Color Calibration & Profiling

i1Publish Pro 3

Color Management for Imaging and Prepress

Equipped with industry-leading technology, the i1Pro 3 delivers more accurate and reliable results than any other device in its category and is two times faster than its predecessor.

For designers, photographers, or prepress professionals who rely on accurate color throughout a digital workflow, the i1Publish Pro 3 is the must-have solution to profile and calibrate cameras, monitors, projectors, scanners, and both RGB and CMYK+ printers. Get the most color accurate displays, prints and proofs, with repeatable results every time.

Accommodating a broad range of proficiencies and expertise, i1Publish Pro 3 Plus provides complete power and control to create the highest quality ICC profiles. Choose between a basic, wizard-driven interface, or an advanced user-driven interface to create high quality, precise, custom color profiles.

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.
- Reads smaller patches than the i1Pro 2 with improved accuracy.
- Features an ergonomic design for easy cleaning and accurate measurements.
- Benefit from perfect printed colors every time with RGB, CMYK and CMYK + any 4 with intelligent iterative profiling technology for best quality results and advanced controls for black generation and separations.
- Provides real-time user feedback to ensure accurate measurement position and a self-check tool to adjust and correct minor shifts.
- Achieve true colors on all modern laptop and desktop display technologies, such as LED, Plasma, RG Phosphor, OLED and Wide Gamut up to 5000 NITs.
- Quickly check color output quality with the ColorChecker Proof visual assessment target, included with i1Publish.
- Capture spot colors off virtually any surface – ideal for creative design or corporate brand requirements* – and keep your PANTONE libraries up-to-date, accurate and ready to use in Adobe® and Quark® creative applications with PANTONE Color Manager for 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.

i1Publish Pro 3 also includes many display and printer profiling and quality assurance functions. When printing CMYK, take advantage of device link profiling to optimize CMYK files across various devices, preserving the black channel and inks. When it's time to repurpose multiple CMYK files, device link profiles ensure reliable color. For an even more controlled and accurate color workflow, i1Publish Pro 3 also includes X-Rite's ColorChecker Camera Calibration software and ColorChecker target for producing custom camera profiles. It also includes PANTONE Color Manager software for easy capture and management of spot colors, keeping PANTONE libraries up to date with color palette creation and swatch bridging software.

i1Publish Pro 3 includes the i1Pro 3 Spectrophotometer; i1Profiler (i1Publish) Software for monitors, projectors, scanners, RGB and CMYK+ printers; ColorChecker Camera Calibration software; download link for 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	il® 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)