

i1 Solutions



Color control at your fingertips



i1 Solutions from X-Rite play a fundamental role in today's fast-paced, color-critical digital workflows, making it possible to achieve consistency for today's complex color demands. At X-Rite, we understand that when you have control over your entire workflow, so you can better anticipate how colors will appear when reproduced on press. i1 Solutions allow you to communicate color information across multiple parts of your workflow and realize significant quality improvements—reduce cycle time, increase efficiency of color data communication, minimize waste, and get control of color faster, more accurately. **The result: higher levels of productivity, overall consistent quality and increased customer satisfaction—a definite advantage in today's competitive marketplace.**

Why manage your color?

Do you struggle getting accurate on-screen and projected color? Do you have confidence in the reproducibility of your digital camera files, scans, and customer-provided colors? Do you easily get a reliable match from monitor to printer? How about consistency and repeatability from print to print, and printer to printer? How do you handle PANTONE® and spot color measurement and output?

i1 Solutions solve these, and all of your color issues quickly, letting you concentrate on what you do best! i1 Solutions are used to create and edit color profiles for all your color devices including scanners, monitors, digital cameras, digital projectors (or beamers), or printers. These profiles, which are very much like individual fingerprints of each device, are then applied in your applications, driver, or RIP to ensure faithful color reproduction. All of today's design, professional imaging, and prepress tools support color management profiles, so color management is **easy to implement in your workflow!**

A complete family of solutions

i1 Solutions are ideal for professional color production environments such as prepress, proofing and fine art printing. The i1Pro spectrophotometer has long been the de facto industry standard when it comes to consistent, high quality color management. It offers super fast measurements, great patch recognition, and versatility! i1 Solutions are built with workflow in mind and it is easy to upgrade your i1 package to suit your needs over time. Together with the included i1Match software and the i1Defined interactive training CD, i1 Solutions users are ensured a seamless, positive out-of-box experience. And as your needs for higher productivity increase, you can also add automation at anytime with either of X-Rite's i1 automated chart readers - i1iSis with OBC or i1iO.



Spectrophotometer and monitor profiler

Fast, accurate, affordable, versatile

i1Basic is an affordable, upgradable, and professional spectral color measurement solution and monitor profiler. Designed to meet the needs of creative and prepress professionals, i1Basic allows you to scan spectral color, obtain accurate color on all displays, linearize your printers through support of leading RIPs, and easily add new profiling functionality to meet your growing needs with affordable, easy-to-install upgrade modules.

If you depend on accurate color, i1Basic is the perfect system to get you working effectively in a properly color managed ecosystem. i1Basic includes the award-winning, industry standard i1Pro spectrophotometer, and i1Match monitor profiling software. i1Basic also includes i1Share, freeware that allows you to design and share color palettes with your colleagues and import them into your favorite design programs.



Easy Upgrades for i1Basic

Simply add any of the following i1Match modules (by purchasing an access code) to increase the functionality of your i1Basic solution as your needs grow or change:

i1 Beamer Module:

Enables i1Match software to calibrate and profile projectors (beamers).

i1 CMYK Output Module:

Enables i1Match software to profile CMYK printers.

i1 Digital Camera Module:

The i1Match Digital Camera Module is a unique approach to digital camera profiling that allows users to easily create accurate ICC digital camera profiles.

i1 RGB Output Module:

Enables i1Match RGB Output software to profile RGB printers.

i1 Scanner Module:

Enables i1Match software to profile scanners.

Digital PANTONE® Libraries for i1Share:

Purchase digital data sets for the PANTONE MATCHING SYSTEM® color library for use with your i1Share freeware.

i1 Editor:

Allows you to edit the profiles you create using i1Match software.





Professional Color Management

The only color management solution you will ever need

If you need all the functionality described for i1Basic but don't want to be bothered with modules, i1XTreme is the solution for you. i1XTreme is ideally suited to meet all the color needs of commercial photographers, graphic designers, and prepress professionals. With i1XTreme, you will be able to obtain accurate color on all the devices in your digital workflow, as well as capture spot colors, and measure flash/ambient light.

Unmatched price performance for color-critical workflows

Featuring all the essential color control functionality needed for color-critical production environments, i1XTreme includes: the award-winning industry standard i1Pro spectrophotometer; i1Match profiling software for all devices; i1Share freeware for creating, evaluating, and communicating color; a projector (beamer) holder; a scanner profiling chart; interactive training modules; a digital PANTONE MATCHING SYSTEM library; a soft carrying case; and an upgrade voucher valid towards any one of X-Rite's MonacoPROFILER or ProfileMaker 5 software solutions.



i1XTreme features

- LCD, CRT and laptop profiling – for any ambient lighting condition
- Easy and Advanced modes
- Unlimited gamma white point and luminance settings
- Workgroup match for multiple monitor matching
- Gray balance optimization for more neutral and better defined grays
- Validate and trend monitor performance
- Profile reminder to ensure true and reliable color over time
- Push Button Calibration (PBC) for one-step profiling of most monitors
- RGB and CMYK printer profiling ensures your output is reproduced accurately from print to print, and printer to printer
- "Colorful" gamut mapping with unmatched quality for smoothness and shadow detail
- Supports high patch count test charts for the most accurate printer profiles – ideal for proofing
- Scanner profiling for accurate color reproduction of analog images to digital images
- Digital projector (beamer) profiling for highly accurate projected color; includes i1Beamer holder for virtually hands free use
- Digital Camera profiling incorporates simplified features for the most popular photo settings to create camera profiles - contrast, exposure, color saturation, shadows and highlights (Requires Digital ColorChecker SG – sold separately)
- Simple profile editing functions for the most popular editing needs
- Spot color measurements to incorporate in your work, or to use to make sure the colors in your proof are exact



*Both i1Basic & i1XTreme are available in either UV-Cut and No-Filter.
Please specify your preference at time of purchase.

i1 Solutions Family of Automated Chart Readers



Productive. Fast. Easy. Precise

In high production environments like prepress and high speed digital printing, measuring color test charts to keep your color management profiles up-to-date can be a labor intensive and time consuming process. The i1 Solutions family of automatic chart readers sets new standards in terms of speed, accuracy, and handling – allowing you more time to focus on taking care of your customers.

i1iSis with OBC

High precision, automated chart reader with optical brightening compensation (OBC)

i1iSis is the solution of choice for high-speed chart measurement, now featuring the **industry's first true OBC correction solution** (see below). Because the i1iSis is based on i1 spectral technology, you'll capture the full spectral data of the charts you measure, ensuring the most accurate measurements and profiles. If you're in a high-production environment or have a need to do lots of calibrations or profiles, i1iSis is for you. It can measure both UV-Cut and No-Filter on 1,500 patches in one measurement cycle in only eight minutes. It's three times faster than iCColor and six times faster than DTP-41.



Designed for Automation and Flexibility

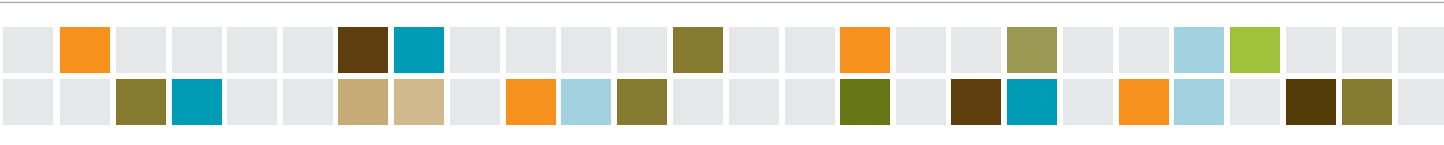
A sleek, precise reader with a small footprint, i1iSis can provide automated color into your workflow at any point. It's available in two sizes: standard, which can read A4+ or letter size; and XL for A3+ or tabloid size. i1iSis can read an astonishing 2,500 patches printed on a single A3 page. You will find the load-and-go simplicity of i1iSis simply amazing. A unique, built-in vision system automatically corrects for chart misalignment, so media handling errors and misfeeds become a thing of the past. i1iSis also interprets bar codes to prevent chart ID problems, plus it recognizes the size and type of chart without having to converse with your software. i1iSis works with all of X-Rite's major profiling software packages, such as ProfileMaker 5 and MonacoPROFILER. You'll also be able to use it with a wide-variety of color-enabled workflow solutions and RIPs.



Optical Brightening Compensation (OBC) Module

Corrects color shifts caused by optical brightening agents

The industry's first OBC solution allowing users in color-critical proofing and printing environments to effectively and precisely correct for color shifts in custom ICC output profiles caused by optical brightening agents (OBAs) in paper-based printing substrates. OBAs are increasingly used by paper mills and premium inkjet paper manufacturers to make a yellowish paper appear whiter and brighter. With X-Rite's Optical Brightener Compensation Module, users can now achieve visual equivalence between color measurement results from instruments, and from the visual appearance of a sample in a viewing booth. The OBC Module is included with i1iSis. For customers who already own an i1iSis, the OBC Module is available for purchase as a separate item.

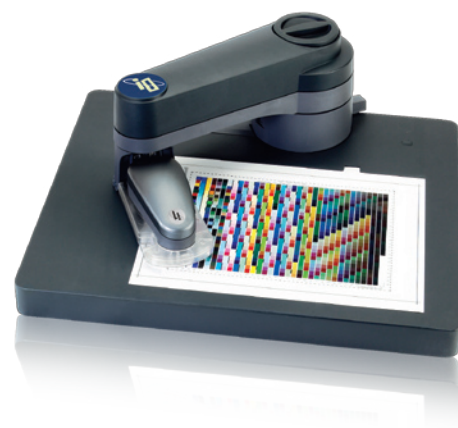


i1iO

Versatile Automated Scanning Table

i1iO is an XY scanning table accessory for use with an i1Pro spectrophotometer to create an automated chart reader which extends and automates your i1 color management system. i1iO is just as fast as an i1iSis, but it allows you to **measure substrates up to 10 mm thick** including photo paper, fine art rag, cardstock, textile, even poly bag and ceramic! i1iO reads more than 500 patches per minute, so you'll have a custom profile in no time! And since the iO uses award-winning i1 technology, you get the ability to create profiles for input devices, monitors, digital projectors, as well as printers.

i1iO is ideal for corrugated, package and wide format printing environments, where thicker media or non-paper-based substrates (foils, poly, textile, ceramic, etc.) are routinely used.



Which Automated Chart Reader Should I Choose?

i1iSis:

- OBC Module corrects color shifts caused by optical brightening agents in paper-based substrates
- UV-cut and No-Filter measurements in one cycle
- Long-life LED technology
- Barcode technology to identify test charts
- Automatic test chart alignment correction technology
- Small footprint, ideal for consultants to use in the field

i1iO:

- Measurement of substrates up to 10mm thick, or of non-paper-based substrates (foils, ceramic, poly, etc.)
- Flexible layouts - can read standard layouts in patch mode
- System upgrade for i1Pro (buy i1Pro first and add automatization with i1iO)
- i1Pro can be used for display, ambient light and projector measurement.



i1 Solutions Color Control

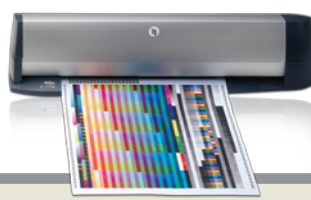
Technical Specifications



i1Pro Spectrophotometer

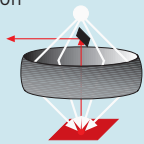
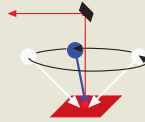
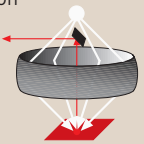


i1iSis / i1iSis XL



i1iO with i1Pro



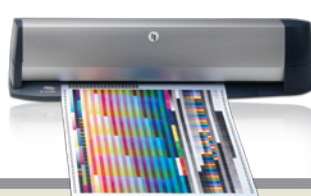
Spectral Engine:	Holographic diffraction grating 128 pixel diode array	Holographic diffraction grating with 128 pixel diode array	Holographic diffraction grating with with 128 pixel diode array
Spectral range:	380 - 730 nm	380 - 730 nm	380 - 730 nm
Physical sampling interval:	3.5 nm	3.5 nm	3.5 nm
Optical resolution:	10 nm	10 nm	10 nm
Spectral reporting:	380 nm to 730 nm in 10 nm steps	380 nm to 730 nm in 10 nm steps	380 nm to 730 nm in 10 nm steps
Measurement geometry:	45°/0° ring illumination optics, DIN 5033 	45°/0° annular (one angle UV) 	45°/0° ring illumination optics, DIN 5033 
Measurement aperture:	4.5 mm (0.18") diameter (effective measurement aperture during scanning is dependent on measurement speed)	3.4 x 2.4 mm (0.13" x 0.09") (effective measurement aperture during scanning is dependent on measurement speed)	4.5 mm (0.18") diameter (effective measurement aperture during scanning is dependent on measurement speed)
Light source:	Gas-filled tungsten (Type A) No-Filter or UV-Cut (filters not exchangeable)	white UV-Cut LEDs and UV LED (switchable by software)	Gas-filled tungsten (Type A) No-Filter or UV-Cut (filters not exchangeable)
Measurement conditions:	No-Filter - ISO 13655 M0 or UV-Cut Filter - ISO 13655 M2 depending on i1Pro type	No-Filter - ISO 13655 M0 and UV-Cut Filter - ISO 13655 M2 and UV-Cut/UV-Only dual measurement for OBC	No-Filter - ISO 13655 M0 or UV-Cut Filter - ISO 13655 M2 depending on i1Pro type
Calibration:	Manual on external white calibration reference	Automatic on internal calibration reference	Automatic on internal calibration reference
Inter-instrument- agreement:	0.4 ΔE^*_{94} average 1.0 ΔE^*_{94} max. (deviation from X-Rite manufacturing standard at a temperature of 23°C (73,4°F) on 12 BCRA tiles (D50, 2°)	0.4 ΔE^*_{94} average 1.0 ΔE^*_{94} max. (deviation from X-Rite manufacturing standard at a temperature of 23°C (73,4°F) on 12 BCRA tiles (D50, 2°)	0.4 ΔE^*_{94} average 1.0 ΔE^*_{94} max. (deviation from X-Rite manufacturing standard at a temperature of 23°C (73,4°F) on 12 BCRA tiles (D50, 2°)



i1Pro Spectrophotometer



i1iSis / i1iSis XL



i1iO with i1Pro



Short-term-repeatability:	0.1 ΔE^*_{94} on white (D50, 2°), with respect to the mean CIE Lab value of 10 measurements every 3 seconds on white	0.1 ΔE^*_{94} on white (D50, 2°), with respect to the mean CIE Lab value of 10 measurements every 3 seconds on white	0.1 ΔE^*_{94} on white (D50, 2°), with respect to the mean CIE Lab value of 10 measurements every 3 seconds on white
Measurement background:	white	white	white
Media length:	no limit	170 to 660 mm (6.7" to 26")	230 mm (9")
Media width:	i1 Ruler board: 335 mm (13,2")	i1iSis: 60 to 230 mm (2.4" to 9") i1iSis XL: 60 to 330 mm (2.4" to 13")	320 mm (12.6")
Media thickness:	no limit	0.08 to 0.45 mm (0.0031" to 0.0177")	max. 10 mm (0.39")
Minimal patch size:	10 x 10 mm (0,39" x 0,39")	6 x 6 mm (0.24" x 0.24")	6 x 7 mm (0,24" x 0,28")
Patches per chart:	N/A	1 to 3,000	1 to 1,696
Measurement speed:	N/A	660 patches per minute max. (in single measurement mode depending on patch size)	500 patches per minute (in scanning mode depending on patch size)
Testchart recognition:	N/A	Automatic internal barcode reader	N/A
Testchart technology:	Optimized testcharts for i1Pro manual scanning measurement	Testcharts with barcode identifier (optional) and optical testchart alignment correction technology	Optimized testcharts for high-speed scanning measurement and standard testcharts for patch-mode measurement
Interface:	USB 1.1	USB 1.1	USB 1.1
Physical dimensions:	151mm x 66mm x 67mm (6" x 2.6" x 2.6") i1 Ruler Board: 33.5 cm x 17 cm	i1iSis: 230 x 60 x 113 mm (9" x 2.4" x 4.5") i1iSis XL: 330 x 60 x 113 mm (9" x 2.4" x 4.5")	510 x 460 x 170 mm (20" x 18.1" x 6.7)
Weight:	185g (6.5 oz)	i1iSis: 3.2 kg (7.1 lb) i1iSis XL: 3.9 kg (8.6 lb)	4.5 kg (9.9 lb) (excluding i1Pro)
Power supply:	USB	100 - 240 V, 0.8 A, 50-60 Hz	100 - 240 V, 1.0 A, 50-60 Hz

