

### Technical Specifications

#### HP Series 3 Pro FHD Monitor- 324pv



1. Power Button

**Front**  
2. Power LED

### Technical Specifications

#### HP Series 3 Pro FHD Monitor- 324pv



1. Joypad OSD button
2. Security Cable Slot
3. Power Connector

#### Back

4. HDMI 1.4 Port
5. VGA Port

### Technical Specifications


Model: 9U5C1AA

<b>Panel Specifications</b>	<b>Display Size (Diagonal)</b>	60.5 cm (23.8")
	<b>Viewable Diagonal Size</b>	60.47 cm (23.8")
	<b>Panel Technology</b>	VA
	<b>Curvature</b>	Flat
	<b>Max Refresh Rate</b>	100 Hz
	<b>Native Resolution</b>	FHD (1920 x 1080)
	<b>Panel Bit Depth</b>	8 bit (6 bit + FRC)
	<b>Aspect Ratio</b>	16:9
	<b>Brightness (Typical)</b>	250 nits
	<b>Display Contrast Ratio (Static)</b>	3000:1
	<b>Display Contrast Ratio (Dynamic)</b>	8M:1
	<b>Flicker Free</b>	Yes (TÜV certified)
	<b>Pixel Pitch</b>	0.2745 x 0.2745 mm
	<b>Pixels Per Inch (PPI)</b>	93 PPI
	<b>Display Colors</b>	Up to 16.7 million colors supported* *Number of colors thru A-FRC technology.
	<b>Backlight Lamp Life Minimum (To Half Brightness - In Hours)</b>	30,000 hours
	<b>Backlight Type</b>	Edge-lit, WLED
	<b>Screen Treatment</b>	Anti-glare
	<b>Hardness</b>	3H
	<b>Haze</b>	25%
	<b>Response Time (Typical)</b>	5ms GtG (with overdrive)
	<b>Horizontal Viewing Angle (Typical Cr&gt;10)</b>	178°
	<b>Vertical Viewing Angle (Typical Cr&gt;10)</b>	178°
<b>Panel Active Area Metric (W X H)</b>	52.7 x 29.65 cm	
<b>Panel Active Area Imperial (W X H)</b>	20.75 x 11.67 in	
<b>NOTE:</b> Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.		
<b>Color</b>	<b>NTSE</b>	72%
<b>Color Management</b>	<b>Color Space</b>	RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
	<b>RGB Channel Adjust</b>	Yes, Gain
	<b>Default Color Temperature</b>	Standard (6500K)
<b>Monitor Specifications</b>	<b>Bezel Type</b>	3-sided borderless
	<b>Color Of Stand</b>	Black
	<b>Color Of Head</b>	Black
	<b>Tilt</b>	-5 to +23°
	<b>Vesa Mounting</b>	100 mm x 100 mm
	<b>Security Lock</b>	Standard Security Lock Slot
	<b>Detachable Stand</b>	Yes
	<b>Warranty</b>	3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries)

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	<b>Low Blue Light Management Software</b>	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) HP Display Manager, HP Display Center* <i>*Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.</i>
<b>On Screen Display (OSD)</b>	<b>On Screen Display</b> <b>Native Resolution</b>	Brightness+, Image, Color, Input, Power, Menu, Management, Information, Exit FHD (1920 x 1080) <i>* DisplayPort™ 1.2 or HDMI 1.4 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 1920x1080at 100 Hz with 8-bit color using one HDMI or DisplayPort™; 1920x1080 at 60 Hz with 8-bit color using one VGA.</i>
	<b>Maximum Resolution</b> <b>Preset Graphic Modes/Supported Resolutions</b>	FHD (1920 x 1080 @ 100 Hz) 640 x 480 @ 60Hz 640x480@75Hz (Digital inputs only) 720 x 400 @ 70 Hz 800 x 600 @ 60 Hz 800x600 @ 75Hz (Digital inputs only) 1024 x 768 @ 60 Hz 1024 x 768 @ 75 Hz (Digital inputs only) 1280 x 720 @ 60 Hz 1280 x 800 @ 60 Hz 1280 x 1024 @ 60 Hz 1280 x 1024 @ 75 Hz (Digital inputs only) 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60Hz 1920x1080 @ 50Hz (Digital inputs only) 1920 x 1080 @ 60Hz 1920x1080 @ 75Hz (Digital inputs only) 1920x1080 @ 100z (Digital inputs only)
	<b>Minimum Vertical Scan Rate</b> <b>Maximum Vertical Scan Rate</b> <b>Minimum Horizontal Scan Rate</b> <b>Maximum Horizontal Scan Rate</b> <b>Maximum Pixel Clock</b> <b>User Programmable Modes</b> <b>User-Assignable Function Buttons</b> <b>Languages</b>	50 Hz VGA 60 Hz, HDMI 100 Hz 30 kHz HDMI: 115 kHz, VGA:80 kHz HDMI:300MHz, VGA:170MHz Yes, VGA 11, HDMI 18 Yes, 4 (VGA: 6 options, HDMI: 5 options) 11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
<b>Connector Types</b>	<b>HDMI</b> <b>HDCP</b> <b>VGA</b>	1 HDMI 1.4 Yes, HDMI 1 VGA
<b>Special Features</b>	<b>Switch</b>	Monitor Power button

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		Next Active Input / Up button Brightness / Down button Information / Left button Color / Right button Menu / Enter button 11(VGA)/18(HDMI)
	<b>User Presets</b>	
<b>Power &amp; Operating Specs</b>	<b>Power Supply</b>	Internal
	<b>Power Source</b>	100 – 240 VAC 50/60 Hz
	<b>Power Consumption- Max</b>	30 W
	<b>Energy Saving/Stand By Mode Power Consumption - Typical</b>	20 W
<b>Energy Star Data</b>	<b>Operational Mode at 100 VAC</b>	14.3 W
	<b>Operational Mode at 115 VAC</b>	14.3 W
	<b>Operational Mode at 230 VAC</b>	14.3 W
<b>EU Energy Efficiency Class (ErP LOT-5)</b>	<b>On-mode Power Consumption for Standard Dynamic Range (SDR)</b>	14.4 W
<b>EU Energy Efficiency Class (ErP LOT-5)</b>	<b>ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)</b>	
<b>Operating Conditions</b>	<b>Operating Temperature - Celsius</b>	5~35°C
	<b>Operating Temperature - Fahrenheit</b>	41– 95°F
	<b>Non-Operating Temperature - Celsius</b>	–40 – 65°C
	<b>Non-Operating Temperature - Fahrenheit</b>	–40 – 149°F
	<b>Operating Humidity</b>	20 – 80% Relative Humidity (non-condensing)
	<b>Non-Operating Humidity</b>	5~95%RH
	<b>Operating Altitude Metric</b>	0~5,000m (16,400 ft.)
	<b>Non-operating Altitude Metric</b>	0~12,192m (40,000 ft.)
<b>Certifications and Compliances</b>	<b>Operating Altitude Imperial</b>	0~16,400ft
	<b>Non-operating Altitude Imperial</b>	0~40,000ft
	<b>Low Halogen</b>	Yes
	<b>Agency Approvals and Certifications</b>	WW application UAE/EUP Lot6 and Lot26/ Eup Lot5/ Energy Star / TCO Edge/ TCO / Australia MEPS/ Vietnam MEPS/ CEC/ Bauart/ China CCC/ cTUVus/ Korea KC/ Korea KCC/ Korea e-Standby/ CB(62368-1&60950)/ ISO9241-307/ CE/FCC/VCCI/RCM/C-TICK/IC/ India BIS/ Taiwan BSMI/ Mexico NOM/ South Africa Energy Efficiency/ Argentina S-Mark/ Singapore PSB/ Cambodia ISC/ EAC//Mexico Energy /CEL/Ukraine(DOC&COC)/NRCS/Ukraine energy/PSE/SEPA/TGM/ Works with Chromebook*

\*This product works with devices capable of running the latest version of ChromeOS and has been certified to meet Google's compatibility



### Technical Specifications

**Microsoft WHQL Certification**  
**ENERGY STAR® Certified**  
**EPEAT® Registered**  
**Regions need to verify by country**

**China Energy Label**  
**TCO Certified Edge**  
**TCO Certified**  
**SmartWay Transport Partnership - NA only**

**Contains Recycled Plastics**

**Contains Recycled Plastics**

**Recyclable Packaging (Box, packing materials)**

**Unit Product/Package Specifications**

**Product Dimensions**  
(Unpacked with stand) (W x D x H)  
**Product Dimensions**  
(Packed) (W x D x H)  
**Display Head Dimensions**  
(Unpacked without stand) (W x D x H)  
**Base Area Footprint**  
(w x d mm)  
**Bezel Measurements**

**Product Weight**  
(Unpacked with stand)  
**Product Weight**  
(Packed)  
**Product Weight**  
(Head Only)

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Yes

EPEAT® Gold in United States\*

\*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.

CEL Grade 2

Yes

Yes

Yes (NA sku)

85% ITE-derived closed loop plastic\*

\*ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.

Outside Box is 100% sustainably sourced and recyclable\*

Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable\*\*

\*100% outer box packaging is made from sustainably sourced certified and recycled fibers.

\*\* Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

<b>Metric</b>	<b>Imperial</b>
53.89 x 18.05 x 39.79 cm	21.22 x 7.11 x 15.67in
59.5 x 12.4 x 39.1 cm	23.43 x 4.88 x 15.39 in
53.89 x 5.143 x 32.36 cm	21.22 x 2.02 x 12.74 in
174 x 170 mm	6.85 x 6.69 in
Top: 1.5 cm Sides: 1.5 cm Bottom: 20.2 cm	Top: 0.06 in Sides: 0.06 in Bottom: 0.8 in
3.56 kg	7.84 lb
5.54 kg	12.22 lb
3.17 kg	6.99 lb

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<b>Pallet Information</b>	<b>Pallet Dimensions</b> (L x W x H mm)	Slip Sheet: 1200x1000x1967 mm (20 ft & 40 ft) Slip Sheet: 1200 x 1000 x 2358 mm (40 HQ) Pallet: 1200x1000 x 2100 mm (20 ft & 40 ft) Pallet: 1200 x 1000 x 2494 mm (40 HQ)	Slip Sheet: 47.24 x 39.37 x 77.44 inch (20 ft & 40 ft) Slip Sheet: 47.24 x 39.37 x 92.83 inch (40 HQ) Pallet: 47.24 x 39.37 x 82.68 inch (20 ft & 40 ft) Pallet: 47.24 x 39.37 x 98.19 inch (40 HQ)
	<b>Pallet Total Weight</b>	Slip Sheet: 475kg (20 ft & 40 ft) Slip Sheet: 569 kg (40 ft HQ) Pallet: 485.62kg (20 ft & 40 ft) Pallet: 579.38 kg (40 ft HQ)	Slip Sheet: 1047.2 lb (20 ft & 40 ft) Slip Sheet: 1254.43 lb (40 ft HQ) Pallet: 1070.61 lb (20 ft & 40 ft) Pallet: 1277.31 lb (40 ft HQ)
	<b>Pallet Layers</b>	5 (20ft/40ft slip sheet & pallet) 6 (40ft HQ slip sheet & pallet)	
	<b>Pallet Product per Layer</b>	16 (slip sheet & pallet)	
	<b>Total Products per Pallet</b>	80 (20ft/40ft slip sheet & pallet) 96 (40ft HQ slip sheet & pallet)	
	<b>Container Load, 20-Foot</b>	800 sets (Slip Sheet and Pallet)	
	<b>Container Load, 40-Foot</b>	1680 sets (Slip Sheet and Pallet)	
	<b>Container Load, 40-Foot HighQ</b>	2016 sets (Slip Sheet and Pallet)	
<b>What's in the box?</b>	AC power cord (1.83m) 5.9ft HDMI 1.4 cable (1.8m) 5.9 ft Quick Setup Poster Warranty		
<b>User Guide and Warranty Languages</b>	<b>User Guide Languages</b>	Arabic, Bahasa Indonesia, Bulgarian, Chinese-S, Chinese-T, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Kazakh, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese (Brazilian), Portuguese (Iberian), Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkey, Ukrainian	
	<b>Warranty Languages</b>	English US (EN), English AP (EN-AP), English LA (EN-LA), English UK (EN-GB), Arabic (AR) -17x, Bahasa Indonesia (ID), Bosnian (BS), Bulgarian (BG), Chinese-S (CN), Chinese-T (TW), Croatian (HR), Czech (CS), Danish (DA), Dutch (NL), Estonian (ET), Finnish (FI), French Canadian (FC), French European (FR), German (DE), Greek (EL), Hebrew (HE), Hungarian (HU), Italian (IT), Japanese (JA), Kazakh (KK), Korean (KO), Latvian (LV), Lithuanian (LT), Norwegian (NO), Polish (PL), Portuguese, Brazilian (BR), Portuguese, Iberian (PT), Romanian (RO), Russian (RU), Serbian (SR), Slovak (SK), Slovenian (SL), Spanish, Castilian (ES-ES), Spanish, Latin America (ES-MX), Swedish (SV), Thai (TH) Turkish (TR), Ukrainian (UK), Vietnamese (VI)	

### *Technical Specifications*

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Summary

Change Log			
	V1 to V2		
	V2 to V3		
	V3 to V4		