Technical Specifications

HP DreamColor Z27x G2 Studio Display

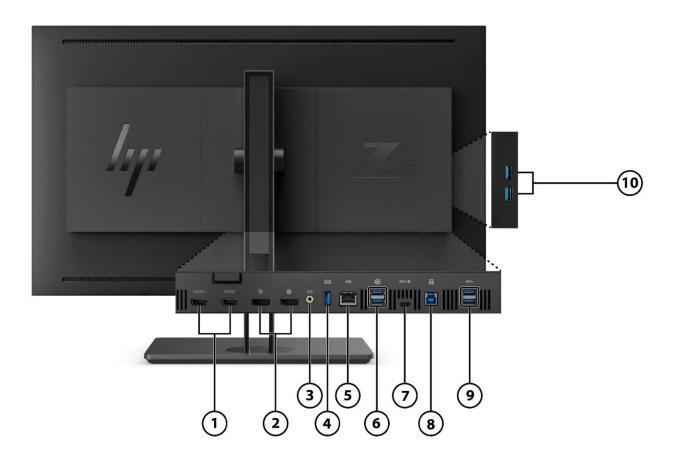


Front

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

Technical Specifications

HP DreamColor Z27x G2 Studio Display



Rear

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

Technical Specifications

Model: 2NJ08A4

Panel Specifications*

Display Size27-inch, 68,5 cmDisplay Panel TypeHigh Performance IPSNative Resolution/Timing2560 × 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/m² (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 - 30,000 hours minimum

in hours)

Anti-Glare Panel Yes

Response Time – Typical 10.2 ms (gray-to-gray)

Horizontal Viewing Angle 178°

(typical CR>10)

Vertical Viewing Angle (typical CR>10) 178°

 Panel Active Area (w x h)
 596.736 x 335.664 mm

 Preset Graphic Modes/Supported
 640 × 480 @ 60 Hz

 Resolutions
 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 @ 48.000 Hz 2048 × 1080 @ 60.000 Hz 2560 × 1440 @ 48.000 Hz

2560 × 1440 @ 49.951 Hz 2560 × 1440 @ 50.000 Hz

Technical Specifications

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.

100%

Color Gamut Coverage

(typical)

sRGB **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_BC_R 4:4:4, YC_BC_R 4:2:2, YC_BC_R 4:2:0

Default Color Temperature D65 **Low Blue Light Modes**

RGB Channel Adjust Yes, Setup and Gain, downstream from color preset

Yes

Yes

Black

User Calibration Support Integrated

Integrated Calibration Instrument Yes

External Calibration Instrument Support X-Rite i1 Display 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

Scriptable Calibration

Monitor Specifications

Exterior Color of Monitor Bezel and

Stand

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



Technical Specifications

Color settings, Video input, Image scaling, Markers, Digital cinema region, PPF/Split, User preset, Calibration, Language, Management, Menu and message control, Information Ves, 20 Monitor Control Buttons or Switches User-Assignable Function Buttons Languages Languages Power, 5 OSD buttons Ves, 20 Monitor Control Buttons or Switches User-Assignable Function Buttons Ves, 4 (19 options) 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese) Connector Types DisplayPort™ HDM USB Type-C™ HDM USB Type-C™ HDCP support Audio Output Audio Output Audio Output Ethernet USB Port Specifications USB Version USB Hub Ves USB Nowstream Ports USB Hub Ves USB Version USB Hub Ves USB Ves USB Version USB Hub Ves USB Ves USB Sol Ves USB Sol Ves USB Sol Ves USB Sol Ves	Multimedia	Audio System	Analog audio output connector
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Power Output 5V, 3A		Upstream USB-Type C™ Ports	1
·		Video Support	USB-C Alt mode – DisplayPort™ 1.2
Power Output Maximum 15W Max		Power Output	5V, 3A
		Power Output Maximum	15W Max



Technical Specifications

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 - Maximum160WEnergy Saving/Standby Mode0.5WPower Consumption - Typical65 W

Power cable length (1.9m) 6.2 ft

Eu Energy Efficiency Class (ERP Lot-5) On-mode Power Consumption44WAnnual Power Consumption64 kWhEnergy Efficiency ClassG

Visible Screen Size 27-inch, 68,5 cm

Operating Conditions Operating Temperature - Celsius

Operating Temperature - Fahrenheit $41^{\circ}\text{C} - 95^{\circ}\text{F}$ Non-operating Temperature - Celsius $-20^{\circ} - 60^{\circ}\text{C}$ Non-operating Temperature - $29^{\circ} - 140^{\circ}\text{F}$

Fahrenheit

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

Arsenic-Free Display Glass Yes

Agency Approvals and Certifications WW application

CEL/ EUP Lot-6/CE/CB/TUV GS/TUV ERGO/ISO 9241-

Yes, Mercury-free LED backlighting

307/CSA/FCC/ KC/KCC/E-STAND BY/VCCI/CCC/BSMI

Microsoft WHQL Certification Win 10

CEL Grade 3
SmartWay Transport Partnership - NA

only

5°C - 35°C



Technical Specifications

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	
Specifications	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	12.1 Kg	26.6 lb	
	Unpacked with stand Product Weight	_		
	Packed	16.0 kg	35.27 lb	
	Product Weight (Head Only)	7.40 kg	16.30 lb	
Pallet Information	Pallet Dimensions	1140x784x120 mm	44.9x30.9x4.7 inch	
	(W×D×H) Pallet Total Weight	204.4 kg	450.7 lbs	
	Pallet Layers	4	430.7 (63	
	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	t	
		DisplayPort™ Cable (1.8m)	5.9 ft	
		HDMI cable (1.8m) 5.9 ft		
		USB Type-C to C cable (1.8r		
		USB Type-C to A cable (1.8r		
		USB Type-B to A cable (1.8)		
	Harri Cuida Laurana		, drivers, Calibration report)	
	User Guide Languages	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian,		
			Norwegian, Polish, Brazilian	
		-	enian, Spanish, Swedish and	
		Turkish.	inan, spanish, sweatsh and	
Other	Warranty Languages	English, Arabic, S. Chinese,	T. Chinese. Czech. Danish.	
	, , ,	_	man, Greek, Hungarian, Italian,	
			Norwegian, Polish, Brazilian	
		-	enian, Spanish, Swedish and	
		Turkish.		
Service and Warranty	Protected by HP, including a 3-year sta	andard limited warranty. Optional	HP Care Pack Services are	



extended service contracts that extend your protection beyond the standard warranties.¹

Technical Specifications

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Technical Specifications

Change Log					
March 15, 2021	V1 to V2	Update	Energy Efficiency Class		
	V2 to V3				
•					

