

Technical Specifications

HP Series 3 Pro FHD Monitor-322pv



1. Power Button

Front
2. Power LED

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

Back

4. HDMI 1.4 Port
5. VGA Port

Technical Specifications


Model: 9U5A2AA

Panel Specifications	Display Size (Diagonal)	54.5 cm (21.45")
	Viewable Diagonal Size	54.48 cm (21.45")
	Panel Technology	VA
	Curvature	Flat
	Max Refresh Rate	100 Hz
	Native Resolution	FHD (1920 x 1080)
	Panel Bit Depth	8 bit (6 bit + FRC)
	Aspect Ratio	16:9
	Brightness (Typical)	250 nits
	Display Contrast Ratio (Static)	3000:1
	Display Contrast Ratio (Dynamic)	8M:1
	Flicker Free	Yes (TÜV certified)
	Pixel Pitch	0.2493 x 0.2410 mm
	Pixels Per Inch (PPI)	103 PPI
	Display Colors	Up to 16.7 million colors supported* <i>*Number of colors thru A-FRC technology.</i>
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	30,000 hours
	Backlight Type	Edge-lit, WLED
	Screen Treatment	Anti-glare
	Hardness	3H
	Haze	25%
	Response Time (Typical)	5ms GtG (with overdrive)
	Horizontal Viewing Angle (Typical Cr>10)	178°
	Vertical Viewing Angle (Typical Cr>10)	178°
Panel Active Area Metric (W X H)	47.87 x 26.03 cm	
Panel Active Area Imperial (W X H)	18.84 x 10.25 in	
NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.		
Color	NTSE	72%
Color Management	Color Space	RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
	RGB Channel Adjust	Yes, Gain
	Integrated Calibration Instrument	No
	Default Color Temperature	Standard (6500K)
Monitor Specifications	Bezel Type	Narrow
	Color Of Stand	Black
	Color Of Head	Black
	Tilt	-5 to +23°
	Vesa Mounting	100 mm x 100 mm
	Security Lock	Security lock-ready
	Detachable Stand	Yes
	Warranty	3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries)

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	Low Blue Light Management Software	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>
On Screen Display (OSD)	On Screen Display	Brightness+, Color Control, Image Control, Input Control, Power Control, Menu Control, Management, Information, Exit
	Native Resolution	FHD (1920 x 1080) <i>* HDMI 1.4 & VGA 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>
	Maximum Resolution Preset Graphic Modes/Supported Resolutions	FHD (1920 x 1080 @ 100 Hz) 640 x 480 @ 60Hz 640 x 480 @ 75Hz (HDMI only) 720 x 400 @ 70 Hz 800 x 600 @ 60 Hz 800 x 600 @ 75 Hz (HDMI only) 1024 x 768 @ 60 Hz 1024 x 768 @ 75 Hz (HDMI only) 1280 x 720 @ 60 Hz 1280 x 800 @ 60 Hz 1280 x 1024 @ 60 Hz 1280 x 1024 @ 75 Hz (HDMI only) 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 50 Hz (HDMI only) 1920 x 1080 @ 60 Hz 1920 x 1080 @ 75 Hz (HDMI only) 1920 x 1080 @100Hz(HDMI only)
	Minimum Vertical Scan Rate	50 Hz
	Maximum Vertical Scan Rate	VGA 60 Hz, HDMI 100 Hz
	Minimum Horizontal Scan Rate	30 kHz
	Maximum Horizontal Scan Rate	HDMI: 115 kHz, VGA:80 kHz
	Maximum Pixel Clock	HDMI:300MHz, VGA:170MHz
	User Programmable Modes	Yes, VGA 11, HDMI 18
	User-Assignable Function Buttons	Yes, 4 (VGA: 6 options, HDMI: 5 options)
	Languages	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
Connector Types	HDMI HDCP VGA	1 HDMI 1.4 Yes, HDMI 1 VGA
Special Features	Switch	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 & DisplayPort™)
	User Presets	
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption- Max	22 W
	Energy Saving/Stand By Mode	0.5 W
	Power Consumption - Typical	11 W
Energy Star Data	Operational Mode at 100 VAC	11.3 W
	Operational Mode at 115 VAC	11.2 W
	Operational Mode at 230 VAC	11.1 W
EU Energy Efficiency Class (ErP LOT-5)	On-mode Power Consumption for Standard Dynamic Range (SDR)	12.1 W
	ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)	
Operating Conditions	Operating Temperature - Celsius	5~35°C
	Operating Temperature - Fahrenheit	41– 95°F
	Non-Operating Temperature - Celsius	-40 – 65°C
	Non-Operating Temperature - Fahrenheit	-40 – 149°F
	Operating Humidity	20 – 80% Relative Humidity (non-condensing)
	Non-Operating Humidity	5~95%RH
	Operating Altitude Metric	0~5,000m (16,400 ft.)
	Non-operating Altitude Metric	0~12,192m (40,000 ft.)
	Operating Altitude Imperial	0~16,400ft
Non-operating Altitude Imperial	0~40,000ft	
Certifications and Compliances	Low Halogen	Yes
	Agency Approvals and Certifications	WW application CE,CB,KC/KCC/NOM/PSB/ICE/TUV-Bauart/ISO 9241-307/TUV flicker free/ TUV LBL/ BIS/ UAE safety/ UAE RoHS/ Ukraine safety/ South Africa safety/ EAC/CSA/PSB/ISC/CCC/CEL/CECP/SEPA/TCO/TCO Certified Edge/Energy Star/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE/CEC/ 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 standards. Google is not responsible for the operation of this product or its compliance



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

with safety requirements.
 Chromebook and the Works With Chromebook badge are trademarks of Google LLC.
 Windows 11, Windows 10
 Yes
 EPEAT® Gold in United States*

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

CEL Grade 2
 Yes
 Yes
 Yes (NA sku)

Contains Recycled Plastics

Contains Recycled Plastics

85% ITE-derived closed loop plastic*

Recyclable Packaging (Box, packing materials)

*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.

Unit Product/Package Specifications	Product Dimensions	Metric	Imperial
		(Unpacked with stand) (W x D x H)	50.42 x 18.05 x 38.69 cm
	Product Dimensions (Packed) (W x D x H)	56.7 x 12.1 x 38.7 cm	22.32 x 4.76 x 15.24 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	50.42 x 5.08 x 30.3 cm	19.85 x 2.00 x 11.93 in
	Base Area Footprint (w x d mm)	174 x 170 mm	6.85 x 6.69 in
	Bezel Measurements	Top: 16.86 mm Sides: 11.95 mm Bottom: 24.26 mm	Top: 0.66in Sides: 0.47in Bottom: 0.96 in
	Product Weight (Unpacked with stand)	2.8 kg	6.2 lb
	Product Weight (Packed)	4.2 kg	9.3 lb
	Product Weight (Head Only)	2.4 kg	5.3 lb

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Pallet Information	Pallet Dimensions (L x W x H mm)	Slip Sheet: 968 x 1134 x 1935 mm (20' ft & 40' ft) Slip Sheet: 968 x 1134 x 2322 mm (40HQ) Pallet: 968 x 1134 x 2063 mm (20' ft & 40' ft) Pallet: 968 x 1134 x 2450 mm (40HQ)	Slip Sheet: 38.11 x 44.65 x 76.18 inch (20' ft & 40' ft) Slip Sheet: 38.11 x 44.65 x 91.42 inch (40HQ) Pallet: 38.11 x 44.65 x 81.22 inch (20' ft & 40' ft) Pallet: 38.11 x 44.65 x 96.46 inch (40HQ)
	Pallet Total Weight	Slip Sheet: 339.94 kg (20' ft & 40' ft) Slip Sheet: 408.5 kg (40 HQ) Pallet: 354.04 kg (20' ft & 40' ft) Pallet: 421.64 kg (40 HQ)	Slip Sheet: 749.43 lbs (20' ft & 40' ft) Slip Sheet: 900.59 lbs (40 HQ) Pallet: 780.53 lbs (20' ft & 40' ft) Pallet: 929.56 lbs (40 HQ)
	Pallet Layers	5 per layer or 6 per layer (slip sheet & pallet)	
	Pallet Product per Layer	16 per layer (slip sheet & pallet)	
	Total Products per Pallet	80 sets or 96 sets per pallet (slip sheet & pallet)	
	Container Load, 20-Foot	960 sets (Slip Sheet and Pallet)	
	Container Load, 40-Foot	1920 sets (Slip Sheet and Pallet)	
	Container Load, 40-Foot HighQ	2304 sets (Slip Sheet and Pallet)	
What's in the box?	AC power cord (1.83m) 5.9ft, HDMI 1.4 cable (1.8m) 5.9 ft, Warranty, Quick Setup Poster		
User Guide and Warranty Languages	User Guide Languages	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	
	Warranty Languages	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)	

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Summary

Change Log			
	V1 to V2		
	V2 to V3		
	V3 to V4		