HP DreamColor Z31x Studio Display

A visionary display

Designed for the world's elite color professionals, the award-winning HP DreamColor Technology brings the industry's boldest visions to life. Captivate with Cinema 4K resolution, an expansive color gamut for remarkably vivid colors, integrated colorimeter and custom-tailored management tools.

And the award goes to...

- The display that walked the red carpet. The HP DreamColor Technology won the 2015 Scientific and Engineering Award from the Academy of Motion Picture Arts and Sciences.[1] Experience theater-quality color from HP's most precise display yet.

More time creating. Less time calibrating.

- Maintain accurate color with a pop-up sensor that calibrates on demand or on a regular schedule. No longer wonder if your color is correct-it just is.

Designed by pros. For pros.

- HP worked with leading visual effects and animation studios to create customized solutions for the optimal design process. Speed projects to completion with True 2K, onscreen markers and keyboard-based input switching between your devices.

Featuring

- The built-in KVM switch lets you easily alternate between apps on different computers using a lightning-quick keyboard shortcut. Done and done.
- Enjoy stunning full-screen content without any scaling artifacts by enabling the True 2K viewing mode when you work in Full HD or 2K.
- Overlay standard video & film markers and DCI aspect ratio masks over the image to assess framing and protect regions. Even create your own custom markers using StudioCal XML.
- Connect to a single display or manage an entire fleet remotely. Built-in tools let you modify settings, pull calibration histories or push out new configurations. Remotely.
- Native Cinema 4K resolution and a 17:9 aspect ratio provide loads of space for bringing your ideas to life, and let you see every pixel of your images without scaling or cropping.
- Our broadest spectrum ever: 99% DCI P3 coverage, a 1500:1 contrast ratio for inky blacks and rich shadow detail, superb Real IPS off-axis performance, and the most vividly accurate color imaginable.
- Work interruption-free by scheduling a fully automated color calibration for off hours. Align the built-in colorimeter with an in-house reference instrument for studio-wide color stability.
- Choose from eight factory-calibrated typical color presets—or, completely change them up and make them your own using standard targets or StudioCal XML.
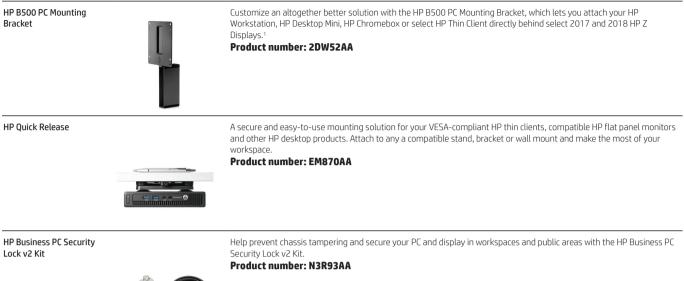
HP DreamColor Z31x Studio Display
Specifications Table

Product Number	Z4Y82A4;
Product Color	Black
Display size (diagonal)	79 cm (31.1")
Display Type	IPS w/LED backlight
Panel Active Area	69.79 x 36.8 cm;
Viewing Angle	178° horizontal; 178° vertical
Brightness	250 cd/m²[1,3]
Contrast Ratio	1500:1 static[1]
Response Ratio	20 ms on/off[1]
Aspect Ratio	17:9
Native Resolution	4096 x 2160 @ 60 Hz
Resolutions Supported	4096 x 2160; 3840 x 2160; 2048 x 2160; 2560 x 1440; 2048 x 1080; 1920 x 1080; 1366 x 768; 1280 x 1024; 1280 x 720; 1024 x 768; 800 x 600; 720 x 400; 640 x 480
Display Features	Anti-glare; BrightView Panel; In plane switching; Language selection; LED Backlights; On-screen controls; Plug and Play; User programmable; Anti-static
User Controls	Color Control; Image Control; Information; Language; Management; Menu; PIP Control; Video Control
Input signal	2 DisplayPort™ 1.2; 2 HDMI 2.0 with HDCP support
Ports and Connectors	1 USB 3.0 Type-B (upstream); 1 USB Type-C™ (DisplayPort™ 1.2, power delivery up to 60 W); 4 USB 3.0 (downstream, two side and two rear)[1]
Input power	Input voltage: 100 to 240 VAC
Power consumption	Panel Active Area: 69.79 x 36.8 cm; Power consumption Description: 260 W (maximum), 120 W (typical), 0.5 W (standby); Screen resolution: 4096 x 2160 @ 60 Hz
Dimensions with Stand (W x D x H)	73.8 x 24.8 x 56.6 cm
Dimensions without Stand (W x D x H)	73.80 x 8.26 x 41.41 cm
Weight	15 kg (With stand)
Ergonomic features	Tilt: -5 to +30°; Swivel: ±45°; Height: 117 mm
Certification and Compliance	BSMI; CB; CCC; CE; CSA; E-standby; EUP Lot-5; EUP Lot-6; FCC; ICES; ISO 9241-307; KC; KCC; Microsoft WHQL Certification (Windows 10); TUV/Ergo; VCCI
Environmental	Arsenic-free display glass; Mercury-free display backlights
What's in the box	AC power cable; CD with User Guide, warranty, drivers; DisplayPort™ 1.2 cable; HDMI cable; Monitor; USB cable (Type A male to Type B male); USB Type-C™ cable; USB Type-C™ to A cable
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.

HP DreamColor Z31x Studio Display

Accessories and services (not included)

HP B500 PC Mounting Bracket	Customize an altogether better solution with the HP B500 PC Mounting Bracket, which lets you attach your HP Workstation, HP Desktop Mini, HP Chromebox or select HP Thin Client directly behind select 2017 and 2018 HP Z Displays.[1] **Product number: 2DW52AA**
HP Quick Release	A secure and easy-to-use mounting solution for your VESA-compliant HP thin clients, compatible HP flat panel monitors and other HP desktop products. Attach to any a compatible stand, bracket or wall mount and make the most of your workspace. **Product number: EM870AA**
HP Business PC Security Lock v2 Kit	Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the HP Business PC Security Lock v2 Kit. **Product number: N3R93AA**

HP DreamColor Z31x Studio Display

Messaging Footnotes

[1] The 2015 Scientific and Engineering Award from the Academy of Motion Picture Arts and Sciences went to John Frederick, Bob Myers, Karle Rasche and Tom Lianza for the development of the HP DreamColor LP2480zx Professional Display. This cost-effective display offered a stable, wide color gamut, allowing facility-wide adoption in feature animation and visual effects studios.

Technical specifications disclaimers

[1] All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.
[3] HP applied uniformity compensation to each Z31x display, which brings the typical uniform peak luminance down to 250 cd/m² from a 350 cd/m² native peak brightness. Display supports luminance calibration up to 250 cd/m², reserving any luminance headroom for panel aging compensation.

Sign up for updates
www.hp.com/go/getupdated