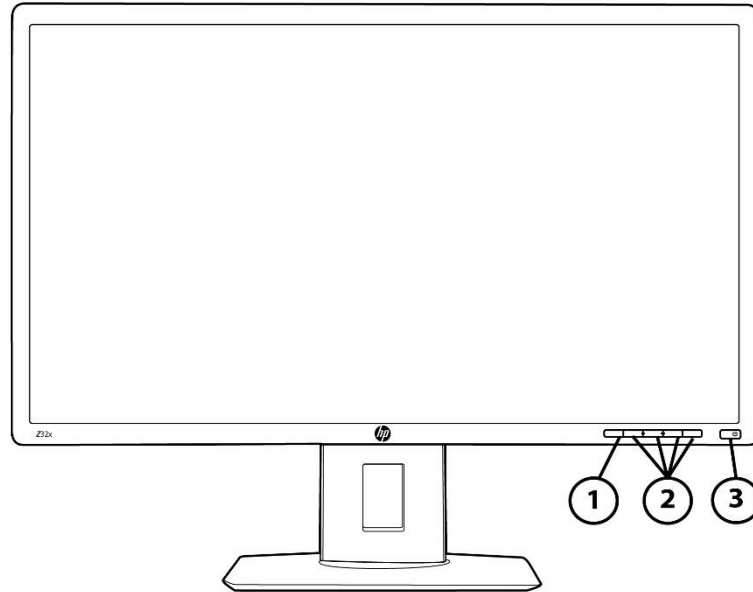
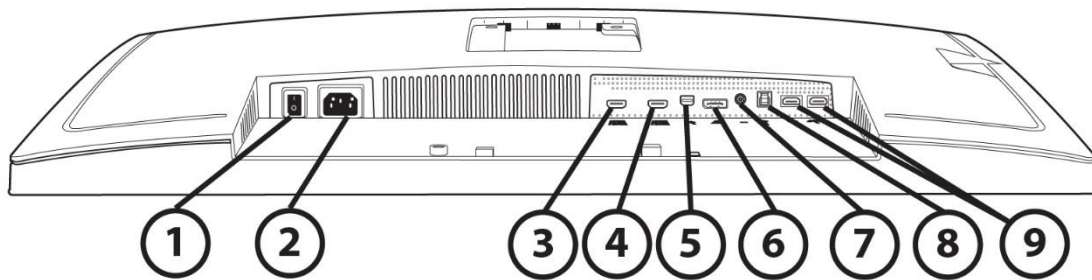


Overview

HP DreamColor Z32x 31.5-inch UHD 4K Display

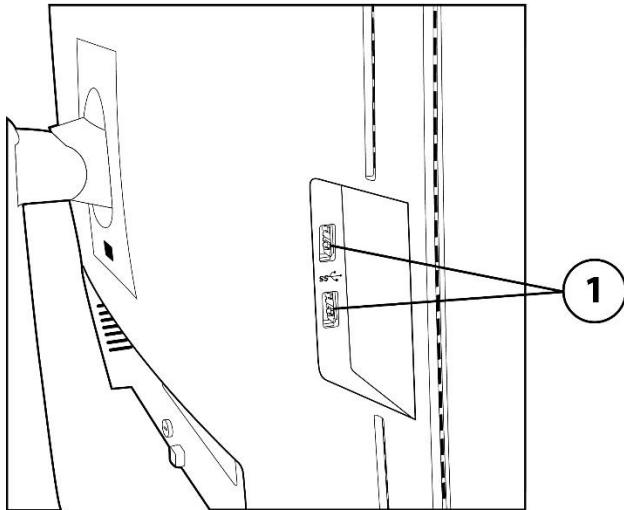


- 1. Menu button
- 2. 4-button dynamic OSD controls
- 3. Power button/LED

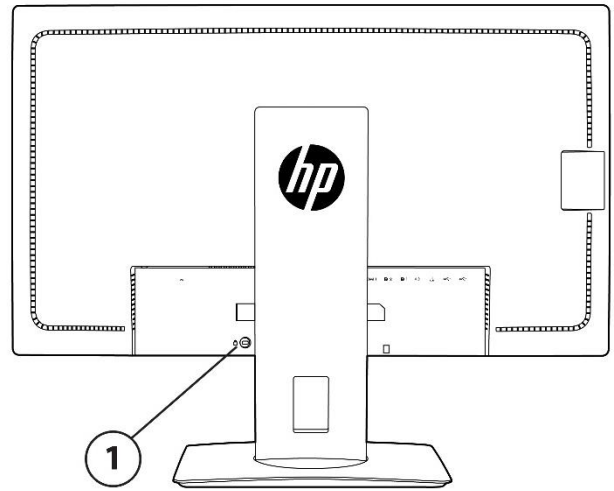


- 1. Master power switch
- 2. Power connector
- 3. HDMI 1.4 input (MHL 2.0)
- 4. HDMI 2.0 input
- 5. Mini-DisplayPort v 1.2 input
- 6. DisplayPort v 1.2 input
- 7. Audio output 3.5 mm
- 8. (1) USB 3.0 upstream port
- 9. (2) USB 3.0 downstream ports (one fast charging)

Overview



1. (2) USB 3.0 downstream ports



1. Security lock slot

Overview

Go big or go home with the HP DreamColor Z32x 31.5-inch UHD Display, which has a staggering 8 million pixels, 4K resolution, and award-winning HP DreamColor technology.

Key features:

- Explore your creativity with 8 million pixels and 4K UHD resolution on an extra-large 31.5-inch diagonal screen.¹
- Get exceptional, consistent 10-bit color precision and out-of-the-box, color-calibrated sRGB, BT709, and Adobe® RGB coverage from HP DreamColor technology.
- Connect to an array of your everyday devices with a range of integrated ports, and view up to four simultaneous feeds with PiP or PnP.
- Work comfortably with customizable tilt, height adjustment, swivel, and pivot settings.
- Design the screen for how you work with HP Display Assistant software.
- Get world-class service and support, and extend your protection with optional HP Care Packs.²
- Reduce power consumption and help lower your costs with an energy-efficient design.

1. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
2. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP Services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

Technical Specifications

Models: M2D46A4

Panel	Type	31.5-inch IPS w/LED backlight
	Viewable Image Area (diagonal)	80 cm (31.5-inch) widescreen; diagonally measured
	Panel Active Area (W × H)	69,69 x 39,2 cm (27.43 × 15.43 in)
	Resolution	3840 x 2160 @ 60 Hz (UHD)
	Aspect Ratio	16:9
	Viewing Angle*	Up to 178° horizontal/178° vertical typical
	Brightness*	300 cd/m ²
	Contrast Ratio (Typical)*	1000:1 Static; 5,000,000:1 Dynamic (DCR)
	Response Times*	8 ms typical (G-to-G)
	Pixel Pitch*	0.182 mm
	Pixels Per Inch (PPI)*	140
	Backlight Lamp Life* (to half brightness)	40,000 hours minimum
	Color Gamut (Typical)*	Adobe RGB
	Color Support*	10-bit color depth
* Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.		
User Controls	Buttons or Switches	Menu + 4 dynamic OSD controls; Power
	User Programmable Modes	20
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	On Screen Display (OSD) User Controls	Luminance, Color Control, Image Control, Input Control, PIP Control, Power Control, OSD Control, Management, Language, Information, Reset
	Picture-in-Picture / Picture-by-Picture	Yes
	Audio Controls	N/A
DreamColor Functions	Color Management Engine	1D LUT → 3×3 matrix → 1D LUT, 14-bit precision, true 10-bit panel capable of 1,024 gray levels per channel, or 1.07 billion colors.
	Factory Calibrated Presets	sRGB, AdobeRGB, BT.709

Technical Specifications

	User Calibration	Can be recalibrated using the HP DreamColor Professional Display Calibration software. X-Rite i1Display and Klein Instruments K-10A instruments supported. Software runs on Windows and OS X.
Signal Interface/ Performance	Horizontal Frequency	24 - 135 kHz
	Vertical Frequency	24 - 60 Hz
	Native Resolution	3840 x 2160 @ 60 Hz (UHD) NOTE: The video card must be capable of supporting 3840 x 2160 – 60Hz to drive the monitor at the Preferred Mode.
	Preset Graphic Modes (non-interlaced)	640 x 480 @ 60Hz 800 x 600 @ 60 Hz 720 x 480 @ 60 Hz 1024 x 768 @ 60 Hz 1280 x 720 @ 60 Hz 1280 x 1024 @ 60 Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1600 x 1200 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60 Hz 1920 x 1200 @ 60 Hz 3840 x 2160 @ 24 Hz 3840 x 2160 @ 30 Hz 3840 x 2160 @ 60 Hz
	Maximum Pixel Clock Speed	600 MHz
	Anti-Glare	Yes
Video/Other Inputs	Plug and Play	Yes
	Input/Output Connectors	(1) HDMI 2.0, (1) HDMI 1.4/ MHL 2.0 ¹ (1) DisplayPort 1.2, (1) Mini-DisplayPort HDCP support on all inputs
	USB	Integrated USB 3.0 hub with four downstream connectors (2) side and (2) rear
	Video Cables Included	(1) DisplayPort 1,8 m (5.9 ft) (1) Mini-DisplayPort 1,8 m (5.9 ft) (1) USB 3.0 1,8 m (5.9 ft)
	Audio	(1) Audio output 3.5mm
Multimedia	Speakers	N/A
Power	Power Supply	Internal
	Input Power	90 - 265 VAC at 45 - 63 Hz
	Maximum Power	120 W
	Typical Power	86 W

Technical Specifications

	Energy Saving/ Standby Mode	0.5 W (standby)	
	Power Cable Length	1,8 m (5.9 ft)	
Mechanical	Dimensions (W × D × H)	Unpacked w/stand	73,71 x 24,54 x 61,38 cm (29.0 x 9.7 x 24.2 in)
		Unpacked w/o stand (head only)	73,71 x 7,01 x 43,46 cm (29.0 x 2.8 x 17.1 in)
		Packaged	87,5 x 55,8 x 37 cm (34.4 x 22.0 x 14.6 in)
	Weight	Head Only	7,8 kg (17.16 lb)
		Unpacked	10,8 kg (23.8 lb)
		Packaged	15,5 kg (34.17 lb)
Ergonomic Features	4-Way Comfort Adjust	Easily adjust the display in height, tilt, swivel and pivot for maximum comfort.	
	Integrated Quick Release	Integrated on the stand ⁴	
	Cable Management	Enhanced cable management for easy concealment of power, video and USB cables. Effortless routing of cables through the cable management tunnel at the base of the column.	
	Detachable Stand	Yes, ships detached	
	Height Adjustment	Yes, 130 mm	
	Tilt Range	-5° to + 20° vertical	
	Swivel	Yes, +/- 45°	
	Pivot	Yes, 90°	
Environmental	Temperature - Operating	5° to 35° C (41° to 95° F)	
	Temperature - Non-operating	-20° to 60° C (-4° to 140° F)	
	Humidity - Operating	20% to 80% non-condensing	
	Humidity - Non-operating	5% to 95%, 38.7° C max wet-bulb	
	Altitude - Operating	0 to 5,000 m (0 to 16,404 ft)	
	Altitude - Non-operating	0 to 12,192 m (0 to 40,000 ft)	
	White LED Backlights	Yes	
	CCFL Panel	No	
	Arsenic-Free Display Glass	Yes	
	Low Halogen²	Yes (except cables)	
	Mercury-Free Display Backlighting	Yes	

Technical Specifications

Options	i1Display Pro Calibration System - Part number TBD	The i1Display Pro is an affordable direct-connect measurement instrument for the Z27x, allowing users to quickly and accurately recalibrate their monitor. DCS kit includes calibration software for host-based calibration of the HP Z24x and other HP DreamColor displays and notebooks. With the i1Profiler software (and app) included you can also profile all modern laptop and desktop monitor technologies.
	HP LCD Speaker Bar —Part number NQ576AA	Powered directly by the connected PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP flat panel monitors. Features include dual speakers with full sound range and dual external headphone jacks. Sold separately. For more information, refer to the product's QuickSpecs.
	HP DisplayPort Cable Kit — Part number VN567AA	Connects a DisplayPort connector on an HP Business Desktop computer to a DisplayPort connector on a monitor
	HP Business PC Security Lock Kit — Part number PV606AA	Attaches to the rear of the PC with a six-foot steel cable that can be used to secure a PC or peripherals such as mice, keyboards, monitors or USB security devices to protect them against unauthorized removal by physically connecting the system to an anchor point.
What's in the box?	Monitor and Accessories	HP DreamColor Z32x 31.5-inch UHD 4K Display, AC power cord 1,8 m (5.9 ft), DisplayPort cable 1,8 m (5.9 ft), Mini-DisplayPort cable 1,8 m (5.9 ft), USB 3.0 cable 1,8 m (5.9 ft)
	Documentation	CD documentation kit, factory calibration report
	Software	HP Display Assistant
Other	User Guide Languages	Arabic, Bahasa Indonesia, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French (warranty in French [EU] and Canadian French [NA]), German, Greek, Hebrew, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Iberian Portuguese, Russian, Slovak, Slovenian, Spanish (warranty in Castilian Spanish [EU] and LA Spanish [NA]), Swedish, Turkish
	Warranty Languages	Arabic, Bahasa Indonesia, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French (warranty in French [EU] and Canadian French [NA]), German, Greek, Hebrew, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Iberian Portuguese, Russian, Slovak, Slovenian, Spanish (warranty in Castilian Spanish [EU] and LA Spanish [NA]), Swedish, Turkish
	Color	Black
	VESA Mounting	100 mm VESA mount
	Security Lock-Ready	Yes
	Country of Origin	China

Technical Specifications

Certification and Compliance	CEL Grade 1, CE, CB, KC, KCC, NOM, PSB, ICE, TUV-S, UL-CSA, CCC, CECP, SEPA, EPA, ISC, VCCI, FCC, Taiwan: BSMI, Microsoft WHQL Certification (Windows 8.1, Windows 8, and Windows 7); SmartWay Transport Partnership (NA)
Compatibility	Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.
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. ³

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1. MHL 2.0 port will charge a MHL compatible smart phone and tablet battery. Requires the smart phone or tablet to be enabled for MHL or have an HDMI dongle to connect to the monitor. See your mobile device specifications.
2. Power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
3. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See <http://www.hp.com/go/cpc> for details.
4. The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) for all devices mounted. Because mounting surfaces vary widely and the final mounting method and configuration may vary, mounting fasteners are not supplied (other than the VESA-compliant screws). HP recommends that you consult with a qualified engineering, architectural or construction professional to determine the appropriate type and quantity of mounting fasteners required for your application and to ensure that your mounting solution is properly installed to support applied loads.

Change Log

Change Log			
May 18, 2016	From v1 to v2	Update	Removed ENERGY STAR and EPEAT references
June 6, 2016	From v2 to v3	Update	Removed TCO references