X-Rite i1Pro3 Plus
Color Profiling Without Limitations

Spectral Engine

i1Pro 3 Plus: i1® technology (holographic diffraction grating with 128 pixel diode array) with built-in wavelengths check

Spectral Range:	380 - 730 nm
Physical Sampling Interval:	3.5 nm
Optical Resolution:	10 nm
Reporting:	380 nm … 730 nm in 10 nm steps
Measurement Frequency in Scanning Mode:	400 measurements per second

Optics

Measurement Geometry:	45°:0° ring illumination optics, ISO 13655:2017
Measurement Aperture:	8 mm (0.31") diameter (effective measurement aperture during scanning is depending on the patch size and measurement speed)
Illumination Spot Size:	12 mm (0.47")
Light Source:	i1Pro3 Plus LED Illumination (including UV)

Reflectance Measurement

Measurement Condition:	M0 - UV included - ISO 13655:2017 M1 - D50 - ISO 13655:2017 M2 - UV excluded - ISO 13655:2017 M3 - Polarization - UV excluded - ISO 13655:2017
OBC:	Optical Brightener Compensation (OBC) with i1Profiler software
Calibration:	Manual on external ceramic white reference
Measurement Background:	White, ISO 13655:2017; for measurements on backup board
Minimal Patch Size In Spot Mode:	14 x 14 mm (0.55" x 0.55") (Width x Height)
Minimal Patch Size In Scanning Mode:	• 16 x 16 mm (0.63" x 0.63") (Width x Height) with i1iO • 16 x 16 mm (0.63" x 0.63") (Width x Height) with sensor ruler • 20 x 16 mm (0.79" x 0.63") (Width x Height) without sensor ruler • 20 x 16 mm (0.79" x 0.63") (Width x Height) with sensor ruler in M3 Mode • 22 x 16 mm (0.87" x 0.63") (Width x Height) without sensor ruler in M3 Mode
Maximum Scan Length:	515mm (20.28")
Inter-Instrument-Agreement:	0.4 ΔE00* average, 1.0 ΔE00* max. (deviation from X-Rite manufacturing standard at a temperature of 23°C (73.4°F) on 12 BCRA tiles (D50, 2°))
Short-term Repeatability:	0.1 ΔE00* on white (D50,2°, mean of 10 measurements every 3 s on white) spectral radiance [mW/nm/m2/sr], luminance [cd/m2]

Emission Measurement

Measurement Range:	0.2 - 5000 cd/m2 on a typical LCD-Monitor
Short-term Repeatability:	x,y ±0.002 typ. (5000 K, 80 cd/m2)

Ambient Light Measurement

i1Pro 3 Plus:	Spectral irradiance [mW/nm/m2], illuminance [lux] cosine corrected diffusor light measurement head

Interface

USB 1.1

Power Supply

Device powered by USB. No additional charger or battery required. USB 1.1 high power device.

Operating Conditions

Temperature:	10°C (50°F) – 35°C (95°F)
Humidity:	0% – 80% non-condensing

Physical Dimensions

i1Pro 3 Plus Device:	Length 162 mm, width 69 mm, height 64 mm (6.4" x 2.7" x 2.5")
i1Pro 3 Plus Ruler:	Length 591mm, width 122 mm (23.3" x 4.8")
i1 Pro 3 Plus Backup Board:	Length 670 mm, width 452 mm (26.4" x 17.8")
Weight i1Pro 3 Plus Device:	285 g (10.0 oz)

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CALDERA - 1 rue des Frères Lumière - P.A. d'Eckbolsheim - BP 78002 - 67038 Strasbourg Cedex 2 - France
www.caldera.com -Tel. +33 388 210 000 - Fax +33 388 756 242 - contact@caldera.com