



# HP Series 3 Pro 21.45 inch FHD Monitor - 322pe



## Everyday Work Essentials

Get the essentials you need to be more productive on this 21.45-inch FHD, IPS monitor. The sleek, 3-sided borderless design is perfect for any desk and a crisp, smooth screen makes completing everyday projects easier. Simply connect via HDMI or VGA and get to work.

100Hz

## Elevate Your View

This 21.45-inch FHD[1] monitor has just what you need to complete your everyday tasks. A 3-sided micro-edge design and IPS panel ensures you see more of your screen, while 100 Hz refresh rate delivers crisp and fluid content.[2]



## Increased Comfort

Stay comfortable and productive throughout the day with adjustable tilt. Keep your eyes comfortable with the option to turn on software low-blue light mode for warmer colors onscreen.



## Connect Easily

Easily plug in and get to work with the connections you need, which include an HDMI 1.4 and VGA ports for video and audio. [3]



## Built for a Better Tomorrow

This energy-efficient monitor is ENERGY STAR® and EPEAT® Silver[4] registered as well as TCO certified. Plus, it contains 85% post-consumer recycled plastic (PCR)[5] and comes in 100% sustainably sourced packaging.[6]

## Features

### FHD Resolution

Focus on the finer details and enjoy sharp visuals and crystal clear images with the 1920 x 1080 FHD resolution on this 21.45" diagonal monitor.<sup>[1,2]</sup>

### 100 Hz Refresh Rate

With a 100 Hz refresh rate this monitor is capable of clear details, smoothly moving from frame to frame, allowing for fast split-second reaction time.<sup>[2]</sup>

### IPS Technology

No matter where you are or sit, IPS technology ensures image accuracy and consistency across wide 178-degrees horizontal and vertical viewing angles.

### 3-Sided Micro-Edge Bezel

See and do more on your screen with a 3-sided micro-edge bezel that maximizes your viewing area for a sleek design and virtually seamless dual-monitor setups.

### Adjustable Tilt

The tilt-adjustable slim stand helps you find the right angle so you can maximize productivity and work comfortably.

### Software Low Blue Light Mode

Keep your eyes comfortable throughout the day by turning on Low Blue Light Mode to subtly shift display colors to a warmer spectrum.

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*[1] 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. 100 Hz refresh rate can be supported via HDMI cable connection only. Refresh rates can be user enabled in PC settings. 60Hz refresh rate supported with VGA.*

*[3] HDMI 1.4, AC power cable included. All other cables sold separately.*

*[4] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information. This product has been verified to meet ENERGY STAR® requirements.*

*[5] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT® standard.*

*[6] 100% of paper-based packaging made from sustainably sourced, certified, and recycled fibers.*

## Specifications

<b>Color</b>	Black
<b>Display size (diagonal)</b>	21.45"
<b>Panel technology</b>	IPS; LCD
<b>Display size (diagonal)</b>	54.48 cm (21.45")
<b>Aspect ratio</b>	16:9 <sup>[1]</sup>
<b>Native resolution</b>	FHD (1920 x 1080) <sup>[1,2]</sup>
<b>Resolutions supported</b>	640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz; 800 x 600 @ 60 Hz; 800 x 600 @ 75 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 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1280 x 1024 @ 75 Hz; 1024 x 768 @ 75 Hz; 1280 x 800 @ 60 Hz; 720 x 400 @ 70 Hz (VGA only); 720 x 400 @ 70 Hz (HDMI only)
<b>Pixel pitch</b>	0.25 x 0.24 mm <sup>[1]</sup>
<b>Brightness</b>	250 nits <sup>[1]</sup>
<b>Contrast ratio</b>	1000:1 <sup>[1]</sup>
<b>Response time (typical)</b>	5ms GtG (with overdrive) <sup>[1]</sup>
<b>Dimensions (W x D x H)</b>	49.28 x 4.30 x 28.65 cm (without stand)
<b>Dimensions (W x D x H)</b>	19.4 x 1.69 x 11.28 in (without stand)
<b>Dimensions With Stand (W x D x H)</b>	49.28 x 20.99 x 37.44 cm
<b>Weight</b>	2.6 kg (with stand); 2.2 kg (without stand)
<b>Weight</b>	5.73 lb (with stand); 4.85 lb (without stand)
<b>Display features</b>	Tilt
<b>Onscreen controls</b>	Brightness+; Color; Image; Input; Power; Menu; Management; Exit; Contrast; Language
<b>Display colors</b>	Up to 16.7 million colors supported <sup>[1,3]</sup>
<b>Display scan frequency (horizontal)</b>	52.4-110 kHz <sup>[1]</sup>
<b>Display scan frequency (vertical)</b>	48-100 Hz <sup>[1]</sup>
<b>Power</b>	90 – 264 VAC 50/60 Hz
<b>Power consumption</b>	17.6 W (maximum), 14.5 W (typical), 0.5 W (standby)
<b>Operating temperature range</b>	0 to 40°C
<b>Operating humidity range</b>	0 to 85% RH
<b>Sustainable impact specifications</b>	Low halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 85% post-consumer recycled plastic

<b>Certifications and compliances</b>	Australian-New Zealand MEPS; Bauart; BSMI; CB; CCC; CE; CECP; CEL; cTUVus; EAC; ErP; ISO 9241-307; KC/KCC; NOM; PSB; SEPA; TUV-S; VCCI; Vietnam MEPS; WEEE; ISC; Low blue light; Mexico Energy; UAE ECAS; UAE RoHS; KMEPS; NRCS LOA; NRCS EE
<b>Physical security</b>	Security lock-ready <sup>[11]</sup>
<b>Management Software</b>	HP Display Center; HP Display Manager; HP Client Management Script Library <sup>[9,10]</sup>
<b>UPC number</b>	(A2K) 198701249979; (A2N) 198828988386; (AB0) 198701249986; (AB1) 198701249993; (AB2) 198701250005; (AB4) 198701250012; (ABA) 198701250036; (ABB) 198828988393; (ABG) 198828261380; (ABJ) 4582712520732; (ABU) 198828988409; (ABV) 198828988416; (AC4) 198701250043; (AC8) 198701250067; (ACJ) 198701250074; (ACQ) 198828988447; (AKH) 198701250098; (AKL) 198701250104; (AR6) 198701250135; (UUU) 198701250142
<b>Manufacturer Warranty</b>	HP three-year limited warranty
<b>What's in the box</b>	Monitor; HDMI cable; Quick Setup Poster; AC power cord <sup>[4]</sup>

## Additional specifications

<b>Backlight lamp life minimum (to half brightness)</b>	30,000 hours
<b>Backlight type</b>	Edge-lit
<b>Base area footprint (imperial)</b>	8.98 x 8.26 in
<b>Base area footprint (metric)</b>	22.82 x 20.99 cm
<b>Bezel</b>	3-sided borderless
<b>Color gamut</b>	72% NTSC
<b>Curvature</b>	Flat
<b>Datasheet photo 1</b>	AHID/75b3c8932f7ed6e16b424edaabb75f41e464a875
<b>Datasheet photo 2</b>	AHID/0eef891cfdf1e9bef625be0281d79e221b802941
<b>Datasheet photo 3</b>	AHID/80353105a644f47966b19fafd10a71aefc090cbe
<b>Datasheet photo 4</b>	AHID/4fa196e8526999c5e12c36ef4535e72574f697bb
<b>Detachable stand</b>	Yes
<b>Display area (imperial)</b>	18.85 x 10.25 in
<b>Display area (metric)</b>	47.87 x 26.03 cm
<b>Display contrast ratio (dynamic)</b>	8,000,000:1
<b>Ecolabels</b>	TCO Certified; EPEAT® registered with Climate+
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Flicker-free</b>	Yes
<b>HDCP</b>	Yes, HDMI
<b>HDMI</b>	1 HDMI 1.4
<b>Hardness</b>	3H <sup>[1]</sup>
<b>Haze</b>	25%
<b>Horizontal viewing angle</b>	178°
<b>Low blue light</b>	Yes
<b>Non-Operating Humidity Range</b>	0 – 90%
<b>Non-operating temperature - Celsius</b>	-20 to 60°C
<b>Non-operating temperature - fahrenheit</b>	-4 to 140°F
<b>Operating altitude</b>	Up to 16,404 ft
<b>Operating altitude</b>	Up to 5,000 m
<b>Operating temperature range</b>	32 to 104°F
<b>Package dimensions (W x D x H)</b>	21.89 x 5.43 x 13.78 in

<b>Package dimensions (W x D x H)</b>	55.6 x 13.8 x 35 cm
<b>Package weight</b>	9.04 lb
<b>Package weight</b>	4.1 kg
<b>Pallet (layers)</b>	6
<b>Pallet dimensions</b>	47.24 x 39.37 x 87.95 in
<b>Pallet dimensions (W x D x H)</b>	120 x 100 x 223.4 cm
<b>Pallet weight</b>	787.93 lb
<b>Pallet weight</b>	357.4 kg
<b>Panel bit depth</b>	8 bit (6 bit + FRC) <sup>[1]</sup>
<b>Pixels per inch (ppi)</b>	101 ppi <sup>[1]</sup>
<b>Power supply type</b>	Internal
<b>Product color</b>	Black
<b>Product dimensions with stand (W x D x H)</b>	19.4 x 8.26 x 14.74 in
<b>Products per pallet</b>	84
<b>Products per pallet layer</b>	14
<b>Refresh rate (maximum)</b>	100 Hz
<b>Resolution (maximum)</b>	FHD (1920 x 1080 @ 100 Hz) <sup>[1]</sup>
<b>Screen treatment</b>	Anti-glare
<b>Stand color</b>	Black
<b>Stand type</b>	Fixed height stand; Base stand; With stand
<b>Storage altitude</b>	Up to 39.370 ft
<b>Storage altitude</b>	Up to 12,000 m
<b>Technology logo 1</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08717783.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08717783.png</a>
<b>Technology logo 2</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03123379.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03123379.png</a>
<b>Tilt</b>	-5 to +23°
<b>UNSPSC code</b>	43211902
<b>VESA mounting</b>	100 x 100 mm
<b>VGA</b>	1 VGA
<b>Vertical viewing angle</b>	178°
<b>Video connectors</b>	HDMI
<b>Viewable diagonal size</b>	21.45" (54.48 cm)

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

[2] DisplayPort™ 1.4 or HDMI 2.0 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 8 bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 1920 x 1080 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.

[3] Number of colors through A-FRC technology.

[4] Included cables may vary by country.

[9] Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.

[10] HP CMSL software agent must be running on a web server and host PC. Some limitations may apply to legacy monitors. HP CMSL is available for download on support.hp.com.

[11] Lock sold separately.

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