

HP X24ih FHD Gaming Monitor



Lifelike quality. Lightning speed.

Experience action-packed gaming in real-life quality with the 23.8-inch diagonal monitor that's built to deliver the most colorful picture.

Product overview

- **Escape in immersive color:** Enjoy better views and sharper moves with an IPS panel that provides ultra-wide viewing angles and a more colorful picture. Now, you can stay immersed in content with the most realistic gaming experience.
- **Lightning speed for laser sharp accuracy:** Be ready to react to anything that comes your way with a 1ms response time and 144Hz refresh rate.⁽²⁾ Even in the most action-packed moments, always be one step ahead of your opponents.
- **Faster moves. Fluid gaming.** Perfectly smooth gameplay and peak performance with AMD FreeSync™ Premium. Game confidently with a high refresh rate, low framerate compensation and low latency.⁽⁴⁾

Key specifications

- **Viewable image area:** 23.8-inch diagonal
- **Aspect ratio:** 16:9
- **Contrast ratio:** Dynamic 12M:1⁽³⁾
- **Resolution:** 1920 x 1080 (FHD)⁽¹⁾
- **Connectivity:**
 - 1 x DisplayPort™ 1.2
 - 1 x HDMI 2.0
- **Exterior color:** Black

Product features

- **Step up to the best:** No matter where you stand, an HP IPS monitor delivers clear, vivid images. IPS technology ensures image accuracy and consistency across the ultra-wide viewing spectrum.
- **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.⁽²⁾⁽⁵⁾
- **1-millisecond response time with Overdrive:** How fast your pixels can react to changing frames is critical for fast-paced gaming, and a 1ms response time ensures even the most action-packed moments are fluid, crisp, and free of motion blur.⁽²⁾

Additional product features

- **Height adjustment stand:** Gas piston design allows 110mm of smooth, precise height adjustment so your display is always in the most comfortable position, no matter who is viewing it.
- **AMD FreeSync™ Premium technology:** See and feel the difference of fluid, responsive gameplay. By synchronizing the refresh rate with your GPU, AMD FreeSync™ makes display stutter, input lag, and screen tears ancient history.⁽⁴⁾
- **FHD / 1080p display:** Be prepared for brilliant visuals and crisp images with the unforgettable quality of this stunning FHD display.⁽¹⁾
- **Share the panoramic view:** Vibrant detail from practically any position with consistent color and image clarity maintained across ultra-wide 178-degree horizontal and vertical viewing angles.
- **OMEN Command Center:** Puts you in control, allowing you to optimize and customize your display.
- **Highly accurate color:** With more than 99% sRGB⁽²⁾ color space, this HP display provides ideal color reproduction with minimal effort. Perfect for photos, videos—all your creative projects.
- **Three-sided micro-edge bezel:** See more of your screen with a three-sided micro-edge display that maximizes your viewing area.
- **HDMI / DisplayPort™:** With HDMI 2.0 and DisplayPort™ 1.2 you get all the ports you need.

Environmentally conscious

- Energy efficient design and components help reduce power consumption and energy costs.

Warranty and support

- Rest easy and work confidently with an HP standard 3-year limited warranty.⁽⁸⁾

Monitor specifications

Panel type	• IPS
Viewable image area	• 23.8-inch display, diagonally measured
Viewing angle	• Horizontal: 178° • Vertical: 178°
Surface treatment	• Anti-glare panel
Bezel	• 3-sided micro-edge
Recommended resolution	• Full HD (1920 x 1080)
Maximum resolution	• 1920 x 1080 @ 144 Hz(7)
Panel bit depth	• 8-bit (display 16.7M colors)
Aspect ratio	• 16:9
Contrast ratio	• Static: 1000:1 • Dynamic 12M:1 ⁽³⁾
Brightness	• 350 nits
Color gamut	• 99% sRGB
Color space	• RGB 4:4:4 • YCBCR 4:4:4 • YCBCR 4:2:2
Factory Color Presets	• Native
Low blue light mode	• Yes
Pixel pitch	• 0.2745 (H) mm x 0.2745(V) mm • 93 PPI • Max pixel clock: 350MHz
Panel active area	• 20.75 in x 11.67 in • 527.04 mm x 296.46 mm
Maximum refresh rate	• 144Hz ⁽²⁾
Scan range	• Vertical: 48Hz - 144Hz • Horizontal: 30KHz - 167 KHz
Response time	• 1ms with OverDrive ⁽²⁾
Connectivity/ports	• 1 x HDMI 2.0 • 1 x DisplayPort™ 1.2 • 1 x Audio output
Power supply	• Internal
Maximum power consumption	• 46W
Energy saving/standby mode	• 0.5W
Tilt	• -6 to +23 degrees
Pivot	• 90 degrees
Swivel	• 360 degrees
Height adjustable base	• 110 mm
Base area footprint	• 9.06 in x 8.6 in • 230 mm x 218 mm
Detachable base	• Yes
VESA mounting	• 100 mm x 100 mm (bracket not included)

Learn more at [hp.com](#)

⁽¹⁾ Full HD (FHD) content is required to view FHD images. ⁽²⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

⁽³⁾ During video playback only, depending on series of frames or time duration. ⁽⁴⁾ FreeSync™ Premium is only available when it is connected on Display Port or HDMI. FreeSync is an AMD technology enabled on FHD or QHD 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. 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](#). ⁽⁵⁾ Arsenic and its compounds were not detected using U.S. EPA test methods 3052/6010b by ICP-AES with a Method Detection Limit of 1.0 ppm. ⁽⁶⁾ DisplayPort 1.2 or HDMI 2.0 required to drive panel at its native resolution. ⁽⁷⁾ Warranty may vary by country. See [www.hp.com/go/support](#) for details. © Copyright 2020 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Actual product may vary from image shown. 07/21/2020_r1 gv

Security lock ready	• Yes
Unpackaged dimensions	• Highest: 21.29 in x 8.58 in x 19.29 in 54.08 cm x 21.8 cm x 48.99 cm • Lowest: 21.29 in x 8.58 in x 14.96 in 54.08 cm x 21.8 cm x 37.99 cm
Unpackaged weight	• 13.33 lb • 6.05 kg
Packaged dimensions	• 23.26 in (W) x 7.79 (D) in x 16.42 in (H) • 59.2 cm (W) x 19.8 (D) cm x 41.7 cm (H)
Packaged weight	• 17.2 lb • 7.8 kg
Audio	• Headphone out
Software	• OMEN Command Center
On screen display	• Monitor control buttons: Gaming, Color, Image, Input, Power, Menu, Management, Information, Exit • User assignable function buttons: 3
Languages	• 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Certifications	• Microsoft WHQL Certification: Windows 10 • WW application • CE, CB, KC/KCC/NOM/PSB/ICE/TUV-Bauart/ISO 9241-307/Eup Lot 6/NOM-NYCE/low blue light/Ukraine energy label/South Africa MEPS /EAC/UL/CSA/PSB/ISC/CCC/CEL/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE/UAE/CEC/E-standby/Eup lot 5/

Environmental features

LED backlights	• Mercury-free LED backlighting
Backlight lamp life	• 30K hours
Arsenic-free	• Arsenic-free display glass ⁽⁶⁾
Certifications	• CEL Grade 2

Accessories & warranty

What's in the box	• A/C power cord (1.83m) • HDMI cable (1.8m) • Quick set up poster • Product notice • Warranty card
Limited warranty	• HP standard 3-year limited warranty. ⁽⁸⁾

Additional information

Product number	• 13L82AA#AB2
UPC Code	• 194850892875
Country of origin	• China
Tariff number	• 8528520000

