HP DreamColor LP2480zx Professional LCD 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Are you ready to replace your outdated CRTs and mainstream LCDs with a color-critical LCD that exceeds CRT performance standards?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 LCD 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, SMPTE-C, 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:

- DisplayPort 1.1, HDMI 1.3, (2) DVI-I, analog, component, S-video, and composite inputs, and 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 LCD 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	250 cd/m2 (typ.)	Minimum white luminance	50 cd/m2 (typ.)
Black luminance	0.05 cd/m2 (typ. black level at minimum white level)	Contrast ratio*	1000:1
Response rate*	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[1]	7 color space presets; One user-programmable plus six factory programmed: sRGB, Rec. 709, SMPTE-C, Adobe® RGB, DCI-P3 emulation (97%), full gamut
Video inputs	DVI-I (2), DisplayPort 1.1, HDMI 1.3, 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 × w × 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		
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.[2] 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.		

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

1. Programming color space presets requires use of optional calibration accessory and software. 2. Service levels and response times for HP Care Packs may vary depending on your geographic location. Restrictions and limitations apply. For details, visit www.hp.com/go/carepack.

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