HP Series 3 Pro FHD Monitor- 324pv

QuickSpecs

Technical Specifications

Panel Specifications	**Display Size (Diagonal)**	60.5 cm (23.8") 60.47 cm (23.8”) VA Flat 100 Hz FHD (1920 x 1080) 8 bit (6 bit + FRC) 16:9 250 nits 3000:1 8M:1 Yes (TÜV certified) 0.2745 x 0.2745 mm 93 PPI Up to 16.7 million colors supported*
	Viewable Diagonal Size	*NumberofcolorsthruA-FRCtechnology.
	Panel Technology	30,000 hours
	Curvature	Edge-lit, WLED
	Max Refresh Rate	Anti-glare
	Native Resolution	3H
	Panel Bit Depth	25%
	Aspect Ratio	5ms GtG (with overdrive)
	Brightness (Typical)	178°
	Display Contrast Ratio (Static)	178°
	Display Contrast Ratio (Dynamic)	52.7 x 29.65 cm
	Flicker Free	20.75 x 11.67 in
	Pixel Pitch	
	Pixels Per Inch (PPI)	
	Display Colors	
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	
	Blacklight Type	
	Screen Treatment	
	Hardness	
	Haze	
	Response Time (Typical)	
	Horizontal Viewing Angle (Typical Cr>10)	
	Vertical Viewing Angle (Typical Cr>10)	
	Panel Active Area Metric (W X H)	
	Panel Active Area Imperial (W X H)	

NOTE: Performancespecificationsrepresent thetypicalspecificationsprovidedbyHP'scomponent manufacturers; actual performance may vary either higher or lower.

Color	**NTSE**	72% RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain Standard (6500K) 3-sided borderless Black Black -5 to +23° 100 mm x 100 mm Standard Security Lock Slot Yes 3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries)
Color Management	**Color Space**	
	RGB Channel Adjust	
	Default Color Temperature	
Monitor Specifications	**Bezel Type**	
	Color Of Stand	
	Color Of Head	
	Tilt	
	Vesa Mounting	
	Security Lock	
	Detachable Stand	
	Warranty	

HP Series 3 Pro FHD Monitor- 324pv

	Low Blue Light	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
	Management Software	HP Client Management Script Library (CMSL)* HP Display Center** *The Client Management ScriptLibrarymust be downloaded to the connected PC to run CMSL commands. Some limitations may apply to legacy displays. Visit support.hp.com to download HP CMSL. ** Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.
On Screen Display (OSD)	**On Screen Display**	Brightness+, Image, Color, Input, Power, Menu, Management, Information, Exit FHD (1920 x 1080)
	Native Resolution	*DisplayPort™1.2 or HDMI1.4 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.
	Maximum Resolution	FHD (1920 x 1080 @ 100 Hz)
	Preset Graphic Modes/Supported Resolutions	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)
	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)

HP Series 3 Pro FHD Monitor- 324pv

Connector Types	**HDMI**	1 HDMI 1.4
	HDCP	Yes, HDMI
	VGA	1 VGA
	Switch	Monitor Power button
Special Features		Next Active Input / Up button Brightness / Down button Information / Left button Color / Right button Menu / Enter button
	User Presets	11(VGA)/18(HDMI)
	Power Supply Power Source	Internal
Power & Operating Specs	**Power Consumption- Max**	100 – 240 VAC 50/60 Hz
	Energy Saving/Stand By Mode	30 W
	Power Consumption - Typical	0.5 W
	Operational Mode at 100 VAC	20 W
	Operational Mode at 115 VAC	14.3 W
	Operational Mode at 230 VAC	14.3 W
Energy Star Data	**On-mode Power Consumption for Standard Dynamic Range (SDR)**	14.3 W
EU Energy Efficiency Class (ErP LOT-5)	**ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)**	14.4 W
EU Energy Efficiency Class (ErP LOT-5)		
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
	Low Halogen Agency Approvals and Certifications	Yes
Certifications and Compliances		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

HP Series 3 Pro FHD Monitor- 324pv

		/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 standards. Google is not responsible for the operation of this product or its compliance with safety requirements. Chromebook and the Works With Chromebook badge are trademarks of Google LLC.
	Microsoft WHQL Certification	Windows 11, Windows 10
	ENERGY STAR® Certified	Yes
	EPEAT® Registered	EPEAT® Gold in United States*
	Regions need to verify by country	*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
	China Energy Label	CEL Grade 2
	TCO Certified Edge	Yes Yes
	TCO Certified	
	SmartWay Transport Partnership - NA only	Yes (NA sku)
	Contains Recycled Plastics	
Contains Recycled Plastics		85% ITE-derived closed loop plastic* *ITE Derived Closed Loop Plastic percentage is based on the definitionset inthe IEEE 1680.1-2018standard.
	Recyclable Packaging (Box, packing materials)	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.

		Metric	**Imperial**
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	53.89 x 18.05 x 39.79 cm	21.22 x 7.11 x 15.67in
	Product Dimensions (Packed) (W x D x H)	59.5 x 12.4 x 39.1 cm	23.43 x 4.88 x 15.39 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	53.89 x 5.143 x 32.36 cm	21.22 x 2.02 x 12.74 in
	Base Area Footprint (w x d mm)	174 x 170 mm	6.85 x 6.69 in
	Bezel Measurements	Top: 1.5 cm Sides: 1.5 cm Bottom: 20.2 cm	Top: 0.06 in Sides: 0.06 in Bottom: 0.8 in

HP Series 3 Pro FHD Monitor- 324pv

Pallet Information	**Product Weight** (Unpacked with stand)	3.56 kg 5.54 kg 3.17 kg	7.84 lb
	Product Weight (Packed)		12.22 lb
	Product Weight (Head Only)		6.99 lb
	Pallet Dimensions (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 x77.44 inch (20 ft &40 ft) Slip Sheet: 47.24 x 39.37 x 92.83 inch (40 HQ) Pallet: 47.24 x39.37 x 82.68 inch (20 ft & 40 ft) Pallet: 47.24 x 39.37 x 98.19 inch (40 HQ)
	Pallet Total Weight	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)
	Pallet Layers	5 (20ft/40ft slip sheet & pallet) 6 (40ft HQ slip sheet & pallet)	
	Pallet Product per Layer	16 (slip sheet & pallet)	
	Total Products per Pallet	80 (20ft/40ft slip sheet & pallet) 96 (40ft HQ slip sheet & pallet)	
	Container Load, 20-Foot	800 sets (Slip Sheet and Pallet)	
	Container Load, 40-Foot	1680 sets (Slip Sheet and Pallet)	
	Container Load, 40-Foot HighQ	2016 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 Quick Setup Poster Warranty		
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),	

HP Series 3 Pro FHD Monitor- 324pv

Front

1. Power Button
2. PowerLED

Back

1. Joypad OSD button
2. Security Cable Slot
3. Power Connector
4. HDMI 1.4 Port
5. VGA Port

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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Change Log

December 17, 2024	V1 to V2	Updated	HP Client Management Script Library (CMSL) Footnote
	V2 to V3		
	V3 to V4		

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