



HP DREAMCOLOR LP2480ZX PROFESSIONAL LCD DISPLAY

Billion-colour accuracy—from vision through production



Are you ready to replace your outdated CRTs and mainstream LCDs with a colour-critical LCD that exceeds CRT performance standards?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 colour-critical LCD based on HP DreamColor Engine technology.

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

Billion-colour possibilities

- Innovative 30-bit LCD panel technology supports over one billion active colours—64 times the colours supported by traditional LCDs for virtual elimination of banding or contouring artefacts
- 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 colour control

- Work with deeper colours, CRT-class black, and programmable white
- Set the white point precisely with the RGB LED backlight
- Share projects and match the toughest colours
- Improve content collaboration across the hall or the world with exact-colour certainty

Vision-to-production precision

- Choose these factory calibrated these colour spaces with the touch of a button: sRGB, Adobe RGB, SMPTE-C, Rec. 709, and DCI-P3 emulation
- Use the optional HP DreamColor Advanced Profiling Solution to create your own colour 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, analogue, component, S-video, and composite inputs, and HDCP support for protected content
- Customisable tilt, swivel, height adjustment, and pivot rotation so you can work comfortably
- Built-in 4-port USB hub

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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.	Colour gamut	Native gamut approx. 133% NTSC (in CIE 1976 u'v' space)
Adobe RGB Coverage	100%	sRGB coverage	100%
Display Colours	Over 1 billion colours in native mode	Lookup table	12 bits per entry, 1024 entries per table.
Internal processing	Min. 10 bits/colour throughout video processing pipeline.	OSD functions	Colour Space, Brightness, Colour 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)	Colour space presets	7 colour space presets; One user-programmable plus six factory programmed: sRGB, Rec. 709, SMPTE-C, Adobe™ RGB, DCI-P3 (emulation), full
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 Colour 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		
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, labour, 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. 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.

**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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