Overview

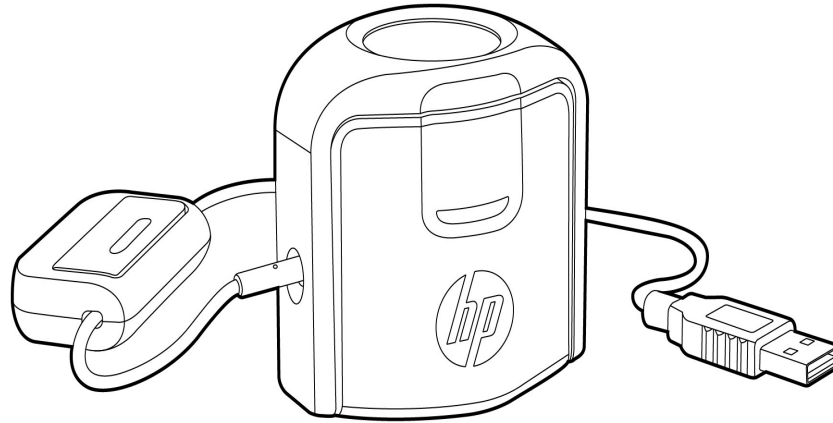**Model**

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Introduction

The HP DreamColor Calibration System (DCS) is an LCD monitor option designed for professional users who require precision color accuracy in their work output. It allows users to quickly and accurately calibrate monitor front-of-screen settings to prevent any drift of critical monitor color or whitepoint settings.

The kit contains a colorimeter and related software (for both Microsoft® Windows® and Apple Mac OS X) that provides a number of options for display calibration (whitepoint, gamma, and luminance).

The HP DCS will also ensure color matching on Video Wall Displays. In addition, it can be used to create monitor profiles for non-DreamColor displays.

Key Benefits

- Intuitive all-in-one design is very easy to use
- Blazing fast speed – measures 5X faster than previous devices
- Compact and self-contained for maximum portability
- Custom designed RGB filter set provides accurate color measurements
- New optical design allows for high repeatability on the same display and across different display types for more consistent color matching
- Rotatable diffuser arm can be used as a stand for table top projector profiling, ambient light measurement, and as a cover for instrument optics.
- Host-less color calibration on select HP Digital Signage Displays

Overview

Compatibility

The HP DCS can provide in-display calibration for the HP DreamColor LP2480zx Professional Display, the HP LD4730/LD4730G Video Wall Display, and HP ZBook and EliteBook Mobile Workstations with the DreamColor display option. It can also create monitor profiles for other HP business and consumer monitors.

Service and Support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.

Technical Specifications

HP DCS - Colorimeter Specifications

Dimensions (H x L x W)	64.5mm x 39mm x 66mm	
Weight	**Measurement Device**	130g/ oz (includes USB cable and counterweight)
Interface	Powered by USB 2.0, no additional power required	
Data format	Luminance (cd/m^2), chromaticity, Coord. x, y (CIE 1931)	
Refresh rate	Monitor frequencies: 40 Hz to 150 Hz	
Measurement range	Black point:	0.02cd/m^2, minimum
	White point	3000 cd/m^2, maximum
	Illuminance:	Suitable for use in Graphic Display Proofing per ISO/CD 12646 Standard
Accuracy	Color = +/- 0.004 x,y @ 100cd/m^2; Luminance = +/- 4.0% @ 100cd/m^2	
Short-term repeatability	Color = +/- 0.001 x,y @ 100cd/m^2; Luminance = +/- 1.0% @ 100cd/m^2, Luminance Measurement Range: 0.1 cd/m2 to 1,000 cd/m^2	
System requirements	**Microsoft Windows**	- Intel® Pentium® 4 or AMD Athlon XP™ or better CPU - Windows® XP 32 bit, Windows Vista® 32 or 64-bit, Windows 7® 32 or 64-bit - Latest service packs installed 1GB of available RAM 300MB of available hard disk space - Monitor resolution of 1024 x 768 pixels or higher - Dual display support requires either 2 video cards or a dual head video card that supports dual video LUTs being loaded - Powered USB port - Network adaptor installed and driver loaded - CD drive or high speed internet connection to download the software - Internet connection required for software updates - User must have administrator rights to install, uninstall the application
	Mac	- Intel® CPU - Mac OS X 10.6, or 10.7 (with latest upgrades installed) 1GB of available RAM 300MB of available hard disk space - Monitor resolution of 1024 x 768 pixels or higher - Dual display support requires either 2 video cards or a dual head video card that supports dual video LUTs being loaded - Powered USB port - CD drive or high speed internet connection to download the software - Internet connection for software updates - User must have administrator rights to install, uninstall the application
Ambient light check & match	Only on non-HP DreamColor displays. Not needed on DreamColor display due to the controlled user environment.	
User mode	Easy-to-Use Wizard Interface	
Monitor gamma choices	User-defined	
White point setting	User-defined	
Dual monitor matching	Yes	
Luminance measurement	Yes	

Technical Specifications

Profile support	ICC 2, ICC 4, Matrix profiles
Calibration reminder	User-defined (1 to 4 weeks)