

Technical Specifications

HP DreamColor Z27x G2 Studio Display

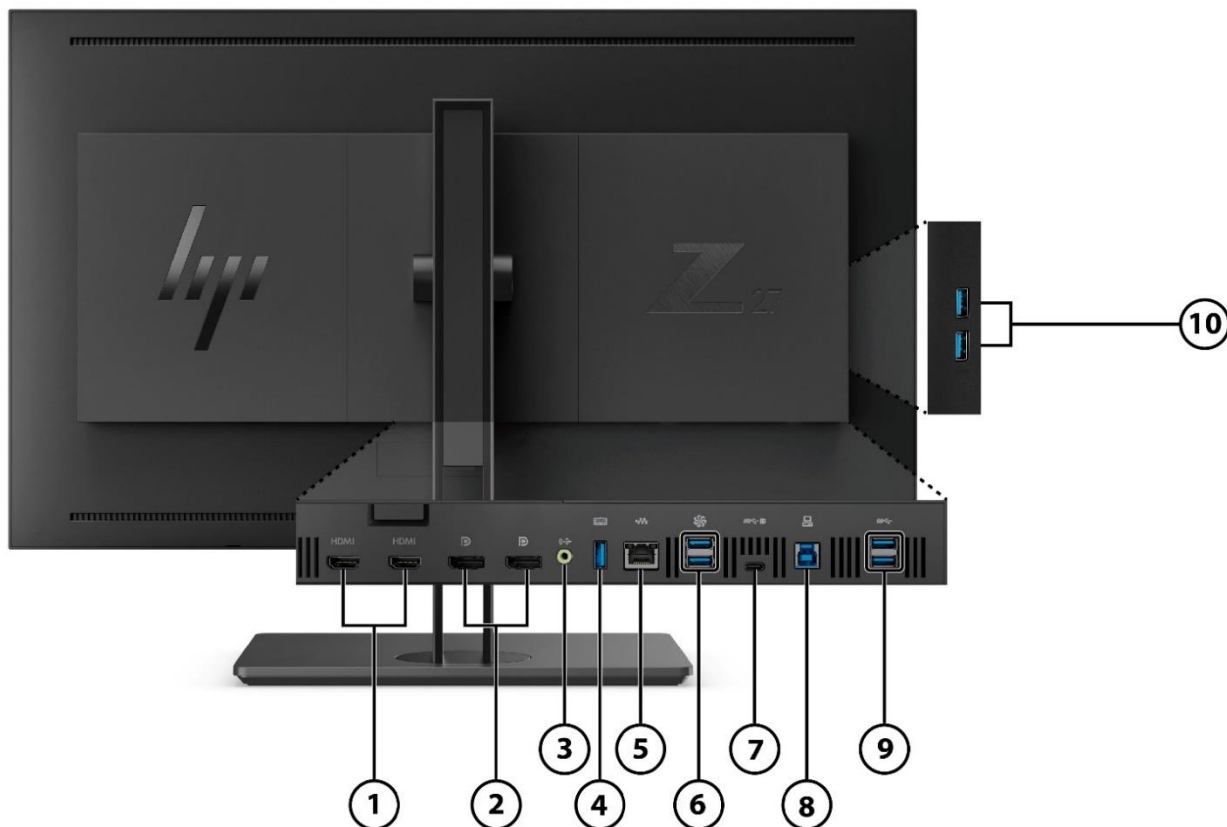


Front

- | | |
|------------------------|------------------------|
| 1. Power | 4. Luminance |
| 2. Open menu | 5. Video input |
| 3. Display info | 6. Color preset |

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HP DreamColor Z27x G2 Studio Display



Rear

- | | |
|---|--------------------------------------|
| 1. (2) HDMI 2.0 | 6. (2) DreamColor Ports (USB) |
| 2. (2) DisplayPort™ 1.2 | 7. USB Type-C™ |
| 3. Audio out (analog) | 8. USB 3.0 Type-B |
| 4. KVM Keyboard Connection (USB) | 9. (2) USB 3.0 Type-A |
| 5. RJ-45 Network Connector | 10. (2) USB 3.0 |

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Model: 2NJ08A4

Panel Specifications*	Display Size	27-inch, 68,5 cm
	Display Panel Type	High Performance IPS
	Native Resolution/Timing	2560 × 1440 @ 60 Hz
	NOTE:	The video card of the connected PC must be capable of supporting 2560 × 1440 at 60 Hz with 10-bit color using one DP, HDMI, or USB-C (DP alt mode).
	Panel Bit Depth	10-bit (Up to 1.07 Billion colors)
	Aspect Ratio	16:9
	Brightness - Typical	250 cd/m ² (calibrated)
	Static Contrast Ratio - Typical	1500:1
	Static Contrast Ratio - Minimum	1000:1
	Flicker Free	Yes
	Pixel Pitch	0.2331 × 0.2331 mm
	Pixels Per Inch (PPI)	109
	Backlight Lamp Life (to half brightness - in hours)	30,000 hours minimum
	Anti-Glare Panel	Yes
	Response Time – Typical	10.2 ms (gray-to-gray)
	Horizontal Viewing Angle (typical CR>10)	178°
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area (w x h)	596.736 x 335.664 mm
	Preset Graphic Modes/Supported Resolutions	640 × 480 @ 60 Hz 720 × 400 @ 70 Hz 800 × 600 @ 60.317 Hz 1024 × 768 @ 60.004 Hz 1280 × 720 @ 24 Hz 1280 × 720 @ 30 Hz 1280 × 720 @ 50 Hz 1280 × 720 @ 60 Hz 1280 × 1024 @ 60.020 Hz 1366 × 768 @ 60.000 Hz 1920 × 1080 @ 23.976 Hz 1920 × 1080 @ 24 Hz 1920 × 1080 @ 30 Hz 1920 × 1080 @ 50(i) Hz 1920 × 1080 @ 50 Hz 1920 × 1080 @ 59.94(i) Hz 1920 × 1080 @ 59.94 Hz 1920 × 1080 @ 60.000 Hz 1920 × 1200 @ 59.950 Hz 1920 × 1200 @ 59.995 Hz 2048 × 1080 @ 24.000 Hz 2048 × 1080 @ 48.000 Hz 2048 × 1080 @ 60.000 Hz 2560 × 1440 @ 48.000 Hz 2560 × 1440 @ 49.951 Hz 2560 × 1440 @ 50.000 Hz

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Maximum Resolution	2560 × 1440 @ 60 Hz
Recommended Resolution	2560 × 1440 @ 60 Hz
Vertical Scan Range	24 – 60 Hz
Horizontal Scan Range	27 – 90 Hz
Default Color Temperature	D65 (6504K)
Maximum Pixel Clock Speed	250 MHz

*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

Color Gamut Coverage (typical)	sRGB	100%
	Adobe RGB	99%
	BT.709	100%
	DCI-P3	98%
Color Management	Factory Color Calibrated	Yes
	Factory Color Presets	DCI P3 D65, BT.709, BT.2020, sRGB D65, sRGB D50, Adobe RGB D65, Adobe RGB D50, Native
	Color Space / Subsampling Support	RGB 4:4:4, YC _B C _R 4:4:4, YC _B C _R 4:2:2, YC _B C _R 4:2:0
	Default Color Temperature	D65
	Low Blue Light Modes	Yes
	RGB Channel Adjust	Yes, Setup and Gain, downstream from color preset
	User Calibration Support	Integrated
	Integrated Calibration Instrument	Yes
	External Calibration Instrument Support	X-Rite i1Display Pro X-Rite i1 Pro Klein K10-A Photo Research PR-6xx/7xx Colorimetry Research CR-100/CR-250 Konica Minolta CA-310
	Standalone / Schedulable Calibration	Yes
Scriptable Calibration	Yes	
Monitor Specifications	Exterior Color of Monitor Bezel and Stand	Black
	Plug & Play	Yes
	Tilt	-5° to +20°
	Swivel	-45° to +45°
	Height Adjustment Range	Yes, 81-201 mm (Tilt 20°)
	VESA Mounting	Yes, 100mm integrated
	Security Lock Ready	Yes
	Detachable Base	Yes, ships detached
	Warranty	3 years
	Zero Bright Dot Warranty	Yes

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Multimedia	Audio System	Analog audio output connector
On Screen Display (OSD)	On Screen Display User Controls	Color settings, Video input, Image scaling, Markers, Digital cinema region, PIP/Split, User preset, Calibration, Language, Management, Menu and message control, Information
	User Programmable Modes	Yes, 20
	Monitor Control Buttons or Switches	Power, 5 OSD buttons
	User-Assignable Function Buttons	Yes, 4 (19 options)
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	DisplayPort™	2, DisplayPort™ 1.2
	HDMI	2, HDMI 2.0
	USB Type-C™	1, USB 3.1 Input, DP Alt-mode, 15W Power Delivery
	HDCP support	Yes, All Inputs
	Audio Output	1, Analog
	Ethernet	Yes
USB Port Specifications	USB Version	3.0
	USB Hub	Yes
	Downstream Ports	4, Type-A
	Upstream Ports	1, Type B or 1, Type C
	Fast Charging USB Ports	2 Ports (side)
	HP DreamColor USB Ports	2, USB 3.0
	KVM Keyboard Port	Yes
	Power Output Maximum	Fast Charging: 12.5 W Standard: 4.75 W
USB-Type C™ Port Specifications	USB-Type C™ Version	USB 3.1 Gen1 / 5G bps
	USB-Type C™ Hub	No (USB-C™ can provide upstream to USB Type-A Hub)
	Downstream USB-Type C™ Ports	0
	Upstream USB-Type C™ Ports	1
	Video Support	USB-C Alt mode – DisplayPort™ 1.2
	Power Output	5V, 3A
	Power Output Maximum	15W Max

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Special Features	Picture-in-Picture, Picture-by-Picture	Yes
	KVM Switch	Yes, Keyboard/OSD-control
	Remote Manageability	Yes, Web Dashboard, Host API, WS-Management
	User Presets	Yes
	Digital Cinema Region Masking	Yes
	Marker Overlays	Yes, preset and programmable
	Video legal limiting (64–960)	Yes, all inputs
	Rename Video Inputs	Yes
	User Updateable Firmware	Yes
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption - Maximum	160W
	Energy Saving/Standby Mode	0.5W
	Power Consumption - Typical	65 W
	Power cable length	(1.9m) 6.2 ft
Eu Energy Efficiency Class (ERP Lot-5)	On-mode Power Consumption	44W
	Annual Power Consumption	64 kWh
	Energy Efficiency Class	G
	Visible Screen Size	27-inch, 68,5 cm
Operating Conditions	Operating Temperature - Celsius	5°C – 35°C
	Operating Temperature - Fahrenheit	41°C – 95°F
	Non-operating Temperature - Celsius	–20° – 60°C
	Non-operating Temperature - Fahrenheit	29° – 140°F
	Operating Humidity	20% – 80% (non-condensing)
	Non-operating Humidity	5% – 95%
	Operating Altitude	1 – 5,000 m (16,400 ft.)
Non-operating Altitude	1 – 12.192 m (40,000 ft.)	
Environmental Features and Certifications	Mercury-free LED display backlighting	Yes, Mercury-free LED backlighting
	Arsenic-Free Display Glass	Yes
	Agency Approvals and Certifications	WW application CEL/ EUP Lot-6/CE/CB/TUV GS/TUV ERGO/ISO 9241-307/CSA/FCC/ KC/KCC/E-STAND BY/VCCI/CCC/BSMI
	Microsoft WHQL Certification	Win 10
	China Energy Label	CEL Grade 3
	SmartWay Transport Partnership - NA only	Yes (NA SKU)

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Unit Product/Package Specifications	Product Dimensions Unpacked with stand (W x D x H)	64.21 x 24.80 x 57.28 cm	25.28 x 9.76 x 22.55 in	
	Product Dimensions Packed (W x D x H)	78.4 x 38.0 x 49.4 cm	30.87 x 14.96 x 19.45 in	
	Display Head Dimensions Unpacked without stand (W x D x H)	64.21 x 8.25 x 38.21 cm	25.28 x 3.25 x 15.04 in	
	Base Area Footprint	299.99 x 247.99 mm	11.81 x 9.76 in	
	Bezel Measurements	top 22 mm		top 0.87 in
		sides 21.5 mm		sides 0.85 in
		bottom 22 mm		bottom 0.87 in
	Product Weight Unpacked with stand	12.1 Kg		26.6 lb
	Product Weight Packed	16.0 kg		35.27 lb
	Product Weight (Head Only)	7.40 kg		16.30 lb
Pallet Information	Pallet Dimensions (W x D x H)	1140x784x120 mm	44.9x30.9x4.7 inch	
	Pallet Total Weight	204.4 kg	450.7 lbs	
	Pallet Layers	4		
	Pallet Product per Layer	3		
	Total Products per Pallet	12		
	Container Load, 20-Foot	Pallet:168 Slipsheet:168		
	Container Load, 40-Foot	Pallet:360 Slipsheet:360		
	Container Load, 40-Foot HighQ	Pallet:360 Slipsheet:450		
What's in the box?	Documentation	AC power cord (1.9m) 6.2 ft DisplayPort™ Cable (1.8m) 5.9 ft HDMI cable (1.8m) 5.9 ft USB Type-C to C cable (1.8m) 5.9 ft USB Type-C to A cable (1.8m) 5.9 ft USB Type-B to A cable (1.8m) 5.9 ft CD (includes U.G., warranty, drivers, Calibration report)		
	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.		
Other	Warranty 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.		
Service and Warranty	Protected by HP, including a 3-year standard limited warranty. Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties. ¹			

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