

# Spyder4™

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Show the world your true colors



Spyder4 is a display color calibration solution designed for photographers and creative professionals.

An un-calibrated display can produce unexpected results. Working on a display that is periodically standardized through calibration enables true-to-life reproduction of images. Spyder4 features a patented, 7-channel sensor capable of calibrating a variety of display types including your monitor, projector, iPad® and iPhone® with high accuracy (and even your TV with a software upgrade).

# 1



# 2



## Seven reasons to color calibrate your display

### 1. Displays render the same image differently

Calibration tunes your display to a reference standard and brings greater color consistency across different displays.

### 2. Displays change over time

Luminance can change by 25% over a year. Recalibration returns it to reference state for brightness and color.

### 3. Prints often do not match display

Color mismatches between the display and print can be frustrating. Display calibration provides a base for improved print matching.

### 4. Wide gamut display inaccuracies

Wide-gamut displays may show oversaturated and unnatural colors that need to be standardized and corrected through color calibration.

### 5. Highlight and shadow detail loss

Control of brightness, white point and tone response through calibration results in accurate display of highlights and shadows.

### 6. White point is inconsistent and greys are not neutral

White point varies by up to 20% on un-calibrated displays. Calibration makes the white point consistent and produces balanced, neutral greys.

### 7. Image colors are not true to life

A calibrated display renders camera images with high color fidelity. You can edit and adjust your images with greater control and confidence.

## Seven reasons to use Spyder4 for calibration

### 1. Full-spectrum color sensor

Spyder4's patented 7-color sensor improves upon colorimeters that use 3-channel RGB sensors. Each Spyder4 unit is individually tuned in the factory to accurately handle a variety of wide-gamut and normal gamut displays with ease.

### 2. Single sensor calibrates all your displays

Spyder4 works with your laptop, multiple monitors, projector, iPad® and even iPhone®. It works with LCD, LED, OLED, CRT, DLP (Spyder4ELITE version) and other display technologies. Spyder4 is unique in its ability to calibrate all your display devices to achieve greater consistency.

### 3. Improved accuracy and stability

The fourth-generation Spyder4 has double-shielded color filters for an even closer match to CIE color standards and improved long term stability. Average accuracy increased by 26% and consistency between Spyder units has improved 19%.

### 4. Simple, automated calibration

Spyder4 makes calibration straightforward. Position the color sensor on your display and step through the software wizard. The sensor measures a series of colors on your screen and creates a "profile" to standardize your display. You can compare images before/after calibration.

# 3



- Increased accuracy – with 7 improved coated sensors
- Calibrates all your monitors (monitor type recognizing display calibration)
- MQA (Monitor Quality Analysis) to find best presets in the gamma, white point and RGB level

## 5. Fast Re-calibration Assistant

The “ReCAL” feature makes it quick and easy to recalibrate your display to compensate for changes that occur over time.

## 6. Adapts display to surrounding light

The lighting around you will affect image contrast and appearance. An additional sensor on the Spyder4 (Pro/Elite) measures the ambient light and calibrates your monitor to the appropriate ambient light level.

## 7. Software options for greater control

Spyder4ELITE software offers options for visual fine-tuning of displays, use of video standards (Cineon, NTSC, PAL), analysis of color non-uniformity and change over time, use of L-star, iterative grey balance for the most accurate greys, unlimited choices for gamma and luminance settings.

## Spyder4 versions



### Spyder4<sup>ELITE</sup>

is designed for photographers and creative professionals who need to ensure maximum color control and flexibility. This version includes:

- Advanced multiple display tuning is perfect for studios
- Ambient light sensor
- Advanced MQA (Monitor Quality Analysis) – same as SpyderPRO plus color graphing for uniformity of light
- Compare gamut of your display to Adobe RGB and sRGB
- iPad® and iPhone® ready
- Calibrates your TV with a paid software upgrade available on the Datacolor website



### Spyder4<sup>PRO</sup>

is designed for photographers and creative professionals, who rely on the match of their display to prints. This version includes:

- Calibrates multiple monitors
- Ambient light sensor
- Preset targets for gamma and white point
- iPad® and iPhone® ready
- Calibrates your TV with a paid software upgrade available on the Datacolor website



### Spyder4<sup>EXPRESS</sup>

is a simple and cost-effective solution for color correction, for photographers and creative professionals who need it as a pure web application. This version includes:

- Automated color calibration – easy as 1-2-3
- Provides essential color management for any single monitor or laptop display
- iPad® and iPhone® ready



For a detailed comparison of features see the hardware and software specifications table.

## What's Included

- Dataloger Spyder4 colorimeter • Desktop Cradle/Tripod mount (Spyder4PRO / Spyder4ELITE versions) • Software CD
- Quick Start Guide (in 10 languages) • 1-year warranty (for countries of the EU, the period is 2 years)
- Free Support

## Installation Requirements

- Windows XP 32/64, Windows Vista 32/64, Windows 7 32/64
- MacOS X Panther (10.4), Leopard (10.5), Snow Leopard (10.6) and Lion (10.7)
- Color monitor with at least 1024x768 resolution (1024 x 600 netbook option), projector, TV
- 24-bit video card • Powered USB port

## Related Products

- Spyder4Print SR • SpyderCube • SpyderCheckr • SpyderLensCal • SpyderStudio

## SOFTWARE SPECIFICATIONS

	Spyder4ELITE	Spyder4PRO	Spyder4EXPRESS
Gamma Choices	Unlimited	1.8, 2.0, 2.2, 2.4	2.2
Color Temperature Choices	Unlimited	5000K, 5800K, 6500K, native	6500K
Special Targets	NTSC, PAL/SECAM, Cineon, L-Star*	64 patches	64 patches
ICC Profile Support	ICC 2, ICC 4	ICC 2, ICC 4	ICC 2
Multiple Display Calibration	✓	✓	—
TV Calibration	✓ upgrade available on website at additional cost	✓ upgrade available on website at additional cost	—
Front Projector Calibration	✓	—	—
Ambient Light Measurement	✓	✓	—
Re-calibration Wizard	✓	✓	—
Expert Console	✓	—	—
Custom B/W Luminance Control	✓	—	—
Display History Utility	✓	—	—
SpyderProof Interface	✓	✓	✓
StudioMatch	✓	—	—
Gamma Curve Editing	✓	—	—
Real-time Profile & Calibration Check	✓	✓	✓
L-Star Workflow Option	✓	—	—
Curves Import Function	✓	—	—
SpyderTune	✓	—	—
Iterative Gray Balance	✓	—	—

\* L-Star technology is Licensed Property of INTEGRATED COLOR SOLUTIONS, INC., Patent No.: 7,075,552 and No. 6,937,249.

## HARDWARE SPECIFICATIONS

Measurement Device	Spyder4ELITE	Spyder4PRO	Spyder4EXPRESS
Ambient Light Sensor	✓	✓	—
Color Sensor	7 Filter/Detector	7 Filter/Detector	7 Filter/Detector
Aperture Size	27 mm	27 mm	27 mm
Initial Calibration Time	5 Minutes	5 Minutes	5 Minutes
Recalibration Time	2.5 Minutes	2.5 Minutes	—
Ambient Light Shield	5.08 cm	5.08 cm	5.08 cm
Mounting Methods	Universal Counterweight and Tripod Mount	Universal Counterweight and Tripod Mount	Universal Counterweight
Desktop Docking Base w/Tripod Mount	✓	✓	—
Physical Dimensions	3.8 cm (D) x 8.9 cm (W) x 10.2 cm (L)	3.8 cm (D) x 8.9 cm (W) x 10.2 cm (L)	3.8 cm (D) x 8.9 cm (W) x 10.2 cm (L)
Computer Connection	USB	USB	USB
Warranty	1 Year (for countries of the EU, the period is 2 years)	1 Year (for countries of the EU, the period is 2 years)	1 Year (for countries of the EU, the period is 2 years)

## More Information

- Visit [www.datacolor.com/spyder4](http://www.datacolor.com/spyder4) or email [spyder@datacolor.com](mailto:spyder@datacolor.com)

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