Technical Specifications

HP P27v G4 FHD Monitor



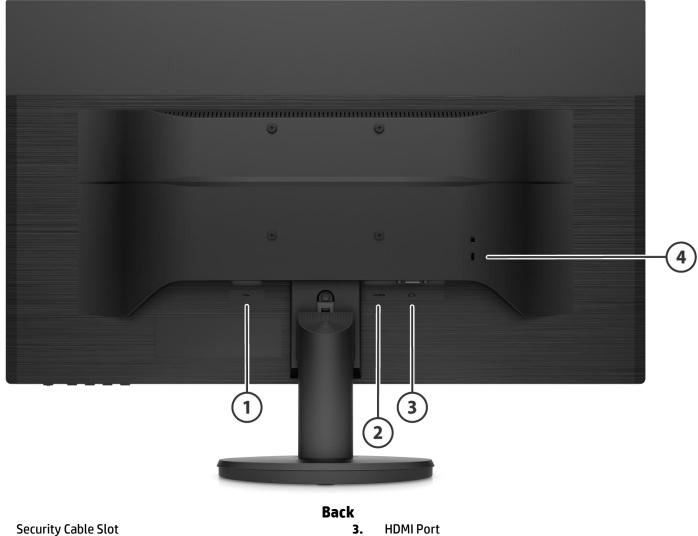
- Front
 - 2. Power Button (With power light)

1.

OSD Buttons

Technical Specifications

HP P22v G4 FHD Monitor THOR



1. 2. **Power Connector**

- 3. **HDMI** Port
- 4. **VGA** Connector



Technical Specifications

Models: 9TT20AA, 9TT20A6, 9TT20A7, 9TT20AS, 9TT20AT

Panel Specifications	Display Size (Diagonal)	27-inch
	Panel Technology	IPS
	Curved Panel	No
	Refresh Rate	60 Hz
	Panel Bit Depth	8 bit
	Aspect Ratio	16:9
	Brightness - Typical	300 cd/m ²
	Static Contrast Ratio	1000:1
	Static Contrast Ratio - Minimum	700:1
	Dynamic Contrast Ratio	8M:1 (min.)
	Flicker Free	Yes
	Pixel Pitch	0.3114 x 0.3114 mm
	Pixels Per Inch (PPI)	81.59
	Backlight Lamp Life	30 k minimum
	(to half brightness - in hours)	
	Backlight Type	Edge-lit
	Screen Treatment	Anti-glare
	Hardness	ЗН
	Haze	25%
	Response Time - Typical	5ms on/off
	Horizontal Viewing Angle	178°
	(typical CR>10)	
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area (w x h)	597.888 x 336.312 mm
	NOTE: Performance specifications represent th manufacturers; actual performance may vary e	e typical specifications provided by HP's component ither higher or lower
		-
Color Gamut Coverage	NTSC	72%
-		-
Color Gamut Coverage Color Management	NTSC Calibrated Color Presets	72% Native
-	NTSC Calibrated Color Presets Color Space / Subsampling Support	72%
-	NTSC Calibrated Color Presets	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
-	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain
-	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No
-	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No No
-	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No Neutral (6500K) 3-sided Micro Edge
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No Neutral (6500K) 3-sided Micro Edge Black Head
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20°
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel Pivot	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel No Pivot
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel Pivot Height Adjustment Range	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel No Pivot No height adjust
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel Pivot Height Adjustment Range VESA Mounting	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel No Pivot
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel Pivot Height Adjustment Range VESA Mounting Integrated Privacy Filter	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel No Pivot No height adjust 100 mm x 100 mm (bracket included) No
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel Pivot Height Adjustment Range VESA Mounting	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel No Pivot No Pivot No height adjust 100 mm x 100 mm (bracket included)
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel Pivot Height Adjustment Range VESA Mounting Integrated Privacy Filter Security Lock Ready	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel No Pivot No height adjust 100 mm x 100 mm (bracket included) No Standard Security Lock Slot
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel Pivot Height Adjustment Range VESA Mounting Integrated Privacy Filter Security Lock Ready Detachable Stand	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel No Pivot No height adjust 100 mm x 100 mm (bracket included) No Standard Security Lock Slot Yes
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel Pivot Height Adjustment Range VESA Mounting Integrated Privacy Filter Security Lock Ready Detachable Stand	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel No Pivot No height adjust 100 mm x 100 mm (bracket included) No Standard Security Lock Slot Yes 3/3/0: AMS; EMEA; APJ-TW, ANZ, JPN, VIET, THAI
Color Management	NTSC Calibrated Color Presets Color Space / Subsampling Support RGB Channel Adjust Integrated Calibration Instrument Standalone / Schedule Calibration Scriptable Calibration Default Color Temperature Bezel Color Tilt Swivel Pivot Height Adjustment Range VESA Mounting Integrated Privacy Filter Security Lock Ready Detachable Stand Warranty (number of years)	72% Native RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 Yes, Gain No No No No Neutral (6500K) 3-sided Micro Edge Black Head -5 to +20° No Swivel No Pivot No height adjust 100 mm x 100 mm (bracket included) No Standard Security Lock Slot Yes 3/3/0: AMS; EMEA; APJ-TW, ANZ, JPN, VIET, THAI 3/3/3: APJ-PRC, INDIA



Technical Specifications

	Touch-Enabled	Not touch-enabled
Multimedia	Webcam	No integrated webcam
	Windows Hello Compatible	No
	Microphone	No Microphone
On Screen Display (OSD)	Native Resolution	Full HD (1920 x 1080)*
		*Apply to high resolution and/or high frame rate displays only.
		CONFIRM WITH EPM whether disclaimer applies.
	Maximum Resolution	1920 x1080 @ 60Hz
	Preset Graphic Modes/Supported	11
	Resolutions	
	Minimum Vertical Scan Rate	50 Hz
	Maximum Vertical Scan Rate	60 Hz
	Minimum Horizontal Scan Rate	30.0 kHz
	Maximum Horizontal Scan Rate	80.0 kHz
	Maximum pixel clock	170 MHz
	User Programmable Modes	10
	User-Assignable Function Buttons	Yes, 3 buttons
	Audio	No
	Languages	10 (English, Spanish, German, French, Italian, Netherlands,
		Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	НДМІ	1 HDMI 1.4
	VGA	1 VGA
Power & Operating	Power Supply	Internal
Specs	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption - Maximum	32 W
	Energy Saving/Standby Mode	0.5 W
	Power Consumption - Typical	28 W
	Power cable lenght	1.9m
		-
Energy Star Data	Operational Mode at 100 VAC	14.92 W
	Operational Mode at 115 VAC	14.74 W
	Operational Mode at 230 VAC	14.74 W
EU Energy Efficiency	On-mode Power Consumption	22 W
Class (EC1062)	(EC 1062/2010)	
	Annual Power Consumption	32 kWh
	(EC 1062/2010)	A .
	Energy Efficiency Class (EC 1062/2010)	A+
Operating Conditions	Operating Temperature - Celsius	5° – 35°C
	Operating Temperature - Fahrenheit	41° – 95°F
	Non-operating Temperature - Celsius	-20° - 60°C
	Non-operating Temperature -	-4° – 140°F
	Fahrenheit	
	Operating Humidity	20 – 80% Relative Humidity (non-condensing)
	Non-operating Humidity	5-95%
	Operating Altitude	0 – 5,000 m (16,400 ft.)
	Non-operating Altitude	0 – 12,192 m (40,000 ft.)
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Technical Specifications					
Environmental Features and Certifications	Mercury-free LED display backlighting Arsenic-Free Display Glass	Yes, Mercury-free LED backlights Yes			
	Agency Approvals and Certifications	WW application CE,CB,KC/KCC/e-standby/BIS/ICE/TUV-Bauart/ISO 9241- 307/EUP Lot5/EUP Lot6/cTUVus/CCC/CEL/CECP/SEPA/TCO/Energy Star/PSB/ISC/EAC/UkrSEPRO/Mexico MEPS/NOM-NYCE/Low Blue Light/VCCI/FCC/C-tick/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/South Africa MEPS/Ukraine Energy label/CEC/TGM/WEEE/Japan PC Green Label			
	Microsoft WHQL Certification	Win 10, Win 8, Win 7			
	ENERGY STAR [®] Certified	Yes			
	EPEAT [®] Registered	Yes Based on US EPEAT® registrati	on according to IEEE 1680.1-2018 try. Visit www.epeat.net for more		
	China Energy Label	CEL Grade 2			
	TCO Certified	Yes			
	SmartWay Transport Partnership -NA only	Yes (NA sku)			
Recycled Plastics	Contains Recycled Plastics	35% recycled ABS			
	Rus duct Dimensions	<u>Metric</u>	<u>Imperial</u>		
Unit Product/Package Specifications	Product Dimensions (Unpacked with stand) (W x D x H)	61.22 x 20.01 x 44.77 cm	24.1 x 7.9 x 17.6 in		
	Product Dimensions (Packed) (W x D x H)	67.5 x 12.8 x 42.5 cm	26.57 x 5.04 x 16.73 in		
	Display Head Dimensions (Unpacked without stand) (W x D x H)	61.22 x 4.77 x 36.77 cm	24.1 x 1.87 x 14.47 in		
	Base Area Footprint (w x d mm)	200 x 200.11 mm	78.74 x 78.78 in		
	Bezel Measurements	bottom 22.82 mm	bottom 0.9 in		
	Product Weight (Unpacked with stand)	4.5 kg	9.9 lb		
	Product Weight (Packed)	5.7 kg	12.5 lb		
	Product Weight (Head Only)	4 kg	8.8 lb		
What's in the box?	AC power cord VGA cable (1.5m) DOC Kit (includes Product Notice, warranty)	1			
User Guide and Warranty Languages	User Guide Languages	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish			
	Warranty Languages	English, Arabic, S. Chinese,	nan, Greek, Hungarian, Italian,		

Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian

Technical Specifications

Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.

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HP P22v G4 FHD Monitor

Summary

Change	Log
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change Log			
\	/1 to V2		