



# HP DreamColor LP2480zx Professional Display

Billion-color accuracy—from vision through production

Are you ready to replace your outdated CRTs and mainstream LCDs with a color-critical LCD that exceeds CRT performance standards? Developed in close collaboration with DreamWorks Animation, the HP DreamColor LP2480zx Professional Display is the world's only color-critical LCD based on HP DreamColor Engine technology.

This uniquely affordable monitor delivers broad color support, rich visual quality, and consistent presentation results on a 24-inch diagonal wide-aspect screen. Now, you can create real-world color that is truly accurate, radically predictable, and set-it-and-forget-it simple.

#### Billion-color possibilities

- Innovative 30-bit LCD panel technology supports over one billion active colors—64 times the colors supported by traditional LCDs for virtual elimination of banding or contouring artifacts
- Super IPS panel technology
- Best-in-class off-axis performance including ultra low chrominance shift and contrast degradation
- Tearing-free film and 50/60 Hz video playback

#### Breakthrough color control

- Work with deeper colors, CRT-class black, and programmable white
- Set the white point precisely with the RGB LED backlight

- Share projects and match the toughest colors
- Improve content collaboration across the hall or the world with exact-color certainty

#### Vision-to-production precision

- Choose factory-calibrated color spaces with the touch of a button: sRGB, Adobe RGB, Rec. 601, Rec. 709, DCI-P3 emulation (97%), and full gamut
- Use the optional HP DreamColor Advanced Profiling Solution to customize color space by defining the primaries, gamma, white point, and luminance (includes colorimeter and software)
- HP Night Vision user interface with on screen button tags and auto-fade backlit bezel buttons for easy control in bright and dark work environments

#### Performance-class features

HP Performance series monitor features include:

- Component, S-video, and composite inputs, plus DisplayPort 1.1, HDMI 1.3, (2) DVI-I with HDCP support for protected content
- Customizable tilt, swivel, height adjustment, and pivot rotation so you can work comfortably
- Built-in 4-port USB hub



# HP DreamColor LP2480zx Professional Display

Part number	GV546A4	Panel type	IPS 24-in (60.96-cm) wide-aspect screen
Viewable image area (diagonal)	24 in (60.96 cm) wide-aspect screen	Viewing angle	178 degrees (to CR of 10:1 min.)
Maximum white luminance <sup>1</sup>	250 cd/m <sup>2</sup> (typ.)	Minimum white luminance	40 cd/m <sup>2</sup> (typ.)
Black luminance	0.05 cd/m <sup>2</sup> (typ. black level at minimum white level)	Contrast ratio <sup>1</sup>	1000:1
Response rate <sup>1</sup>	12 ms (rise+fall, full black-to-white-to-black); 6 ms (gray to gray)	Pixel pitch	0.270 mm
Gamma/tone response	Programmable from "gamma" value of 1.0 to 3.0.	Color gamut	Native gamut approx. 133% NTSC (in CIE 1976 u'v' space)
Adobe RGB coverage	100%	sRGB coverage	100%
Display colors	Over 1 billion colors in native mode	Lookup table	12 bits per entry, 1024 entries per table.
Internal processing	Min. 10 bits/color throughout video processing pipeline.	OSD functions	Color Space, Brightness, Color Temp, Reset to Factory Cal., Reset to Last, Black Level, Overdrive, Custom Scaling, Crop (L-C-R), PIP Control, Auto Adjust, H Position, V Position, Clock, Clock Phase, Hue, Saturation, Language, Intuitive OSD supporting key features of monitor
Native resolution	1920 x 1200 pixels	Preset graphics modes	Up to 2048 x 1200 @ 60 Hz
SDTV/HDTV timing modes (per CEA standards unless otherwise noted)	Up to 1920 x 1080 @ 60 Hz (progressive)	Color space presets <sup>2</sup>	7 color space presets; One user-programmable plus six factory programmed: sRGB, Rec. 709, Rec. 601, Adobe® RGB, DCI-P3 emulation (97%), full gamut
Video inputs	DVI (2), DisplayPort 1.1, and HDMI 1.3 with HDCP support; Component (YPbPr), S-Video, Composite	Self-powered USB 2.0 hub	1 upstream, 4 downstream USB 2.0 ports.
Power	Typical: 42 W (120 VAC, no USB devices connected, and sRGB Color Space preset); Maximum: 90 W; Power Saving: 10 W in "sleep" mode; 3W in "off" mode	Frequency	50/60 Hz
Dimensions (h x w x d)	Unpacked 16.7 to 20.67 x 22.24 x 10 in (42.5 to 52.5 x 56.5 x 25.4 cm); Unpacked w/o stand (head only): 14.76 x 22.24 x 3.86 in (37.5 x 56.5 x 9.8 cm) Packaged: 18.43 x 26.85 x 14.6 in (46.8 x 68.2 x 37.1 cm)		
Weight	Unpacked: 27.5 lb (12.5 kg); Unpacked w/o stand (head only): 18.7 lb (8.5 kg); Packaged: 33 lbs (15 kg)		
Base features	Tilt range: -5 to +35 degrees; Swivel range: 45 to +45 degrees; Height adjustable: 3.94 in (10.0 cm) range; Pivot rotation: 90 degrees		

Options (each sold separately; for more information, refer to each product's Quick Specs.)

HP DreamColor Advanced Profiling Solution—Part number KZ300AA; quickly and accurately allows the user to calibrate monitor front of screen setting to prevent any drift of critical monitor color or whitepoint settings.

HP LCD-Hood Kit—Part number KZ301AA; enables an improved visible monitor resolution by providing a darkened fore space from which to view the monitor's panel.

HP LCD Speaker Bar—Optional; powered directly by the monitor or PC, seamlessly attaches to the monitor's bezel; features dual speakers with full sound range and an external jack for headphones. Part number NQ576AA.

HP Business PC Security Lock Kit—Optional; 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. Part number PV606AA.

HP USB Graphics Adapter—Optional; Enables connection of up to six simultaneous displays to help you boost productivity and multi-task across several open applications. Use one Adapter to bridge between a notebook or desktop PC and second monitor or use multiple Adapters to connect several displays to each other. Part number NL571AA

Certification and compliance

TCO'99, ISO 13406-2 VDT Guidelines Approval, CISPR Requirements, VCCI Approvals, MIC (Korean) Requirements, CSA, Australian ACA Approval, "GS" Mark, TUV Approvals, CE Marking, FCC Approval, Microsoft® Windows® Certification (Microsoft® Windows® 98, Microsoft Windows 2000, Microsoft Windows XP, and Windows Vista® Premium)

Warranty

Three years parts, labor, and on-site service. 24-hour, 90-day, toll-free technical support. Replacement options may include second business day on-site service, or next business day direct replacement, at HP's sole discretion.<sup>3</sup> With direct replacement, HP will ship a replacement display product directly to you. Using the prepaid shipping labels provided, return your failed display to HP in the same packaging as the replacement. Certain restrictions and exclusions apply. For details see your product warranty or contact HP Customer Support.

1. Programming color space presets requires use of optional calibration accessory and software. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. The information contained herein is subject to change without notice. 2. HP Care Pack Services extend service contracts beyond the standard warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services lookup Tool at [www.hp.com/go/lookuptool](http://www.hp.com/go/lookuptool). Additional HP Care Pack Services information by product is available at [www.hp.com/hps/carepack](http://www.hp.com/hps/carepack).

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