

HP DreamColor Z27x Studio Display



You dream it, we deliver it in breathtakingly accurate color.

Work in brilliant, trusted color and bring your ideas to life with the HP DreamColor Z27x Studio Display, featuring HP's unrivaled integrated calibration engine, 4K¹ input support, and 10-bit color that drives up to 1.07 billion onscreen colors.



Astonishing performance for the color professional

- Consistently deliver rich, accurate colors and ultra-deep blacks with HP's custom-engineered 68,6 cm (27") diagonal DreamColor panel. Get massive 2560 x 1440 resolution and crisp, clear presentation from 1000:1 contrast ratio and high brightness.²

The power tool for your color workflow

- Experience up to 1.07 billion colors with 1,024 tones per channel as the HP DreamColor Engine 2 powers through your 4K content¹ with 10-bit color accuracy and easily handles today's most demanding professional workflows.

Color customization at your fingertips

- Create your own color space with just one-touch with the integrated calibration engine. Enjoy seamless compatibility with a range of professional colorimetric devices, including the optional HP DreamColor Calibration Solution.³

Featuring

- Experience custom-engineered advanced Off-Axis Black technology, second-generation IPS, and digital cinema-class color gamuts.
- Enjoy stunning 10-bit color and 1,024 gray levels per channel—4x greater than standard 8-bit displays—and up to 1.07 B onscreen colors driven by the HP DreamColor Engine 2.
- Get push-button color accuracy out of the box with 7 color space presets or use the integrated calibration engine to create your own.
- Enjoy fast and flexible display calibration and management through two HP DreamColor USB ports.
- Manage and control your fleet of HP Z27x Displays remotely with the integrated Ethernet interface and web server.⁵
- Eliminate distractions and accelerate productivity in low-light environments with the HP Night Vision UI's auto-fade button backlights and four programmable hotkeys.
- Connect your display to a workstation and a range of digital video devices with one HDMI and two DisplayPort inputs and a 4-port USB hub.
- Create a clean, compact all-in-one with the optional HP Thin Client Mount Kit³ and reduce the effects of harsh lighting with the optional HP DreamColor Hood Kit.³
- Be a better consumer with a display that has environmentally responsible components that include low halogens⁶, arsenic-free glass, and mercury-free backlights.

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Specifications Table



Product Number	D7R00A4; D7R00AT
Product Color	Black
Display size (diagonal)	68,6 cm (27")
Viewing Angle	178° horizontal; 178° vertical
Brightness	48 to 250 cd/m ² calibrated ¹
Contrast Ratio	800:1 static ¹
Response Ratio	7 ms gray to gray ¹
Aspect Ratio	16:9
Native Resolution	2560 x 1440
Resolutions Supported	4096 x 2160; 3840 x 2160; 2560 x 1600; 2560 x 1440; 2048 x 1080; 1920 x 1200; 1920 x 1080; 1600 x 1200; 1366 x 768; 1280 x 1024; 1280 x 720; 1024 x 768; 800 x 600; 720 x 576; 720 x 480; 640 x 480
Display Features	Plug and Play; Anti-glare; User programmable; Language selection; On-screen controls; LED Backlights; In plane switching
User Controls	Back; Up (adjusts the settings up); Down (adjusts the settings down); Select; Menu; Power
Input signal	1 HDMI 1.4 (with HDCP support); 2 DisplayPort 1.2 (with HDCP support)
Ports and Connectors	4 USB 3.0 (two side and two rear); 2 USB 2.0 DreamColor ports; 1 analog and digital audio output
Input power	Input voltage: 100 to 240 VAC
Power consumption	Energy Efficiency Class: C; On-mode power consumption: 59 W; Annual energy consumption: 86 kWh; Power consumption (standby): 0,47 W; Power consumption (off-mode): 0,43 W; Power consumption Description: < 110 W (maximum), 65 W (typical), ≤ 1.2 W (standby); Screen resolution: 2560 x 1440
Dimensions with Stand (W x D x H)	64.1 x 24.24 x 42.04 cm
Dimensions without Stand (W x D x H)	64.1 x 6.55 x 37.92 cm
Weight	8.8 kg
Ergonomic features	Tilt: -5 to +20° ; Swivel: ± 45° ; Pivot rotation: 90°
Certification and Compliance	CEL Grade 2; Microsoft WHQL Certification (Windows 8 and Windows 7); CE; CB; KC; KCC; NOM; PSB; ICE; TUV-S; CCC; CEL; SEPA; EPA; ISC; VCCI; FCC; BSMI
Environmental	Arsenic-free display glass; Mercury-free display backlights; Low halogen ²
What's in the box	Monitor; AC power cord; DisplayPort cable; USB cable; HDMI cable; DisplayPort mini cable; DVD documentation kit; Factory calibration report
Warranty	5 years Next Business Day Onsite Support. HP support includes HP 3-year limited warranty plus a 5-year HP Onsite Care Pack support, as of date of purchase of the hardware product. Onsite support is offered if the problem cannot be handled over the phone. Delivery of support services outside of the applicable HP coverage areas may be subject to longer response times.

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Accessories and services (not included)

HP DreamColor Calibration Solution



The HP DreamColor Calibration System (DCS) is an LCD monitor option designed for professional users who require precision color accuracy in their work output. It allows users to quickly and accurately calibrate monitor front-of-screen settings to prevent any drift of critical monitor color or whitepoint settings.

Product number: B1F63AA

HP Dual Output USB Graphics Adapter



Increase screen real estate and productivity with a dual-monitor setup with the HP Dual Output USB Graphics Adapter, featuring DVI-I and DisplayPort outputs to drive displays at high resolutions through a single USB 3.0 B connection to your PC.

Product number: C5U89AA

HP Thin Client Mount Kit



Attach your HP Thin Client or USDT PC to the back of select HP Z Displays and maintain optimal ergonomic adjustability with the HP Thin Client Mount Kit.¹

Product number: E5J35AA

HP LCD Speaker Bar



Attach seamlessly to the front bezel of your monitor to add full multimedia support features, including stereo speakers with full sound range and an external jack for headphones.

Product number: NQ576AA

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Messaging Footnotes

¹ 4K content required to view 4K resolution.

² All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

³ Sold separately.

⁴ Scale to full frame with DCI aperture management or display 1:1 with pan and zoom.

⁵ Internet access required and sold separately.

⁶ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

Technical specifications disclaimers

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