

# HP X24c Gaming Monitor



## Get wrapped up in gaming

Escape reality with the 1500R curved monitor in Full HD resolution and react faster with the 144Hz refresh rate. Plus, adjust the monitor so you can play for as long as you want without any back or neck strain.

## Product overview

- **Action with a curve:** Escape to new worlds—the 1500R curvature pulls the corners of the display closer to you, delivering an immersive Full HD experience.<sup>(1)</sup>
- **Fast strikes. Smooth moves.** Every gamer deserves perfectly smooth gameplay and peak performance. Game confidently with a high refresh rate, low framerate compensation, and low latency. AMD FreeSync™ Premium certified monitors are here.<sup>(4)(9)</sup>
- **A new level of comfort:** Play comfortably by adjusting the monitor to the perfect position for you. And, game for as long as you want without any back or neck strain.

## Key specifications

- **Viewable image area:** 23.6-inch diagonal
- **Aspect ratio:** 16:9
- **Contrast ratio:** Dynamic 12M:1<sup>(3)</sup>
- **Resolution:** 1920 x 1080 (FHD)<sup>(1)</sup>
- **Connectivity:**
  - 1 x DisplayPort™ 1.2
  - 1 x HDMI 2.0
- **Exterior color:** Black

## Product features

- **1500R curved display:** By bringing the sides of the display even closer, the curved screen provides an incredibly realistic viewing experience and more expansive field of view.
- **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.<sup>(2)(5)</sup>
- **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.<sup>(4)(9)</sup>

## Additional product features

- **Height adjustment stand:** Easily adjust your display to the most comfortable position with 100mm range of travel.
- **Adjust your view:** Adjust the screen to your personal preference with a 5 degree forward or 23 degree backward tilt.
- **FHD / 1080p display:** Be prepared for brilliant visuals and crisp images with the unforgettable quality of this stunning FHD display.<sup>(1)</sup>
- **VA panel:** With a wide, 178-degree viewing angle and better black levels, VA panels elevate your favorite content with a superb contrast ratio for colors that pop.
- **Included headphone jack:** Conveniently located within reach, the headphone jack lets you easily plug in your headphones for a more lifelike experience.
- **3000:1 contrast ratio:** With a wider contrast ratio, enjoy truer blacks that add more depth to shadows and dimly lit scenes for added detail in every photo, movie, or video game.<sup>(2)</sup>
- **Low Blue Light:** Using the Low Blue Light mode subtly shifts your display's colors to a warmer spectrum, while making whites more natural and putting less strain on your eyes.

## 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 one-year limited warranty.<sup>(8)</sup>

## Monitor specifications

<b>Panel type</b>	<ul style="list-style-type: none"> <li>VA</li> <li>1500R curved</li> </ul>
<b>Viewable image area</b>	23.6-inch display, diagonally measured
<b>Viewing angle</b>	<ul style="list-style-type: none"> <li>Horizontal: 178°</li> <li>Vertical: 178°</li> </ul>
<b>Surface treatment</b>	Anti-glare panel
<b>Native resolution</b>	1920 x 1080 @ 60 Hz
<b>Maximum resolution</b>	1920 x 1080 @ 144 Hz <sup>(7)</sup>
<b>Panel bit depth</b>	8-bit
<b>Aspect ratio</b>	16:9
<b>Contrast ratio</b>	<ul style="list-style-type: none"> <li>Typical: 3000:1</li> <li>Dynamic 12M:1<sup>(3)</sup></li> </ul>
<b>Brightness</b>	300 nits
<b>Color gamut</b>	72% NTSC
<b>Color space</b>	<ul style="list-style-type: none"> <li>RGB 4:4:4</li> <li>YCBCR 4:4:4</li> <li>YCBCR 4:2:2</li> </ul>
<b>Factory Color Presets</b>	Native
<b>Low blue light mode</b>	Yes
<b>Pixel pitch</b>	<ul style="list-style-type: none"> <li>0.27156 (H) mm x 0.27156 (V) mm</li> <li>93 PPI</li> </ul>
<b>Panel active area</b>	<ul style="list-style-type: none"> <li>20.53 in x 11.55 in</li> <li>521.40 mm x 293.28 mm</li> </ul>
<b>Maximum refresh rate</b>	144Hz <sup>(2)</sup>
<b>Response time</b>	4ms GtG with OverDrive <sup>(2)</sup>
<b>Variable refresh rate technology</b>	AMD FreeSync™ Premium technology <sup>(4)(9)</sup>
<b>Connectivity</b>	<ul style="list-style-type: none"> <li>1 x HDMI 2.0</li> <li>1 x DisplayPort™ 1.2</li> <li>1 x Audio output (analog)</li> </ul>
<b>Power supply</b>	Internal
<b>Maximum power consumption</b>	35W
<b>Energy saving/standby mode</b>	0.5W
<b>Tilt</b>	-5 to +23 degrees
<b>Swivel</b>	360°
<b>Height adjustable base</b>	Adjustable: 0-100 mm
<b>Base area footprint</b>	<ul style="list-style-type: none"> <li>9.05 in x 8.6 in</li> <li>230 mm x 218 mm</li> </ul>
<b>Detachable base</b>	Yes, ships detached
<b>VESA mounting</b>	100 mm x 100 mm
<b>Security lock ready</b>	Yes

<b>Unpackaged dimensions</b>	<ul style="list-style-type: none"> <li>21.1 in (W) x 8.6 in (D) x 15.3 in (H)</li> <li>53.62 cm (W) x 21.8 cm (D) x 38.88 cm (H)</li> </ul>
<b>Unpackaged weight</b>	<ul style="list-style-type: none"> <li>11.72 lb</li> <li>5.32 kg</li> </ul>
<b>Packaged dimensions</b>	<ul style="list-style-type: none"> <li>23.43 in (W) x 8.19 (D) in x 15.59 in (H)</li> <li>59.5 cm (W) x 20.8 (D) cm x 39.6 cm (H)</li> </ul>
<b>Packaged weight</b>	<ul style="list-style-type: none"> <li>15.18 lb</li> <li>6.9 kg</li> </ul>
<b>On screen display</b>	<ul style="list-style-type: none"> <li><b>Monitor control buttons:</b> Menu / OK, Information / Minus ("−"), Viewing Modes.../Plus ("+"), Input Control / Exit, Power</li> <li><b>User assignable function buttons:</b> 3 with 5 options</li> </ul>
<b>Languages</b>	English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
<b>Certifications</b>	<ul style="list-style-type: none"> <li>Microsoft WHQL Certification: Windows 10/RS6/Windows 7</li> <li>WW application</li> <li>CE,CB,KC/KCC/e-standby/BIS/ICE/TUV-Bauart/ISO 9241-307/EUP Lot5/EUP Lot6/CTUVus/CCC/CEL/PSB/ISC/EAC/UkrSEPRO/Mexico MEPS/NOM-NYCE/Low Blue Light/VCCI/FCC/C-tick/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/South Africa MEPS/Ukraine Energy label/CEC/WEEE</li> </ul>

## Environmental features

<b>LED backlights</b>	Mercury-free LED backlighting
<b>Backlight lamp life</b>	30K hours
<b>Arsenic-free</b>	Arsenic-free display glass <sup>(6)</sup>
<b>Certifications</b>	CEL Grade 2

## Accessories & warranty

<b>What's in the box</b>	<ul style="list-style-type: none"> <li>A/C power cord (1.83m)</li> <li>HDMI cable (1.8m)</li> <li>Accessory (Hex Screws and Hex key)</li> <li>Quick set up poster</li> <li>Product notice</li> <li>Warranty card</li> </ul>
<b>Limited warranty</b>	HP standard one-year limited warranty. <sup>(8)</sup>

## Additional information

<b>Product number</b>	9EK40AA#ABA
<b>Ad embargo date</b>	10/04/2020
<b>UPC Code</b>	194721460714
<b>Country of origin</b>	China
<b>Tariff number</b>	8528520000

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

<sup>(3)</sup> During video playback only, depending on series of frames or time duration. <sup>(4)</sup> Requires a monitor and AMD Radeon™ graphics, both with FreeSync™ Premium support. AMD FreeSync™ Premium requires mandatory low framerate compensation and at least 120 Hz refresh rate at minimum FHD. See [www.amd.com/freesync](https://www.amd.com/freesync) for complete details. Confirm capability with your system manufacturer before purchase. GD-161. <sup>(5)</sup> 2x faster than traditional 60Hz monitors. <sup>(6)</sup> Arsenic and its compounds were not detected using U.S. EPA test methods 3052/6010b by ICP-AES with a Method Detection Limit of 10 ppm. <sup>(7)</sup> DisplayPort 1.2 or HDMI 2.0 required to drive panel at its native resolution. <sup>(8)</sup> Warranty may vary by country. See [www.hp.com/go/support](https://www.hp.com/go/support) for details. <sup>(9)</sup> FreeSync™ is only available when it is connected on DisplayPort or HDMI. FreeSync is an AMD® technology is 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. 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](https://www.amd.com/freesync). © 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. 06/17/2020\_r2 tg

