ProductSheet
# HP X32c FHD Gaming Monitor (33K31AA)

## Immersive all play, every play.

Play longer, comfier, and with amazing accuracy on our suite of sweet curved gaming monitors. We've redefined high definition gaming with VA Panel Technology, 165Hz refresh rate, 1ms response time[1], and AMD[2] FreeSync™ Premium[3].

### Believing is Seeing
Find more room to play on these VA 1500R curved monitors in Full HD (1920x1080)[4]. Immerse yourself in even more colors and catch all the action with ultra-wide viewing angles.
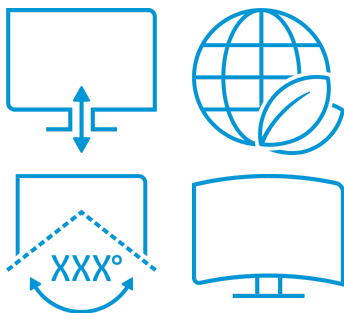
### Game in comfort
A curved panel that reduces eye strain and has HP Eye Ease with Eyesafe® certification that keeps high-energy bad blue light out and the color accuracy in. Customize your comfort with the adjustable base.

### Smooth Moves
Live in the flow of 165Hz with a super fast 1ms response time[1] with MPRT and keep your gameplay smooth-as-silk with AMD[2] FreeSync™ Premium[3].

## Featuring

### Eyesafe® Certified Display
Eyesafe® certified displays meet TÜV low blue light requirements and Eyesafe® standards for protecting your eyes from harmful blue light without distorting colors to reduce eyestrain when working for long periods of time.

### Adjust your view
Adjust your screen for comfortable viewing with tilt capability.

### Sustainably Sourced Packaging
HP is innovating new ways to reduce the amount of materials in our packaging and to use more recycled materials in the design. [5,7]

### VA panel
Get wide, 178-degree viewing angles and better black levels for deep, rich contrast.

### 1,500R curved display
A dramatic curve delivers an incredibly realistic and immersive gaming experience.

## Specifications

| | |
|---|---|
| **Display size (diagonal)** | 31.5" |
| **Panel technology** | VA |
| **Display size (diagonal)** | 80 cm (31.5") |
| **Aspect ratio** | 16:9 |
| **Native resolution** | FHD (1920 x 1080)[1] |
| **Resolutions supported** | 640 x 480; 720 x 400; 800 x 600; 1024 x 768; 1280 x 720; 1280 x 800; 1280 x 1024; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080 |
| **Pixel pitch** | 0.3637 mm x 0.3637 mm |
| **Brightness** | 350 nits[1] |
| **Contrast ratio** | 3000:1 |
| **Response time (typical)** | 1ms MPRT (with overdrive)[1] |
| **Minimum dimensions (W x D x H)** | 70.89 x 9.47 x 42.55 cm<br>*(Without stand.)* |
| **Minimum dimensions (W x D x H)** | 27.91 x 3.73 x 16.75 in<br>*(Without stand.)* |
| **Dimensions With Stand (W x D x H)** | 70.89 x 23.49 x 55.37 cm |
| **Weight** | 8.5 kg<br>*(With stand.)* |
| **Weight** | 18.7 lb<br>*(With stand.)* |
| **Display features** | Low blue light mode; Anti-glare; 1500R curvature; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible |
| **Display Input Type** | 1 HDMI 2.0 (with HDCP support); 1 DisplayPort™ 1.4-in (with HDCP support) |
| **Onscreen controls** | Exit; Information; Management; Power control; Input control; Menu control; Gaming; Image; Color |
| **Display scan frequency (horizontal)** | 30-210 KHz |
| **Display scan frequency (vertical)** | 60-165 Hz |
| **Webcam** | No integrated camera |
| **Power** | 100 - 240 VAC 50/60 Hz |
| **Power consumption** | 50 W (maximum), 25 W (typical), 0.5 W (standby) |
| **Operating temperature range** | 5 to 35°C |
| **Operating humidity range** | 20 to 80% non-condensing |
| **Certifications and compliances** | BIS; BSMI; CB; CCC; CE; CECP; CEL; cTUVus; EAC; FCC; ISC Mark; ISO 9241-307; KC/KCC; NOM; PSB; TUV-S (Argentina) IEC60950-1; VCCI; WEEE; California Energy Commission (CEC); Mexico Energy; WW application; ICE; UAE; TUV-GS; Ukraine certificates; NRCS of South Africa; PSE EAC; Belarus Energy; Eyesafe® Certified |
| **Physical security** | Security lock-ready |
| **Management Software** | OMEN Gaming Hub |
| **What's in the box** | Monitor; DisplayPort™ cable; Warranty card; Product notice; AC power cord |

## Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

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## Messaging Footnotes

[1] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. Results may vary based on quality of the original picture/photo/video and difference between the previous monitor settings compared to the HP Enhance + mode.

[2] 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.

[3] Supports Adaptive-sync with NVIDIA® GeForce® graphics cards and AMD Radeon graphics cards. FreeSync™ certified. Compatible with NVIDIA® GeForce® GTX 10 series, GTX 16 series and newer graphics cards.

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

[5] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. Plastic cushions are made from >90% recycled plastic.

[7] 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 for complete details. Confirm capability with your system manufacturer before purchase. GD-161.

## Technical Specifications Footnotes

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