



OMEN 24.5inch FHD 360Hz Gaming Monitor - OMEN 25 (BG1M4AA)



Overview

Play at the Speed of the Pros

Play at the speed of pros with the OMEN 25 Esports Monitor: a blazing-fast 360 Hz display with factory-color calibration for crisp visuals in every frame. OMEN 25 is the Official Monitor of League of Legends Esports and VALORANT Champions Tour.[1]

Test Your Skills, Not Your Eyes

When milliseconds matter you need every frame to count. Respond to every instant with a blazingly fast 360 Hz refresh rate and 1ms response time. The OMEN 25 produces crisp, clear detail, and is NVIDIA G-Sync compatible, reducing screen tearing and frame stuttering for a smooth gaming experience.[1]

Customize Your Gaming Space

OMEN 25 can swivel, tilt, and elevate to fit right in with your gaming setup. Find the perfect viewing angle and position to lock-in your focus for every game. Hang up your headset between matches with the attachable headset hook and set the vibe with customizable RGB lights.



More Colors, More Detail

The OMEN 25 is factory color calibrated for enhanced visual immersion, ensuring your games look as good as the developers intended. With a VESA DisplayHDR 400 certified monitor you can experience every dark shade and bright tone in vivid detail.[2]



We're in this Together

It matters. With 100% recyclable packaging solutions,[3] 80% post-consumer recycled plastic in monitor's enclosure, including ocean bound plastic,[4] at least 10% recycled metal, including 10% recycled steel and 90% recycled aluminum in the stand,[5] and 20% recycled glass in monitor's panel,[6] we are in this together.[7]

Features

FHD 24.5" Display

Keep everything in view on the FHD 24.5" monitor. With the OMEN 25, you'll always have your eyes on the action.^[8]

IPS Panel

No matter where you stand, IPS panel delivers clear, vivid images with 178-degree wide-viewing angles, so everyone can get a great view.

360 Hz Refresh Rate

Don't compromise performance for stunning visuals. Get smooth gaming, sharper objects, and cleaner details with a blazingly fast 360 Hz refresh rate monitor.^[1]

1ms GTG Response Time with Overdrive

Overdrive minimizes motion blur for crisp, fluid gameplay no matter what's happening on-screen.^[1]

VESA Certified DisplayHDR 400

See details even in shadow and replicate reality on your screen with VESA DisplayHDR™ 400 for enhanced contrast, deeper shadows, and brighter highlights.^[2]

Factory Color Calibration

Get deeper hues and more accurate colors with factory color calibration that precisely recreates colors so lifelike you will get lost in your gameplay.^[1]

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

[2] 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.

[3] 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.

[4] 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.

[5] 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.

[6] 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.

[7] Recycling facilities not available in all locations.

[8] Full high-definition (FHD) content is required to view FHD images.

Specifications

Color	Black
Display size (diagonal)	24.5"
Panel technology	IPS; LED
Display size (diagonal)	62.2 cm (24.5")
Aspect ratio	16:9 ^[1]
Native resolution	FHD (1920 x 1080) ^[1,2]
Resolutions supported	640 x 480 @ 60 Hz; 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 1024 x 768 @ 60 Hz; 1280 x 720 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 50 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1920 x 1080 @ 120 Hz; 720 x 480 @ 60 Hz; 720 x 576 @ 50 Hz; 1280 x 720 @ 50 Hz; 1280 x 720 @ 100 Hz; 1280 x 800 @ 60 Hz; 1920 x 1080 @ 75 Hz; 1920 x 1080 @ 165 Hz; 1920 x 1080 @ 240 Hz (DisplayPort only); 1920 x 1080 @ 144 Hz; 3840 x 2160 @ 60 Hz (HDMI console only); 1920 x 1080 @ 200 Hz; 1920 x 1080 @ 235 Hz (HDMI only); 1920 x 1080 @ 360 Hz (Displayport DSC On Only)
Pixel pitch	0.2829 x 0.2802 mm ^[1]
Brightness	400 nits ^[1]
Contrast ratio	1000:1 ^[1]
Response time (typical)	1ms GtG (with overdrive) ^[1]
Dimensions (W x D x H)	55.84 x 51.5 x 32.89 cm (without stand)
Dimensions (W x D x H)	21.98 x 20.28 x 12.95 in (without stand)
Dimensions With Stand (W x D x H)	55.84 x 20.52 x 46.93 cm
Weight	6.7 kg (with stand); 4.63 kg (without stand)
Weight	14.78 lb (with stand); 10.21 lb (without stand)
Display features	Height Adjust/Tilt/Swivel/Pivot ^[1]
Onscreen controls	Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit; Contrast; Gaming; Message control; Language; External lighting
Display colors	Up to 16.7 million colors supported ^[1]
Display scan frequency (horizontal)	30-466.1 kHz ^[1]
Display scan frequency (vertical)	50-360 Hz ^[1]
Camera	No integrated camera
Power	100 - 240 VAC 50/60 Hz
Power consumption	106 W (maximum); 26 W (typical)
Operating temperature range	5 to 35°C
Operating humidity range	20 to 80% RH (non-condensing)
Sustainable impact specifications	Low halogen; 80% post-consumer recycled plastic; Contains ocean-bound plastic; Contains 20% recycled glass in the monitor panel; Outside box and corrugated cushions are 100% sustainably sourced or recyclable; At least 10% recycled metal including 90% recycled aluminum and 10% recycled steel in the stand
Certifications and compliances	Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; cTUVus; EAC; FCC; ICES; ISO 9241-307; KC; KCC; NOM; PSB; TUV-S; VCCI; Vietnam MEPS; WEEE; ISC; WW application; ICE; UAE; Ukraine certificates; NRCS; UAE RoHS
Management Software	OMEN Gaming Hub
UPC number	199251067051
Manufacturer Warranty	HP standard one-year limited warranty ^[11]
What's in the box	Monitor; DisplayPort™ cable; HDMI cable; Warranty card; USB Type-B to A cable; AC power cable; Quick Setup Poster; Cable holder; Color calibration report; Headphone hook; VESA cover ^[3]

Additional specifications

Audio port	1 x 3.5 mm Audio Jack (Audio Out)
Backlight lamp life minimum (to half brightness)	30,000 hours
Backlight type	Edge-lit
Base area footprint (imperial)	9.83 x 7.71 in
Base area footprint (metric)	24.98 x 19.58 cm
Bezel	3-sided micro-edge
Color calibration features	Factory color calibration
Color gamut	93% Display P3; 99.5% sRGB ^[1]
Curvature	Flat
Datasheet photo 1	https://hp.widen.net/content/jnxxmw2r9h/png/Fox_24_Flat_JetBlack_Catalog_TransparentBG_Front_4501958.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Datasheet photo 2	https://hp.widen.net/content/nwcuatbe4t/png/Fox_24_Flat_JetBlack_Catalog_TransparentBG_FrontRight_4499339.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Datasheet photo 3	https://hp.widen.net/content/lcmak2cznz/png/Fox_24_Flat_JetBlack_Catalog_TransparentBG_Rear_4499340.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Datasheet photo 4	https://hp.widen.net/content/mc9wmlzzk4/png/Fox_24_Flat_JetBlack_Catalog_TransparentBG_LeftProfile_4499095.png?w=800&h=800&position=c&color=ffffff00&quality=80&u=dlkxlp
Detachable stand	Yes
Display area (imperial)	21.38 x 11.91 in
Display area (metric)	54.31 x 30.26 cm
Display contrast ratio (dynamic)	5,000,000:1
DisplayPort™	1 DisplayPort™ 1.4
Ecolabels	CEL Grade 2; Ukraine EE; Korea MEPS; California CEC
Energy efficiency class	E
Energy efficiency class logo	https://h10003.www1.hp.com/digmedialib/proding/lowres/c07055646.png
Flicker-free	Yes (TÜV certified)
HDCP	Yes, DisplayPort™ and HDMI
HDMI	2 HDMI 2.0
HDR	VESA DisplayHDR™ 400
Hardness	3H ^[1]
Haze	25%
Height adjustment range	100 mm
Horizontal viewing angle	178°
Low blue light	Eyesafe® and TÜV certified ^[1]

Non-Operating Humidity Range	5 - 95%
Non-operating temperature - Celsius	-40 to 65°C
Non-operating temperature - fahrenheit	-40 to 149°F
On mode power demand in High Dynamic Range (HDR) mode	27 W
On mode power demand in Standard Dynamic Range (SDR)	18 W
Operating altitude	Up to 16,400 ft
Operating altitude	Up to 5,000 m
Operating temperature range	41 to 95°F
Package dimensions (W x D x H)	24.65 x 4.96 x 15.79 in
Package dimensions (W x D x H)	62.6 x 12.6 x 40.1 cm
Package weight	21.27 lb
Package weight	9.65 kg
Pallet weight	Slip sheet: 957.34 lb (20 ft, 40 ft); 1148.81 lb (40 HQ); Pallet: 986 lb (20 ft, 40 ft, 40 HQ)
Pallet weight	Slip sheet: 434.25 kg (20 ft, 40 ft); 521.1 kg (40 HQ); Pallet: 447.25 kg (20 ft, 40 ft, 40 HQ)
Panel bit depth	True 8 bit ^[1]
Pixels per inch (ppi)	90 ppi ^[1]
Power supply type	Internal
Product brand name	HP
Product caption image	https://prismgui-int.inc.hpincorp.net/PRO.Crystal.1/DAMHandler\Accessories/Annotated Ports OMEN 25 FRONT.png
Product caption image	https://prismgui-int.inc.hpincorp.net/PRO.Crystal.1/DAMHandler\Accessories/Annotated Port OMEN 25 REAR.png
Product color	Black
Product dimensions with stand (W x D x H)	21.98 x 8.08 x 18.48 in
Refresh rate (maximum)	360 Hz
Screen treatment	Anti-glare
Special features	4K Downscaling for Console HDR Support; AMD FreeSync™ Premium; Gaming Console Compatible; NVIDIA G-SYNC™; VESA Certified AdaptiveSync; VESA ClearMR 6000 certified; Windows Dynamic Lighting

Stand color	Black
Stand type	With stand; Height adjustable stand
Standby mode power demand	0.5 W
Storage altitude	Up to 12,192 m
Storage altitude	Up to 40,000 ft
Swivel	±45°
Technology logo 1	https://prismui-int.inc.hpinc.net/PRO.Crystal.1/DAMHandler/Accessories/Nvidia__G-SYNC-removebg-preview.png
Technology logo 2	https://h10003.www1.hp.com/digmedialib/proding/lowres/c08056676.jpg
Technology logo 3	https://h10003.www1.hp.com/digmedialib/proding/lowres/c08610272.png
Technology logo 4	https://h10003.www1.hp.com/digmedialib/proding/lowres/c08610275.png
Technology logo 5	https://prismui-int.inc.hpinc.net/PRO.Crystal.1/DAMHandler/Accessories/OmenHyperX_Lockups_RiotGames_OmenHyperX_Lockups_RiotGames_Horz_Black.png
Technology logo 6	https://prismui-int.inc.hpinc.net/PRO.Crystal.1/DAMHandler/Accessories/OMEN%20Gaming%20Hub-Logo-FullColor-Black.png
Tilt	-5 to +20°
UNSPSC code	43211902
USB Type-A	2 USB Type-A 5Gbps signaling rate
Usb b (hub enablement)	1 USB-B
VESA mounting	100 x 100 mm
Vertical viewing angle	178°
Video connectors	HDMI; DisplayPort™-in
Viewable diagonal size	24.48" (62.17 cm)
pivot	±90°

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

[2] HDMI 2.0 and Displayport™ 1.4 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 with true 8-bit color using one HDMI or Displayport™.

[3] Included cables may vary by country.

[11] Warranty may vary by country. See www.HP.com/go/support for details.

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