



i1PRO SPECTROPHOTOMETERS

Feature Comparison of new i1Pro 2 vs original i1Pro

A new standard of color perfection.

The new i1Pro 2 has been enhanced and redesigned to provide the ultimate in accuracy, versatility, ergonomics, functionality and value.



i1Pro 2

i1Pro



Measurement Illumination Conditions

Feature	i1Pro 2	i1Pro	Notes
M0 (ISO 13655-2009) Tungsten (NoFilter)	●	○ ¹	Single hand-held device accommodates multiple measurement conditions meeting current and emerging ISO standards for imaging workflows.
M1 (ISO 13655-2009) D50	●		
M2 (ISO 13655-2009) UV excluded (UVcut)	●	○ ¹	
OBC X-Rite Optical Brightener Compensation Technology	●		

Reflectance Measurement

Feature	i1Pro 2	i1Pro	Notes
Minimal patch size: Scan measurement	7 mm	10 mm	Smaller patch sizes when scanning ² allows for more patches per chart, use of smaller process control wedges and more data points per sheet, resulting in higher profile accuracy, faster measurements and savings on consumables.
Spot measurement	4.5 mm	4.5 mm	
Filterless dual scan measurement technology	●		This technology enables the ability to provide multiple measurement conditions through the combination of the device's two light sources (tungsten and UV LED).
Patch detection based on color differences between patches	●	●	Enables more robust scanning, even on critical substrates or low resolution prints, removing virtually all user errors, requiring less operator skills. This technology also enables the ability to measure M1 and M2 conditions, as well as Optical Brightener Compensation (OBC) measurements.
Positioning detection sensor	●		
Full floating guide rail for optimized sample to instrument distance	●		Maintaining an equal measurement distance from substrate to instrument nose provides more accurate measurements – especially on uneven substrates like corrugated board.
Aluminum ruler with improved solvent ink resistance	●		Provides increased ability to color control and color manage solvent ink printers.
Scanning measurement speed (Hz)	200	200 Rev B-D 100 Rev A	Higher scanning measurement speed allows for use of smaller patches and more data points per patch, resulting in higher profile accuracy and faster measurements.

Emissive Measurement

Feature	i1Pro 2	i1Pro	Notes
Measurement range on typical LCD display (cd/m ²)	0.2 - 1200	0.2 - 300	Supports LCD displays with high luminance backlight technology.
Sensor with enhanced temperature drift compensation	●		Best possible performance in display and projector profiling – avoid drift due to temperature change of the device during longer display measurement cycles.
Adaptive integration time based on patch luminance	●	○ ³	Reduces noise to attain better accuracy for measurements on dark patches.

¹ choice of fixed No Filter or UV Filter, but not interchangeable

² smaller patches can only be used with the new aluminum ruler

³ supported by i1Profiler v1.3 or later and applications using latest SDK

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Accuracy and Reliability

XRGA compatible for best inter-model-agreement	●	○ ³	XRGA (X-Rite Graphic Arts) is a device standard that removes discrepancies across different measurement technologies and creates efficiencies in color measurement and communication procedures.
Built-in wavelength calibration technology (self-check and correction)	●		Instrument can automatically self diagnose and correct for small shifts as well as identify recalibration needs.
White calibration tile protection	●		Larger white tile area ensures measurement accuracy and makes cleaning very easy; protective cover minimizes dust and dirt interference.
Cleanable optics protection glass	●		Removable optics protection glass makes it easy for user to clean, minimizing dust and dirt interference.
Status LED displays instrument calibration / service status	●		Visual indicators indicate calibration and service status of the device.
Power-check for USB port	●		The power from the USB port is monitored to ensure that adequate power is delivered from computer USB port to your i1 device, so you can be confident your device is functioning properly.

Usability and Accessories

Extruded aluminum frame with mechanical interface for accessories	●		Improved temperature stability – the aluminum frame works as heat sink providing best possible performance in display and projector profiling and adds stable connection between instrument and accessories.
User Guidance with status LED	●		Visual indicators guides the user through the measurement process and indicates status of the device.
Compatibility mode to work with software developed for original i1Pro	●		Confidently use your i1Pro 2 device in compatibility mode for M0 with any software that supports the original first generation i1Pro spectrophotometer, offering same functions you previously had access to.
Support for automated i1i0 scanning table	●	●	i1i0 second generation includes new footplate to fit both i1Pro 2 and first generation devices. i1i0 first generation owners can have table retrofitted for new i1Pro 2 device.
Monitor holder	●	●	New mechanical interface for easy instrument connectivity; beamer holder has removable base plate for direct tripod mount .
Spot color positioning tool	●	●	
Digital beamer (projector) holder	●	●	
Ruler and back-up board	●	●	Removable aluminum ruler makes it easy to measure media wedges; back-up board provides white background and holds test chart in place for scanning.
Ambient light head	●	●	The ambient light head appropriately captures ambient light for monitor and printer profiles. Each is custom calibrated to its specific i1Pro device for the most accurate measurements.
Carry case	●	●	Redesigned to fit new device and accessories, keeping all components secure and safe. New case is more ergonomic to carry when you want to take your i1 on the road.

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