x-rite PANTONE®

i1 Solutions

Color. Perfected.

Say “Yes!” to Color-Critical Jobs with Confidence

With the growth of customization and efficient production, digital printing is becoming mainstream and color accuracy demands are rising. Whether you’re a designer, photographer, prepress pro, sign shop owner, or digital textile printing expert, you need to calibrate and profile all your devices, including monitors, scanners, and printers, to print color-accurate jobs and stand out in the market.

X-Rite’s i1Pro solutions ensure your devices are working at peak performance so you can maintain consistent color between printers and reduce color variability between jobs. Whether you’re printing on paper, vinyl, fabric, transparent film, specialty photo paper, corrugated, or backlit material using inkjet, toner, dye-sub, or another print method, you’ll be able to achieve true, consistent color.

With i1Pro solutions, you can minimize back and forth trial and error to save time and materials and speed up your production workflow.

How to Choose the Right Solution

Pick your device.

i1Pro 3

4.5mm aperture

Ideal for smooth paper.

Measures smaller patch sizes for less material waste and faster profiling on suitable substrates.

i1Pro 3 Plus

8mm aperture

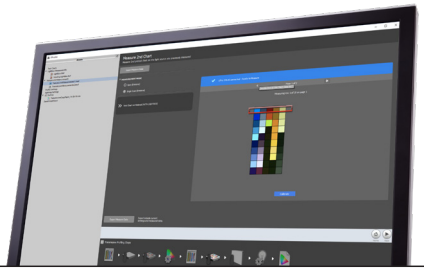
Ideal for highly textured paper and non-paper materials like textile, canvas, glass, ceramic, and films.

Measures larger patch sizes for more accurate results on challenging substrates

Ideal for wide and grand format printers.

Can profile backlit materials.

Includes polarization filter to achieve better shadows and highlights on unique substrates.



Pick your software level.

Basic

Perfect for use with 3rd party RIPs and software and to profile monitors.

Monitor Profiling & QA (quality assurance)

Printer QA

Publish

The most complete software solution with all modules fully licensed.

Monitor Profiling & QA (quality assurance)

Scanner Profiling

RGB, CMYK, CMYK+ and Device Link Printer Profiling

Transmissive Profiling for backlit materials

Printer QA

Add automation.

i1iO The optional X-Rite i1iO automated chart reader captures hands-free measurements on printer profile charts. i1iO accommodates both i1Pro 3 and i1Pro 3 Plus devices to enhance functionality and speed up the measurement process.

i1Pro Hardware

Color affects every workflow. When you need to produce consistent, repeatable color, rely on award winning i1Pro devices. These industry standard spectrophotometers deliver the all-in-one capability to profile displays, projectors, and printers, plus capture spot colors.

The best device for you depends on the types of materials you print on:
i1Pro 3 – Smooth paper
i1Pro 3 Plus – Highly-textured paper, fabric, canvas, ceramic

i1Pro 3

Equipped with industry-leading technology, the i1Pro 3 delivers more speed, accuracy, and reliability than its predecessor. It offers a full-spectrum LED light source, an innovative design to help facilitate cleaning for accurate measurements, and enhanced single-pass scan capabilities.

Optimized Calibration and Profiles

- Reads patches twice as fast as the i1Pro 2 with improved accuracy.
- Measures M0, M1, and M2 simultaneously in a single pass to account for optical brighteners.
- Calibrates and profiles modern displays, including high brightness OLED, HD and HDR monitors (up to 5k NITs).
- Optimizes automated test chart measurements when combined with the i1iO scanning table.

User-Centered Features

- Provides real-time user feedback to ensure accurate measurement position and a self-check tool to adjust and correct minor shifts.
- Equipped with the X-Rite Graphic Arts Standard (XRGA) to ensure reliable and repeatable data between all links in a supply chain.
- Features an ergonomic design for easy cleaning and accurate measurements.

i1Pro 3 Plus

Designed for imaging, print, signage, and digital textile professionals, i1Pro 3 Plus offers consistent calibration and profiling on unique materials primarily printed on wide and grand format printers. Built on the same technology as the i1Pro 3 device, the Plus model comes with a larger aperture to capture more color data for harder-to-profile materials such as highly-textured paper, vinyl, fabric, transparent film, plastics, specialty photo paper, corrugated, and backlit materials. The included polarization filter can reduce color variability on many of these substrates to deliver the highest level of color accuracy and repeatability.

Materially Diverse

- Profiles a broad range of material substrates and surfaces with a larger 8mm aperture.
- Reduces color measurement variability and specular reflections with optional polarization capabilities for “better blacks” and richer colors on unique surfaces.
- Supports emission scanning for backlit film and materials used in signage and other applications.
- Accurately measures larger print materials, substrates, and surfaces.

Both i1Pro 3 and i1Pro 3 Plus are compatible with many RIP systems.
Check with your specific RIP provider for more information.

Add Automation

In production environments, manually measuring color test charts to ensure color management profiles are up-to-date can be labor intensive, time consuming, and leave room for human error. Adding an i1iO table to your workflow eliminates manual strip reading and speeds up the measurement process.

i1iO

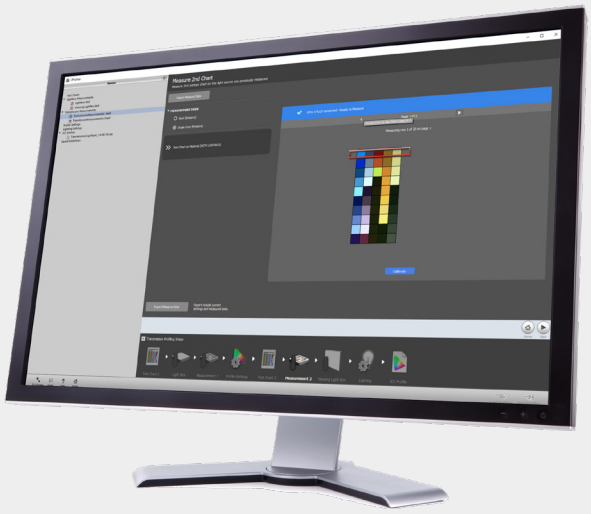
The i1iO is a robotic, automated chart reader designed to accommodate both i1Pro 3 and i1Pro 3 Plus devices, providing a simple way to further enhance functionality, versatility, and measurement speed.

- Measures a variety of substrates up to 10mm thick, including thin polybag material, paper, canvas, textiles, ceramic and more. Adding an optional z-axis spacer can measure thicker materials up to 23mm.
- Accommodates a light box to build profiles for transparent materials.
- Assures compliance with ISO standards for M-series measurement illumination conditions.

Measuring a high volume of printer test targets?
The i1iSis 2 automated chart reader enables high-production print shops to create a large volume of printer profiles on a regular basis. Available in Standard (A4/Letter) and XL (A3/Tabloid), it reads thousands of patches in less than 10 minutes, delivering the most accurate measurements and virtually eliminating human error.

i1Profiler Software

Each i1Pro 3 solution includes i1Profiler professional color management software to create the most accurate profiles and efficiently manage color from capture to view to print. With both basic and advanced modes, i1Profiler delivers the perfect balance of automation with a full range of creative controls.



Printer Module

- Create custom RGB, CMYK, and CMYK+ printer profiles with unmatched quality for smoothness, highlights, and shadow detail.
- Achieve the most accurate printer profiles with support for high patch count charts.
- Create unique patch sets to optimize your printer profile for specific colors, flesh tones, or captured spot colors.
- Utilize Optical Brightener Compensation (OBC) functionality for papers with high OBAs.
- Keep color correct over time and between runs with the linearization feature.
- Quickly check output quality and optical brighteners with included ColorChecker Proof visual assessment target.
- Achieve accurate color source to destination conversions with Device Link workflow.
- Take advantage of advanced controls for black separation.

Monitor Module

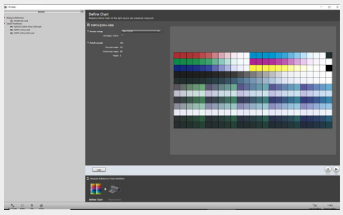
- Gain custom control over white point, luminance, contrast ratio, and gamma.
- Color match up to four separate displays for color accuracy across your workflow.
- Optimize gray balance for more neutral and better-defined grays.
- Visually match different monitors via proprietary chromatic adaptation formula.
- Avoid reduced contrast ratios caused by flare light (or glare) falling on the surface of display using Flare Correct™.
- Determine the optimum display luminance for comparing prints to your display using Ambient Light Measurement.
- Receive profile validation and reminders.
- Monitor QA (quality assurance), including trending over time.
- Supported Video Standards: NTSC, PAL SECAM, Rec. 709, Rec. 2020 and DCI-P3.

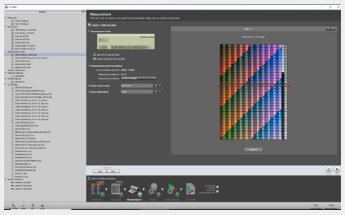
Projector Module

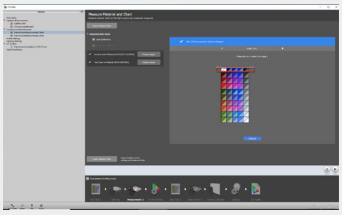
- Build an accurate on-screen profile in minutes.
- Take room conditions into consideration when creating a profile.

Scanner Module

- Simply scan the included ColorChecker Classic Mini target to generate a scanner profile.
- Supported Targets: ColorChecker Classic, ColorChecker Digital SG, Reflective IT 8.7/2, Transmissive 4x5 and 35mm IT8.7/1.







i1Pro 3 Solutions

i1Basic Pro 3

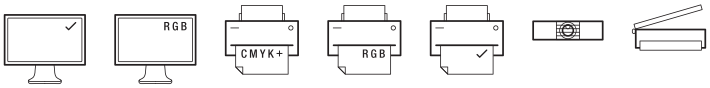
Ideal for use with 3rd party RIPs and software and profiling HD/HDR displays.
i1Basic Pro 3 is a flexible solution for professional-level display monitor and projector profiling, monitor and printing quality verification, and spot color measurement. Designed to also work with 3rd party RIPs and software, i1Basic Pro 3 is an essential tool in a color-managed ecosystem.

i1Basic Pro 3 Plus

Ideal for use with 3rd party RIPs and software when printing on unique substrates and profiling HD/HDR displays.
i1Basic Pro 3 Plus provides the same functionality as the i1Basic Pro 3 solution but includes a device with a larger aperture. It's designed to work with 3rd party RIPs and software to create printer profiles for unique materials that are challenging to profile such as textiles, canvas, ceramic, film, and other backlit materials. i1Basic Pro 3 Plus accommodates larger test targets with the included longer ruler and backer board, making it ideal for wide and grand format printers.

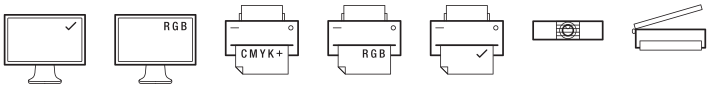
i1Publish Pro 3

Ideal for profiling a complete workflow from concept to print.
i1Publish Pro 3 is designed for any professional working in the prepress, digital printing, photography, or design industry who relies on totally accurate color throughout their digital workflow – from displays, scanners, and projectors, to RGB, CMYK and extended gamut printers and presses. This solution includes QA functions to check soft proofs and verify output quality, Optical Brightener Compensation (OBC) to easily adapt to any non-standard viewing environment, and Device Link for more accurate color source to destination conversions to stabilize the printing process and/or save ink in CMYK conversions.



i1Publish Pro 3 Plus

Ideal for profiling a complete workflow from concept to print on unique substrates.
i1Publish Pro 3 Plus provides the same functionality as the i1Publish Pro 3 solution but includes a device with a larger aperture. It's designed specifically to create printer profiles on unique materials that are challenging to profile such as textiles, canvas, ceramic, film, and other backlit materials. i1Publish Pro 3 Plus accommodates larger test targets with the included longer ruler and backer board, making it ideal for wide and grand format printers.



Product Comparison

	i1Basic Pro 3	i1Basic Pro 3 Plus	i1Publish Pro 3	i1Publish Pro 3 Plus
	Display profiling Use with 3rd party RIP/Software	Display profiling Use with 3rd party RIP/Software on speciality substrates	Display Profiling Printer profiles on smooth papers	Display Profiling Printer profiles on unique medias including backlit, textiles, highly texured stock, corrugated
Included Hardware				
Spectrophotometer	i1Pro 3 (4.5mm aperture)	i1Pro 3 Plus (8mm aperture)	i1Pro 3 (4.5mm aperture)	i1Pro 3 Plus (8mm aperture)
Included i1Profiler Software Modules				
Display Profiling	✓	✓	✓	✓
Display QA & Uniformity	✓	✓	✓	✓
Projector Profiling	✓	✓	✓	✓
Scanner Profiling			✓	✓
Printer Profiling (RGB, CMYK & CMYK+)			✓	✓
Printer QA & Trending			✓	✓
Device Link			✓	✓
Transmissive Profiling (for backlit materials)				✓
Included Accessories				
ColorChecker Targets (for scanner profiling and visual proof verification)	Classic Mini, Classic Proof	Classic Mini, Classic Proof	Classic Mini, Classic Proof	Classic Mini, Classic Proof
Backer Board & Ruler	Standard	Wide Ruler	Standard	Wide Ruler
Monitor Holder, Ambient Diffuser, Beamer Holder, Spot Measurement Target, White Calibration Tile	✓	✓	✓	✓
Polarization Filter				✓
Optional Automation				
Supports i1iO Automated Chart Reader (purchased separately)	✓	✓	✓	✓

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