i1PRO SPECTROPHOTOMETER
Feature comparison of i1Pro 3 Plus, i1Pro 3, and i1Pro 2

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

	i1Pro 3 Plus	i1Pro 3	i1Pro 2	
Measurement Illumination Conditions				
M0 (ISO 13655-2009) "Tungsten" (No Filter)	●	●	●	
M1 "D50"	●	●	●	
M2 "UV cut"	●	●	●	
M3 "Polarization with UV cut"	●			Polarization reduces chromatic highlights on fabrics & ceramics; provides more defined shadows on photographic papers.
Single Scan M0, M1, M2, and M3	●	●		Single pass scanning saves time and improves accuracy.
OBC X-Rite Optical Brightener Compensation Technology	●	●	●	
Reflectance Measurement				
Measurement Aperture	8mm	4.5mm	4.5mm	Larger aperture is optimized for new industrial materials like textiles, corrugated, grand format prints, specialty fine art photo papers, etc.
Minimum Patch Width: Scan Measurement	16x16mm	7x7mm	7x8mm	
Minimum Patch Width: Spot Measurement	14x14mm	6x6mm	7x7mm	
Position Detection Sensor	●	●	●	Enables more robust scanning, even on critical substrates or low resolution prints, removing virtually all user errors, requiring less operator skills.
Automatic Patch Recognition	●	●	●	This technology also enables the ability to measure M1 and M2 conditions, as well as Optical Brightener Compensation (OBC) measurements.
Maximum Scan Length	515mm	260mm	260mm	
Ruler Length	591	333	333	Longer ruler enables hand scanning of longer samples (grand format, etc.).
Sampling Rate (Hz)	400	400	200	Higher scanning measurement speed allows for use of smaller patches and/or more data points per patch, resulting in higher profile accuracy and faster measurements.
Emissive Measurement				
Maximum supported luminance (cd/m²)	5,000	5,000	1,200	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	●	●	●	Reduces noise to attain better accuracy for measurements on dark patches.
Supports transmission hand scanning	●			Enables scanning of transmissive fabrics, films, glass, etc. for backlit applications.

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Accuracy and Reliability				
Full-Spectrum LED Light Source	●	●		Improved reliability vs. tungsten bulb.
XRGA compatible for best inter-model-agreement	●	●	●	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.
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.
Locking Cable Port	●	●		Enables device to be secured, via a standard PC type locking cable.
Polarization Filter (M3)	●			Included polarization filter can be used instead of normal glass filter to improve measurements of many materials.
Mountable Calibration Base	●	●		Enables calibration base to be easily secured, with standard screws.
White Backer Board	●	●	●	Optimized backer board provides ISO compliant white background for more accurate measurements.
User Guidance with Status LED	●	●	●	Visual indicators guides the user through the measurement process and indicates status of the device.
Support for Automated i1iO Scanning Table	●	●	●	i1iO third generation includes new footplate to fit i1Pro 3 Plus.
Monitor Holder	●	●	●	For convenient display profiling.
Spot Color Positioning Tool	●	●	●	New mechanical interface for easy instrument connectivity.
Digital Beamer (projector) Holder	●	●	●	Beamer holder has removable base plate for direct tripod mount.
Aluminum Ruler with Improved Solvent Ink Resistance	●	●	●	Removable aluminum ruler makes it easy to measure media wedges.
Ambient Light Head	●	●	●	Custom calibrated diffuser to each specific i1Pro device for the most accurate measurements of ambient light.
Carry Case	●	●	●	Designed 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 i1Pro on the road.

For more information, please visit xrite.com or contact your local X-Rite sales representative.

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