

Technical Specifications

HP P24a G5 FHD Monitor



Front

- | | |
|-----------------|--------------|
| 1. OSD Buttons | 3. Power LED |
| 2. Power Button | |

Technical Specifications

HP P24a G5 FHD Monitor



1. Power Connector
2. DisplayPort™ Connector
3. HDMI Port
4. VGA Port

Back

5. USB-B Port
6. USB-A Ports (2)
7. USB-A Ports (2)
8. Security Cable Slot

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Model: 8D5J5AA

Panel Specifications	Display Size (Diagonal)	23.8 inch (60.45 cm)
	Panel Technology	IPS
	Max Refresh Rate	75 Hz
	Native Resolution	1920 x 1080
	Panel Bit Depth	8 bit (6 bit + FRC)
	Aspect Ratio	16:9
	Brightness (Typical)	250 nits
	Display Contrast Ratio (Static)	1000:1
	Dynamic Contrast Ratio	1000000 :1
	Flicker Free	Yes
	Pixel Pitch	0.275 mm x 0.275 (mm)
	Pixels Per Inch (PPI)	93 PPI
	Display colors	Up to 16.7 million colors supported* <i>*Number of colors through A-FRC technology.</i>
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	30K
	Backlight Type	Edge-lit
	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°
Color	Panel Active Area Metric (W x H)	52.70 x 29.64 cm
	Panel Active Area Imperial (W x H)	20.75x 11.67 inch
	NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	
Color Management	NTSC	72%
	Color Space/ Subsampling Support	YCBCR 4:4:4, YCBCR 4:2:2
	RGB Channel Adjust	Yes, Gain
Monitor Specifications	Default Color Temperature	Standard (6500K)
	Bezel Type	3-sided micro-edge
	Color of Stand	Black
	Color of Head	Black
	Tilt	-5 to +23°
	Pivot	±90
	Height Adjustment Range	100 mm
	VESA Mounting	100 mm x 100 mm
	Security Lock	Standard Security Lock Slot
	Detachable Stand	Yes
	Warranty	3/3/0
	Low Blue Light	Yes (TÜV certified)
	Management Software	HP Display Center

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On Screen Display (OSD)	On Screen Display	Brightness+, Color, Image, Input, Power, Menu, Management, Information, Exit
	Native Resolution	1920 x 1080 @ 60 Hz* <i>*DisplayPort 1.2 or HDMI 1.4 required to drive panel at its native resolution</i>
	Maximum Resolution	FHD (1920 x 1080 @ 75 Hz)
	Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60Hz, 640 x 480 @ 75Hz, 720 x 400 @ 70 Hz, 720 x 480 @ 60 Hz, 800 x 600 @ 60 Hz, 800 x 600 @ 75 Hz, 1024 x 768 @ 60 Hz, 1024 x 768 @ 75 Hz, 1280 x 720 @ 60 Hz, 1280 x 800 @ 60 Hz , 1280 x 1024 @ 60 Hz, 1280 x 1024 @ 75 Hz, 1440 x 900 @ 60 Hz, 1600 x 900 @ 60 Hz, 1680 x 1050 @ 60 Hz, 1920 x 1080 @ 50 Hz 1920 x 1080 @ 60 Hz 1920 x 1080 @ 75 Hz
	Minimum Vertical Scan Rate	50 Hz
	Maximum Vertical Scan Rate	75 Hz
	Minimum Horizontal Scan Rate	30 Khz
	Maximum Horizontal Scan Rate	80 Khz
	Maximum Pixel Clock	180 MHz
	User Programmable Modes	Yes. 10
	User-Assignable Function Buttons	Yes, 3 (6 options)
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	DisplayPort™	1 DisplayPort™ 1.2
	HDMI	1 HDMI 1.4
	HDCP	Yes, DisplayPort™ and HDMI
	USB- A	4 SuperSpeed USB Type-A 5Gbps signaling rate
	USB-B (Hub enablement)	1 USB-B
	VGA	1 VGA
Special Features	Switch	Menu/OK, Minus("-")/Brightness, Plus ("+"),/Color/Auto-Adjustment, Next Active Input, Power
	User Presets	12
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz

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	Power Consumption- Max	54 W
	Energy Saving/Stand By Mode	0.5 W
	Power Consumption- Typical	16 W
Energy Star Data	Operational Mode at 100 VAC	14.5 W
	Operational Mode at 115 VAC	14.3 W
	Operational Mode at 230 VAC	14.5 W
EU Energy Efficiency Class (ErP LOT-5)	On-mode Power Consumption for Standard Dynamic Range (SDR)	17
	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	–20° – 60°C
	Non-Operating Temperature - Fahrenheit	–4° – 140°F
	Operating Humidity	20 – 80% Relative Humidity (non-condensing)
	Non-operating Humidity	5 – 95%
	Operating Altitude metric	0 – 5,000 m (16,400 ft.)
	Non-operating Altitude metric	0 – 12.192 m (40,000 ft.)
Certifications and Compliances	Low Halogen	Yes, GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC). <i>* External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.</i>
	Agency Approvals and Certifications	CB/ TCO /CE/TUV Low blue light/Flick free /Brazil INMETRO
	Microsoft WHQL Certification	Win 11, Win 10
	ENERGY STAR® Certified	Yes
	EPEAT®	EPEAT® Registered* <i>*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit http://www.epeat.net for more information.</i>
	TCO Certified	Yes
Contains Recycled Plastics	Contains Recycled Plastics	80%post-consumer recycled plastic with stand* <i>*Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.</i>
	Recyclable Packaging (Box, packing materials)	Outer box is 100% sustainably sourced* <i>*100% outer box packaging made from sustainably sourced certified and recycled fibers.</i>

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		<u>Metric</u>	<u>Imperial</u>
Unit Product/Package Specifications	Product Dimensions (Unpacked with stand) (W x D x H)	54 x 21.15 x 46.39 cm	21.26 x 8.33 x 18.26 in
	Product Dimensions (Packed) (W x D x H)	59.8 x 38.8 x 22.2 cm	23.54 x 15.28 x 8.74 in
	Display Head Dimensions (Packed) (W x D x H)	54 x 6.02x 32.33 cm	21.26 x 2.37x 12.73 in
	Base Area Footprint (w x d mm)	214.5 x 211.5 mm	8.44 x 8.33 in
	Bezel Measurements - Metric	Bottom 19.3 mm	Bottom: 0.76 inch
	Product Weight (Unpacked with stand)	5.6 kg	12.32 lb
	Product Weight (Packed)	7.8 kg	17.16 lb
	Product Weight (Head Only)	3.4 kg	7.48 lb
Pallet Information	Pallet Dimensions (L x W x H mm)	Pallet: 1200 x 1000 x 2153 mm (40' ft)	Pallet: 47.24 x 39.37 x 84.76 inch (40' ft)
	Pallet Total Weight	Pallet: 363.1 kg (40' ft)	Pallet: 798.82 (40' ft)
	Pallet Layers	9 layers per pallet-WW	
	Pallet Product per Layer	5 per layer (slip sheet & pallet)-WW	
	Total Products per Pallet	45 sets (slip sheet & pallet)-WW	
What's in the box?	AC power cord (1.83m) 5.9ft, HDMI 1.4 cable (1.8m) 5.9 ft USB 3.0 A-B cable (1.8m) DP 1.2 cable (1.8m) Doc kit		
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),	

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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

	V1 to V2		