



# HP DreamColor LP2480zx Professional Display

## 24-inch Diagonal LCD Backlit Monitor

*Billion color accuracy from vision  
through production*

### Dreams do come true

Developed in close collaboration with DreamWorks Animation, the HP DreamColor LP2480zx Professional Display is the world's first color-critical LCD monitor that utilizes the DreamColor engine.

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

The HP LP2480zx is the only monitor that uses both a true 30-bit panel and an RGB LED backlight, providing over 1 billion possible colors and an extremely wide color gamut. As well, the built-in HP DreamColor color management engine ensures that the display provides accurate color within industry standard gamuts.

- 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 and 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

The Performance series HP LP2480zx 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

<b>Part number</b>	GV546A4	<b>Panel type</b>	IPS <b>60.96-cm</b> (24-in) wide-aspect screen
<b>Viewable image area (diagonal)</b>	<b>60.96 cm</b> (24 in ) wide-aspect screen	<b>Viewing angle</b>	178 degrees (to CR of 10:1 min.)
<b>Maximum white luminance<sup>1</sup></b>	250 cd/m <sup>2</sup> (typ.)	<b>Minimum white luminance</b>	50 cd/m <sup>2</sup> (typ.)
<b>Black luminance</b>	0.05 cd/m <sup>2</sup> (typ. black level at minimum white level)	<b>Contrast ratio<sup>1</sup></b>	1000:1
<b>Response rate<sup>1</sup></b>	12 ms (rise+fall, full black-to-white-to-black); 6 ms (gray to gray)	<b>Pixel pitch</b>	0.270 mm
<b>Gamma/tone response</b>	Programmable from "gamma" value of 1.0 to 3.0.	<b>Color gamut</b>	Native gamut approx. 133% NTSC (typ. in CIE 1976 u'v' space)
<b>Adobe RGB coverage</b>	100% (typ.)	<b>sRGB coverage</b>	100% (typ.)
<b>Display colors</b>	Over 1 billion colors in native mode	<b>Lookup table</b>	12 bits per entry, 1024 entries per table.
<b>Internal processing</b>	Min. 10 bits/color throughout video processing pipeline.	<b>OSD functions</b>	Color Space, Luminance, Whitepoint, Primaries and Gamma Information, Reset to Factory Calibration, Reset to Last Calibration, Black Level, Overdrive, Custom Scaling, PIP Controls, Language, Power Saver, Power on Recall, Bezel Button LED, Auto EDID Update, Sleep Timer, Function (button) Control, Monitor Status Message, Warning Messages, Calibration Limit, OSD Button Labels, Mode Display, Video Input Control, Input Auto-Switching, Information (menu), Factory Reset., Intuitive OSD supporting key features of monitor
<b>Native resolution</b>	1920 x 1200 pixels	<b>Preset graphics modes</b>	Up to 2048 x 1200 @ 60 Hz
<b>SDTV/HDTV timing modes (per CEA standards unless otherwise noted)</b>	Up to 1920 x 1080 @ 60 Hz (progressive)	<b>Color space presets<sup>2</sup></b>	7 color space presets; all user-programmable plus six factory programmed: sRGB, Rec. 709, Rec. 601, Adobe® RGB, DCI-P3 emulation (97%), full gamut
<b>Video inputs</b>	DVI-I (2), DisplayPort 1.1, and HDMI 1.3 with HDCP support; Component (YPbPr), S-Video, Composite	<b>Self-powered USB 2.0 hub</b>	1 upstream, 4 downstream USB 2.0 ports.
<b>Power</b>	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	<b>Frequency</b>	50/60 Hz
<b>Dimensions (h x w x d)</b>	Unpacked <b>42.5 to 52.5 x 56.5 x 25.4 cm</b> (16.7 to 20.67 x 22.24 x 10 in); Unpacked w/o stand (head only: <b>37.5 x 56.5 x 9.8 cm</b> (14.76 x 22.24 x 3.86 in) Packaged: <b>46.8 x 68.2 x 37.1 cm</b> (18.43 x 26.85 x 14.6 in)		
<b>Weight</b>	Unpacked : 27.5 lb (12.5 kg); Unpacked w/o stand (head only): 18.7 lb (8.5 kg); Packaged: 33 lbs (15 kg)		
<b>Base features</b>	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		
<b>Options (each sold separately; for more information, refer to each product's Quick Specs.)</b>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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</p>		
<b>Certification and compliance</b>	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)		
<b>Warranty</b>	Protected by HP, including a 3 years parts, 3 years labor, and 3 years onsite service (3/3/3) standard limited warranty. Certain restrictions and exclusions apply.		

1. Programming color space presets requires use of optional calibration accessory and software 1. 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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