur between VESA Certified ClearMR displays.⁽¹¹⁾
- **Integrated dual 3W speakers:** No headset? No problem. The integrated dual 3W speakers deliver crystal-clear audio.
- **OMEN Light Studio:** Customize your aRGB lighting with custom animations, color themes and integrate into your entire ecosystem.⁽⁷⁾
- **Console compatible:** This gaming monitor underwent over 140 test cases to ensure it's compatible with your choice of console. Just connect the HDMI and get right to playing.
- **Adjustable stand:** Make your desk just how you like it with the adjustable stand. Find comfort while you game with tilt, pivot, and 100mm height adjustments.
- **OMEN Gaming Hub:** From software enhancements to hardware control, and live services, OGH elevates play in an easy and simple way.⁽⁶⁾
- **HP Eye Ease with Eyesafe® Certification:** Keep your screentime comfortable with beautiful colors while reducing blue light.
- **Integrated Cable Management:** Cord and wire pass-through located on the display stand reduces cord-clutter and helps keep your workspace clean and organized.



Panel specifications

Display size	• 27 inch diagonally measured
Panel technology	• IPS
Maximum refresh rate	• 240 Hz
Panel bit depth	• True 8 bit
Aspect ratio	• 16:9
Brightness	• ≥ 400
Resolution	• Native: FHD (1920 x 1080) ⁽¹⁾⁽⁸⁾ • Maximum: FHD (1920 x 1080 @ 240Hz)
Contrast ratio	• Static: 1000:1 • Dynamic: 10M:1
Low-blue light	• HP Eye Ease (Eyesafe® Certified)
Flicker free	• Yes
Scan rate	• Horizontal: 30-391 kHz • Vertical: DP 60-240 Hz; HDMI 60-200 Hz
Pixel pitch	• 0.3108 x 0.3108 mm • 82 PPI
Backlight	• Lamp life: 30K hrs • Type: Edge-lit
Screen treatment	• Anti-glare • 3H hardness • 25% Haze
Response time	• 1ms GTG with overdrive ⁽¹⁾
Viewing angle	• Horizontal: 178° • Vertical: 178°
Synchronization technology	• NVIDIA® G-SYNC® technology • AMD FreeSync™ Premium technology ⁽²⁾
HDR support	• VESA DisplayHDR™ 400 ⁽⁴⁾
Color	• Color gamut: 99% sRGB; 95% DCI-P3 ⁽¹⁾ • Up to 16.7 million colors supported

Monitor specifications

Bezel	• 3-sided borderless
Exterior color	• Bezel: Black • Stand: Black
Connectivity/ports	• 1 DisplayPort™ 1.4 • 2 HDMI 2.0 • HDCP support: DisplayPort™ and HDMI • 2 SuperSpeed USB Type-A 5Gbps signaling rate • 1 USB-B • 1 x 3.5 mm Audio Jack (Audio Out)
Special features	• Switch: Up/ Down/Left/ Right button, Menu button, Power button • 19 user pre-sets • User updateable firmware
Power	• Power supply: Internal • Power source: 100~240 VAC 50/60 Hz
Speakers	• 2 x 3W integrated speakers

VESA mounting	• 100 mm x 100 mm (bracket is included)
Height adjustable stand range	• 100 mm
Tilt range	• -5° to +20°
Pivot	• ±90°
Detachable stand	• Yes
Languages	• 11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
On screen display	• User assignable function buttons: 4 with 9 options • Gaming, External Lighting, Image, Color, Input, Audio, Menu, Management, Information
Software	• OMEN Gaming Hub ⁽⁶⁾ • OMEN Light Studio ⁽⁷⁾

Accessories & warranty

What's in the box	• Power cord • DP 1.4 cable • USB 3.0 A-B cable • Warranty • Quick set up poster
Warranty	• Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply. ⁽⁹⁾

Approvals & certifications

Agency approvals	• Microsoft WHQL Certification: Windows 11 (x64 only), Windows 10 (x64 only) • WW application CE, CB, KC/ KCC/ NOM/ PSB/ ICE/ TUV-Bauart/ ISO 9241-307/ TUV flicker free/ TUV LBL/ BIS/ UAE safety/ UAE RoHS/ Ukraine safety/ South Africa safety/ EAC/ CSA/ ISC/ CCC/ CEL/ VCCI/ FCC/ BSMI/ WEEE/ CEC
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Product/package specifications

Base area footprint	• 8.46 in x 8.26 in
Unpackaged dimensions	• 24.16 in x 8.79 in x 20.62 in
Unpackaged weight	• 19.14 lb
Packaged dimensions	• 27.52 in x 6.30 in x 17.56 in
Packaged weight	• 25.99 lb

Additional information

Product number	• 780G5AA#ABA
UPC Code	• 197029615442
Ad embargo date	• 5/28/2023
Country of origin	• China
Pallet information	• Dimensions: 44.49 in x 27.91 in x 75.83 in • Total weight: 748.26 lb • Layers: 4 • Products per layer: 7 • Total products per pallet: 28

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