Color Calibration & Profiling

i1Photo Pro 3

Leading the Color Management Industry for Photographers

The i1Photo Pro 3 is specifically designed for imaging professionals who require accurate color from their RGB printer, display, and projector, and want to track and verify monitor and print quality. The device also combines world-class hardware and software to deliver the ultimate professional level color management for photo pros.

In addition, the i1Photo Pro 3 achieves correct calibration on high brightness displays (up to 5k NITs) and matches up to four displays connected to a single computer and unlimited displays connected to different computers for consistent viewing.

Benefits:

- Offers a custom, full-spectrum LED light source, which allows for single-pass scanning and improves device reliability and accuracy.
- Measures M0, M1, and M2 simultaneously in a single-pass, cutting scanning time in half.

- Features an ergonomic design for easy cleaning and accurate measurements.
- Reads smaller patches than the i1Pro 2 with improved accuracy.
- Provides real-time user feedback to ensure accurate measurement position and a self-check tool to adjust and correct minor shifts.
- Includes download link for i1Profiler software featuring basic and advanced modes for professionally calibrated and profiled monitors (including presets for video production workflows), projectors, scanners, and RGB printers.
- Easy upgrade to i1Publish software to add CMYK & CMYK+ complete printer profiling.
- ColorChecker Camera Calibration Software and targets produce custom cameras profiles that work exceptionally well for Raw workflows, even in unusual artificial lighting conditions.
- PANTONE® Color Manager helps you easily capture and manage spot colors and keep your PANTONE libraries up to date with color palette creation and swatch bridging software.
- Optimizes automated file creation in less time and material waste during production when combined with the i1iO Generation 3 automated scanning table.

With the i1Photo 3, calibrate and profile all modern laptop and desktop display technologies, such as LED, Plasma, RG Phosphor, OLED and Wide Gamut. Create profiles that adjust to any ambient light condition for optimal viewing of color critical work; and unlimited gamma, white point, and luminance settings add further flexibility. In addition, predict how colors printed on optically brightened paper will look under specific lighting conditions or capture the ambient light of your gallery to apply to your printer profile for absolute perfect color on your prints!

For further automation, increase your productivity with the optional i1iO automated hands-free chart reader. Simply dock your i1Pro 3 device into the i1iO3 table to measure any substrate up to 10 mm thick. Or add an i1iSis 2 automated chart reader for creating printer profiles – a must-have for any imaging professional needing the highest level of printer profile productivity.

i1Photo Pro 3 includes the i1Pro 3 Spectrophotometer; i1Profiler (i1Publish) Software for monitors, projectors, scanners, RGB printers; ColorChecker Camera Calibration software; PANTONE Color Manager Software; ColorChecker Classic target [mini]; ColorChecker Proof target; and robust i1 accessories (Ambient Light Measurement Head, Monitor Holder, Projector Holder, Scanning Ruler, Backup Board, Spot Color Positioning Target, Soft Carrying Case).

Aperture	Measurement aperture: 4.5 mm (0.18") diameter (effective measurement aperture during scanning is depending on the patch size and measurement speed)
Available Disk Space	2GB
Calibration	Manual on external ceramic white reference (included)

Communication Interface	USB 1.1
Connectivity	Powered USB port
Dimensions (length, width, height)	i1Pro device: 162 mm x 69 mm x 64 mm (6.4" x 2.7" x 2.5")
Display Resolution	1024x768 pixels or higher
Experience Level	Intermediate to Advanced
Humidity	30 to 85% RH (non-condensing)
Illumination Spot Size	3 mm (0.12")
Inter-Instrument Agreement	0.3 ΔE00* average, 0.8 ΔE00* max. (deviation from X-Rite manufacturing standard at a temperature of 23ºC (73.4ºF) on 12 BCRA tiles (D50, 2º))
Internet Connection	Required for software install, download and automatic update
Languages Supported	Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese, Spanish
Light Source	i1Pro3 Plus LED Illumination (including UV)
Macintosh	MacOS X 10.11x, 10.12x, 10.13x, 10.15 (with latest upgrades installed)
Measurement Conditions	• M0 - UV included - ISO 13655:2017 • M1 - D50 - ISO 13655:2017 • M2 - UV excluded Filter - ISO 13655:2017
Measurement Frequency in Scanning Mode	400 measurements per second
Measurement Geometry	45°/0° ring illumination optics, ISO 13655:2017

Media Thickness	1mm or less
Memory	2GB Minimum
Number of Displays Supported per Workstation	Up to 4
Operating Temperature Range	10°C to 35°C 50°F to 95°F
Patch Size	Minimal Patch Size in Scanning Mode: 7 x 7 mm (0.28" x 0.28") (Width x Height) with sensor ruler 10 x 7 mm (0.40" x 0.28") (Width x Height) without sensor ruler
Photometric Range	10nm; Sampling interval 3.5nm
Processor	MAC: Intel® Core 2 Duo CPU or better; WINDOWS: Intel® Core 2 Duo or AMD Athlon™ XP or better
Scan Length	Maximum 260mm (10.24")
Scanner Target Support	Yes
Scanning Capability	Yes
Security	User must have Administrator rights to install and uninstall the application
Short Term Repeatability - White	0.05 dE00 on white (D50,2°, mean of 10 measurements every 3 seconds on white)
Single Pass Scan	Yes
Software Development Kit	Available for OEM customers
Software Modes	Basic & Advanced
Spectral Analyzer	i1® technology with built-in wavelengths check;

	Holographic diffraction grating with 128-pixel diode array
Spectral Range	380 - 730 nm
Spectral Reporting	380 ... 730 nm in 10 nm steps
Storage Temperature Range	-20° to 50°C -4° to 122°F
Supported Profile Format	ICC version 2, version 4.3, & iccMax
Unit Color	Black/Silver
User Experience	Choose between a 'basic', wizard-driven interface or an 'advanced', user-driven interface for highest level professional results
Video Card	MAC: Latest drivers for video card installed; WINDOWS: Latest drivers for video card installed, dual display support requires either 2 video cards or a dual head video card that supports dual video LUTs being loaded
Warranty	Twelve (12) months from the date of sale, unless different local regulations apply. Product registration is required to receive X-Rite technical support during the warranty period. Registration can occur directly through the software, on our website, or via phone. Users are encouraged to register their product within the first 30 days of use.
Weight	i1Pro device: 285 g (10.1 oz)
What's Included?	i1Pro 3 Plus spectrophotometer (measurement device), calibration plate, ambient light measurement head, monitor holder, posi

cable. i1Profiler v3.x software for monitor profiling plus QA for monitors and printers, PANTONE Color Manager software.

Windows   Windows 7, 8, 8.1, 10 (with latest Service Pack installed)