

# HP Pavilion Gaming 32 HDR Display



## HDR display. Designed for play.

Experience incredibly smooth, life-like visuals on an HDR display with AMD® FreeSync™ technology—perfect for gaming, watching videos, and editing photos.

## Product overview

- **The difference is clear:** Experience true-to-life picture on a 32-inch diagonal QHD display with Display HDR™ 600. With deeper contrast and greater color accuracy, your content—from games to videos—has never been this immersive.<sup>(1)(2)</sup>
- **Smooth, stutter-free gaming:** Put an end to choppy gameplay and broken frames. AMD® FreeSync™ technology<sup>(3)</sup> helps eliminate image tears and choppiness for an effortlessly smooth gaming experience.
- **Easy connectivity:** This versatile display has 2 HDMI, 1 DisplayPort™, 2 USB, and an audio out to seamlessly hook-up all your devices and accessories.

## Key specifications

- **Display size:** 32-inch (diagonal)
- **Aspect ratio:** 16:9
- **Response time:** 5ms GtG<sup>(2)</sup>
- **Contrast ratio:**  
Static: 3000:1  
Dynamic: 10M:1<sup>(5)</sup>
- **Resolution:** 2560 x 1440 @ 60Hz (QHD)<sup>(2)</sup>
- **Connectivity:**  
2 x HDMI  
1 x DisplayPort™  
2 x USB 3.0
- **Exterior color:** Shadow black

## Software

- **User control OSD settings:** HP My Display Smart software also lets you partition your screen so that multiple application windows can be open at the same time, and even saves user-preferred settings for any easy startup.
- **Enhanced visuals:** HP Enhance+ resolution improves image quality with advanced noise reduction for crisper, cleaner images. By reducing overexposure, this advanced noise filter amplifies your images for crisper photos, videos and games.

## Product features

- **High dynamic range display:** HDR games and movies appear vivid and colorful, with enhanced contrast on a VESA-certified HDR™ 600 display. More accurate colors provide a more lifelike visual experience.<sup>(1)</sup>
- **AMD® FreeSync™ 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>(3)</sup>
- **DCI-P3 color space:** Get deeper hues and more accurate colors with a wider color gamut than sRGB. DCI-P3 95% closely represents colors on displays as they are in the real world.<sup>(5)</sup>
- **600 nits peak luminance:** With 2X the brightness of typical displays, 600 nits renders games and movies realistically.<sup>(5)</sup>
- **VA panel:** Get wide, 178° viewing angles and better black levels for deep, rich contrast.
- **HDMI/DisplayPort™/USB:** This versatile display has 2 HDMI, 1 DisplayPort™, 2 USB, and an audio out to seamlessly hook-up all your devices and accessories.
- **75Hz refresh rate:** Uncap your in-game frame rate, because with a 75Hz refresh rate this display is capable of clearer, high resolution details smoothly moving from frame to frame allowing for faster split-second reaction time.<sup>(5)</sup>
- **QHD Display:** Get lost in the captivating definition and ultra-sharp details of 3.7 million pixels. The 2560 x 1440 resolution transforms all your content for an remarkable entertainment experience.<sup>(2)</sup>
- **Easy port access:** Quickly connect with simple and easy access to all your ports.

## Energy efficiency your way

- **Environmentally conscious:** Energy efficient components such as mercury-free display backlighting, low halogen design, arsenic-free display glass, and recyclable packaging, help achieve a EPEAT Silver rating.\*

## Warranty and support

- **Peace-of-mind coverage:** Rest easy and work confidently with an HP standard 1 year limited warranty. Certain restrictions and exclusions apply.<sup>(9)</sup>



## Monitor specifications

<b>Panel type</b>	• VA panel
<b>Viewable image area</b>	• 32-inch display, diagonally measured
<b>Viewing angle</b>	• Horizontal: 178° • Vertical: 178°
<b>Surface treatment</b>	• Anti-glare panel
<b>Resolution (recommended)</b>	• 2560 x 1440 @ 60Hz (QHD) <sup>(2)</sup>
<b>Aspect ratio</b>	• 16:9
<b>Contrast ratio</b>	• Static Ratio: 3000:1 • Dynamic Ratio: 10M:1 <sup>(4)</sup>
<b>Brightness</b>	• 300 nits (typical) <sup>(5)</sup> • 600 nits (peak brightness)
<b>Color gamut</b>	• DCI-P3 95%
<b>Pixel pitch</b>	• 0.276 x 0.276 mm • 91.8 PPI
<b>Panel active area</b>	• 708.48 x 398.52 mm
<b>Scan range</b>	• Vertical: 48 - 75 Hz • Horizontal: 115Kz~115K
<b>Response time</b>	• 5ms GtG <sup>(5)</sup>
<b>Connectivity</b>	• 1 DisplayPort™ • 2 HDMI • HDCP Support: 2.2 • Audio Output: 1
<b>USB</b>	• 2 USB 3.0
<b>Power supply</b>	• External
<b>Maximum power consumption</b>	• 86W
<b>Energy saving/standby mode</b>	• 0.5W
<b>Tilt</b>	• -5 to +21 degrees
<b>Base area footprint</b>	• 12.1 in x 0.4 in
<b>Detachable base</b>	• Yes, ships detached
<b>VESA mounting</b>	• Yes, 100 mm with integrated mount or with included bracket
<b>On screen display</b>	• Brightness, Contrast, Color Control, Input Control, Image Control, Power control, Menu Control, Management, Language, Information, EXIT,
<b>User controls</b>	• <b>Programmable modes:</b> 20 • <b>Controls:</b> Menu, Plus ("+") /Input Control, Minus ("-")/Color Control, Power • <b>User-assignable:</b> 2 (6 options)
<b>Languages</b>	• 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
<b>Certifications</b>	• Microsoft WHQL certification: Win 10, Win 8, Win 8.1, Win 7

## Environmental features

<b>LED backlights</b>	• Yes, Mercury-free LED backlighting
<b>Backlight lamp life</b>	• 30k minimum
<b>Arsenic-free</b>	• Yes <sup>(7)</sup>
<b>Low halogen</b>	• Yes <sup>(6)</sup>
<b>Certifications</b>	• WW application • CE, CB, KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/EAC/UL/CSA/PSB/ISC/CCC/CEL/CECP/SEPA/TCO/TCO Certified Edge/Energy Star/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE/Skype for Business Certified • Energy Star® 7.0 qualified • EPEAT® Silver registered <sup>(8)</sup>

## Accessories & warranty

<b>What's in the box</b>	• AC power cord (1.9m) 6.2 ft • HDMI 2.0 cable (1.8m) 5.9 ft • DP cable (Max) (1.8m) 5.9 ft • CD (includes user guide, warranty, drivers)
<b>Limited warranty</b>	• Protected by a one-year HP limited warranty. Certain restrictions and exclusions apply. <sup>(9)</sup>

## Additional information

<b>Product number</b>	• 3BZ12AA#ABA
<b>Ad embargo date</b>	• 6/30/2018
<b>UPC Code</b>	• 192018453746
<b>Country of origin</b>	• China
<b>Tariff number</b>	• 8528510000
<b>Pallet information</b>	• <b>Dimensions:</b> G-1: 49.02 in (W) x 35.43 in (L) x 98.19 in (H) G-2: 40.08 in (W) x 38.98 in (L) x 92.95 in (H) • <b>Total weight:</b> 539 lbs (GQ) / 693 lbs(HQ) • <b>Layers:</b> 3 (GQ) / 4 (HQ) • <b>Products per layer:</b> 5 (G-1) 4 (G-2)

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<sup>(1)</sup>High dynamic range (HDR) content required to view full HDR images. <sup>(2)</sup>Quad high-definition (QHD) content required to view QHD images. <sup>(3)</sup>FreeSync™ is only available when it is connected on DisplayPort or HDMI port. FreeSync is an AMD® technology and 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. Monitor, AMD® Radeon™ Graphics and/or AMD® A-Series APU compliant with DisplayPort™ Adaptive-Sync required. AMD® Catalyst™ 15.2 Beta (or newer) required. Adaptive refresh rates vary by display. <sup>(4)</sup>Dynamic Contrast Ratios during video playback only, depending on series of frames or time duration. <sup>(5)</sup>All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>(6)</sup>External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. <sup>(7)</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>(8)</sup>EPEAT Silver registered models of this product are available where HP registers consumer products. Available in the U.S. only. <sup>(9)</sup>Warranty may vary by country. See [www.hp.com/go/support](http://www.hp.com/go/support) for details. Actual product may vary from image shown on datasheet. © Copyright 2018 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. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. All other trademarks are property of their respective owners. 4AA7-5251ENUC 03/14\_r1 tq

