HyperX OMEN 23.8 inch FHD 144Hz Gaming Monitor - OMEN 24e

Where Gaming Begins

For gamers ready to move beyond standard displays, the HyperX OMEN 24e delivers smoother motion and a setup that adapts to you. The 144 Hz refresh rate and AMD FreeSync[2] keep gameplay fluid, responsive, and in sync, while the IPS panel maintains clear, consistent visuals from any angle. Dial in a cleaner, more comfortable setup with our new HyperX design featuring dynamic software control through OMEN Gaming Hub.[3] The result is a straightforward upgrade you'll see and feel.[1]



*Product image may differ from actual product

144Hz

Smooth Motion in Every Frame

Stay locked into every moment with smooth, fluid motion and clear FHD visuals that keep action sharp[4]. With 144Hz and AMD FreeSync[2] working behind the scenes, gameplay stays fast, consistent, and responsive so every move feels immediate and every frame stays in sync.[1]

Built for Everyday, Ready for Play

Stay on point, whether it's gaming, work, or school, with an IPS panel for bright visuals from any angle. The 1500:1 contrast ratio, 99% sRGB, HP Eye Ease with Eyesafe® Certification deliver sharp detail, natural color, and more comfortable viewing so you can stay focused and ready to play.[1]

OMEN GAMING HUB

Your Setup, Your Way

The HyperX OMEN 24e gaming monitor's design drops clean into any setup. Dial in your sweet spot with height and tilt adjustments and easily manage system settings with the joystick OSD button. Then create custom profiles to match your game through OMEN Gaming Hub.[3]

Sustainability in action

Materials that Matter

This gaming monitor is designed with measurable sustainability features, including at least 90% post-consumer recycled plastic in the monitor enclosure [6], at least 10% recycled metal and at least 10% recycled steel [3], 90% recycled aluminum [4], and 20% recycled glass in the monitor stand [5]. Packaging is made with paper from certified or recycled sources[2].

AMD FreeSync | eyesafe CERTIFIED 2.0 | OMEN GAMING HUB

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Featuring

FHD 23.8 inch Display
A 23.8" Full HD display delivers sharp detail and clear visuals in a size that fits comfortably into most setups without overwhelming your desk.[4]

IPS Panel
IPS keeps visuals clear and colors consistent across the screen, so everything looks right from any angle.

144 Hz Refresh Rate
144 Hz keeps gameplay fast and fluid, so every movement feels smoother, clearer, and more in sync with your actions.[1]

1ms MPRT with Overdrive
1ms MPRT with overdrive reduces motion blur to keep fast action sharp and clear, helping you stay focused during quick movements and high-speed gameplay.[1]

1500:1 Contrast Ratio
Enhanced contrast brings out deeper shadows and brighter highlights, so details stand out across every scene.

AMD FreeSync™ Technology
AMD FreeSync keeps frames in sync to eliminate tearing and reduce stutter, so gameplay stays smooth when it matters most.[2]

99% sRGB
99% sRGB brings accurate, natural color to games, videos, and everything in between.[1]

New Design Unlocked
Made to impress in and out of game, the new HyperX look blends sophistication and fun to elevate what a gaming setup can look like.

Essential Connectivity
Essential ports keep your setup connected and ready, so you can plug in and get straight to it.[10]

Ergonomic Control
Height and tilt adjustments make it easy to find your ideal viewing position for better comfort during long sessions.

Simple Setting Adjustment
A joystick-style control makes navigating settings quick and intuitive, so you can make changes without slowing down.

Integrated Cable Management
Keep cables out of the way with built-in management for a cleaner, more focused setup.

HP Eye Ease with Eyesafe® Certification
Eyesafe reduces blue light at the source, helping keep your eyes more comfortable through longer sessions.

OMEN Gaming Hub
OMEN Gaming Hub lets you dial in your settings your way, so your setup works the way you want it to.[3]

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Specifications

Display specifications

Display size	60.5 cm (23.8")[1]
Viewable diagonal size	23.8" (60.47 cm)
Aspect ratio	16:9[1]
Curvature	Flat
Native resolution	FHD (1920 x 1080)[1,2]
Resolutions supported	640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz; 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 800 x 600 @ 75 Hz; 1024 x 768 @ 60 Hz; 1024 x 768 @ 75 Hz; 1280 x 720 @ 60 Hz; 1280 x 800 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1280 x 1024 @ 75 Hz; 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1920 x 1080 @ 120 Hz; 1920 x 1080 @ 144 Hz
Panel type	IPS; LED[1]
Bezel	3-sided borderless
Panel active area	52.70 x 29.65 cm
Panel bit depth	8 bit (6 bit + FRC)[1]
Display colors	Up to 16.7 million colors supported[1,8]
Display color gamut	99% sRGB[1]
Refresh rate (maximum)	144 Hz
Display scan frequency	48-144 Hz (Vertical)[1]; 30-164 kHz (Horizontal)[1]
Response time	1ms MPRT (with overdrive)[1]
Brightness	300 nits[1]
Contrast ratio	1500:1 (Static)[1] 8,000,000:1 (Dynamic)[1]
Pixel pitch	0.2745 x 0.2745 mm[1]
Pixels per inch (ppi)	93 ppi
Viewing angle	178° (Vertical) 178° (Horizontal)
Backlight type	Edge-lit
Backlight lamp life	30,000 hours
Display User Control Options	Color; Image; Input; Power; Menu; Management; Information; Exit; Gaming
Management software	OMEN Gaming Hub
User updateable firmware	No
Low blue light modes	HP Eye Ease (Eyesafe® and TÜV certified)[1]
Flicker-free	Yes (TÜV certified)
Screen treatment	Anti-glare
Hardness	3H[1]
Haze	25%
Adjustability	Height adjustment range: 100 mm Tilt: -5 to +23°
Camera	No integrated camera
Languages	11 (English, Spanish, German, French, Italian, Dutch-Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
Special features	AMD FreeSync™

Connectivity and communications

Port and connectors	1 HDMI 2.0 1 DisplayPort™ 1.4 1 x 3.5 mm Audio Jack (Audio Out)
HDCP	Yes, DisplayPort™ and HDMI
Power supply	100 - 240 VAC 50/60 Hz (Internal)
Power consumption	28 W (maximum); 14 W (typical)[5]

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Specifications

Appearance

Stand color	Black; Metal gray
Detachable stand	Yes
Base area footprint	45.45 x 22.32 cm
Dimensions without Stand (W x D x H)	53.99 x 32.07 x 0.75 cm (without stand)
Dimensions with stand (W x D x H)	53.99 x 47.68 x 22.31 cm
Weight	2.9 kg (without stand); 3.81 kg (with stand)
Packaged Dimensions (W x D x H)	59.5 x 12.2 x 40 cm
Packaged weight	5.6 kg

Certification and compliance

Energy efficiency class (SDR)	E 
On mode power demand in Standard Dynamic Range (SDR)	13.6 W[9]
Standby mode power demand	0.5 W[9]
Energy efficiency	ENERGY STAR® certified
TCO certified	TCO Certified, generation 10[10]
EPEAT registered	EPEAT registered[7]
Ecolabels	CECP; CEL Grade 2; CEL; Ukraine EE; Korea MEPS; California CEC
Sustainable impact specifications	At least 80% post-consumer recycled plastic; At least 15% recycled metal including 90% recycled aluminum and 10% recycled steel in the stand; Contains 20% recycled glass in the monitor panel; Molded paper pulp cushion inside box is made of 100% recycled or certified sources; Outside box and corrugated cushions are made of 100% recycled or certified sources[11,12,13]
Certifications	Australia MEPS; BIS; BSMI; CB; CCC; CE; CECP; CEL; cTUVus; EAC; FCC; ISO 9241-307; KC; KCC; NOM; PSB; TUV Bauart; TUV-S; VCCI; Vietnam MEPS; WEEE; Eyesafe® Certified; TÜV Flicker free certified; TÜV Low Blue Light Hardware Solution certified; UAE safety; UAE RoHS; South Africa safety; Ukraine safety
Microsoft WHQL certification	Windows 11; Windows 10[6]
Environmental	Operating temperature range: 5 to 35°C Non-operating temperature range -40 to 65°C Operating humidity: 20 to 80% RH (non-condensing) Non-operating humidity: 5 - 95% Operating altitude: Up to 5,000 m Non-operating altitude: Up to 12,192 m

Additional information

Part Number	P/N: D5KB2E9#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ; UPC code: 199896912198
Manufacturer Warranty	HP standard one-year limited warranty [4]
Zero bright dot warranty	Yes
Support service included	HP 2 Year Pickup and Return Service for Consumer Monitors. For terms and conditions, please visit https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA3-8281EEE & https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEGB.pdf
What's in the box	Monitor; Warranty card; Quick Setup Poster; Stand base; HDMI cable (1.8 m); AC power cable (1.83 m)[3]
Country of origin	Made in China & Vietnam

Logistic information

Pallet Dimensions (L x W x H)	Slip sheet: 120 x 100 x 200.5 cm (20 ft, 40 ft), 120 x 100 x 240.5 cm (40 HQ) Pallet: 120 x 100 x 213.3 cm (20 ft, 40 ft, 40 HQ)
Pallet weight	Slip sheet: 453 kg (20 ft, 40 ft), 543.6 kg (40 HQ) Pallet: 465.6 kg (20 ft, 40 ft, 40 HQ)
Pallet (layers)	Slip sheet: 5 layers, 6 layers; Pallet: 5 layers
Products per layer	Slip sheet: 16 sets; Pallet: 16 sets
Products per pallet	Slip sheet: 80 sets, 96 sets; Pallet: 80 sets

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Product walkaround



1. Power LED



2. Joystick OSD
3. Power button
4. 3.5 mm headphone jack
5. DisplayPort™ 1.4
6. HDMI 2.0 port
7. Power connector

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Footnotes

Messaging Footnotes

[1] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
[2] FreeSync™ is an AMD® technology that requires mandatory low framerate compensation and at least 144Hz refresh rate with <3440 horizontal resolution, AMD Radeon Graphics and/or AMD A-Series APU-compliant monitors with DisplayPort/HDMI Adaptive-Sync required. More information is available at www.amd.com/freesync.
[3] Account required for full functionality. See OMEN Gaming Hub terms and conditions. Support level for non-HP products may be subject to change. Some animation effects may consume more CPU resources.
[4] Full high-definition (FHD) content required to view FHD images.
[5] 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.
[6] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT standard for computers, IEEE 1680.1-2018 standard.
[7] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
[8] Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.
[9] Recycling facilities not available in all locations.

Technical Specifications Footnotes

[1] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
[2] DisplayPort™ 1.4 or HDMI 2.0 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 1920 x 1080 at 60 Hz and include 1 HDMI or 1 DisplayPort™ outputs to drive the monitor at the Preferred Mode.™
[3] Included cables may vary by country.
[4] Please refer to the warranty card supplied with the product for details. Warranty may vary by country as required by law. Go to hp.com/support to learn about HP award winning service and support options in your region.
[5] Maximum brightness and contrast setting with maximum power loading on USB downstream ports (for power consumption maximum); Factory default brightness and contrast setting with 25% power loading on USB downstream ports (for power consumption typical).
[6] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
[7] EPEAT registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. Based on US registration according to EPEAT criteria and EPEAT Climate+. Status and tier level varies by country. Visit www.epeat.net for more information.
[8] Number of colors through A-FRC technology.
[9] As defined in EU 2019/2021 and EU 2019/2013.
[10] TCO Certified is a ISO 14024 Type 1 sustainability label for IT products. Compliance with all criteria is independently verified.
[11] Recycled metal is expressed as a percentage of the total weight metal as per defined in the EPEAT criteria.
[12] Packaging parts contain certified or recycled fibers and are typically recycled in your local paper/carton recycling bin, consult your local guidelines.
[13] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT criteria.

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