

X-Rite i1Profiler 3.6.2

Release Notes

New for the 3.6.2 Release

The following features and improvements have been added for this macOS only release:

General Application

New Features

None

Bug Fixes

Fixes issue where i1Profiler cannot detect internal or connected displays on systems using Apple M2 Pro and M2 Max processors.

Minimum suggested hardware requirements

Macintosh®:

macOS 11 x through macOS 13.x

All Operating Systems should have the latest updates installed

4 GB RAM

Intel® Core i3 Processor (2013 or later)

2 GB of available disk space

Powered USB Port

Monitor resolution of 1024x768 pixels or higher

Dual display support requires either 2 video cards or a dual head video card that supports dual video LUTs being loaded

Latest drivers for video card installed

High-speed Internet connection required for software install, download and automatic software update

User must have Administrator rights to install and uninstall the application

Windows®:

Microsoft® Windows 10® 32 or 64 bit

Microsoft® Windows 11®

All Operating Systems should have the latest updates and Service Packs installed

4 GB RAM

Intel® Core i3 Processor (2013 or later)

2 GB of available disk space

Powered USB Port

Monitor resolution of 1024x768 pixels or higher

Dual display support requires either 2 video cards or a dual head video card that supports dual video LUTs being loaded

Latest drivers for video card installed

Network adaptor installed and driver loaded

High-speed Internet connection required for software install, download and automatic software update

User must have Administrator rights to install and uninstall the application

Open Source/ 3rd Party Software:

A credits folder is located in the following paths:

Windows: Installation Folder\Program Files(x86)\X-Rite\i1Profiler\Credits

Mac: Inside of Application package: Contents/Resources/Credits

Known Issues

The measurement algorithm used for transmissive hand-scanning of the light box does not have error checking. Please verify all measurements visually on screen before proceeding to the next workflow step.

The i1Profiler Tray application (Mac only) has a memory leak when doing ambient monitoring. Restart the tray periodically to release system memory.

There is a refresh issue when scrolling within the gamut view window. If the screen does not refresh correctly, click anywhere within the application window and the gamut view will update.

Profiling and optimizing profiles with very large patch sets (>3000) will require a very large amount of RAM. If profiling fails, reduce the amount of patches in the test chart.

Monitor calibration does not work when multiple monitors are in mirror mode (this issue affects Windows® installations only.)

i1Profiler does not support the calibration of displays connected via AirPlay.

If you have problems loading the display profile after it has been created or if the system cannot load the display LUTs, turn off Automatic Display Control (ADC) on the measurement page and try again.

i1Profiler uses OpenGL to display the profile's 3D gamut. If you encounter a problem with the gamut preview, make sure that your video card drivers are up to date.

i1Profiler can import CGATS measurement files from other applications. However, the color engine has been optimized to work with the patch sets generated within i1Profiler. The profile quality from profiles made entirely within the i1Profiler workflow will exceed profiles made from legacy charts and measurements. In the case of CMYK+N profiles, some legacy patch sets may not even build a profile successfully. It is strongly recommended that users build new charts within i1Profiler for CMYK+N profiling.

If you are using Ambient Smart Light Control when making your display profile, expect to get higher Delta E values in Display QA. This function optimizes profiles for visual appearance based on measured ambient conditions not for minimal Delta E.

The i1ProfilerTray application looks for connected displays at launch. If you disconnect or connect a display, the i1ProfilerTray will not see the change until it is restarted, the user logs out or the system is restarted. On Windows the i1ProfilerTray can be restarted from the Programs\Startup menu, on Mac, the tray is located in the same folder as the i1Profiler application.

The application may lose its connection to a measurement device if the computer goes into sleep or hibernation mode. If this happens, disconnect and reconnect the device to restore the connection.

Installation of older applications that use the previous version of X-Rite Device Services may cause i1Profiler to not connect with devices or to not launch. If this occurs, reinstall i1Profiler to restore the latest Device Services.

If you encounter any problems connecting to your measurement device, please disconnect and reconnect the device to restore the connection.

Make sure your i1iSis power button is on when you connect the USB cable. If you connect with the button off, then turn the power on, the i1iSis will not be seen.

The i1iO device does not support single row charts.

Change History

Version 3.6.1

New Features

None

Bug Fixes

Miscellaneous minor bug fixes.

Version 3.6.0

New Features

Adds support for Apple® macOS 13 (Ventura).

Adds a spot color comparison tool that lets i1Pro 3 and i1Pro 3 PLUS users measure and compare two colors.

Adds the ability for the i1iO to scan charts in a single direction (left to right or right to left) for textile and other applications.

Adds patch set and test chart assets for the Idealliance TC1617x printer characterization target.

Adds patch set and test chart assets for the Idealliance ECG CMYKGOV printer characterization target.

Adds support for the Fogra MediaWedge CMYK® V3.0 LFP V2.0.

Adds support for the ColorChecker Passport and ColorChecker Mini targets in scanner profiling.

Expands the allowable x,y values for custom white points in display profiling.

Improves the help topic for the Neutralize Gray slider in the printer profile settings.

Bug Fixes

Fixes issue where profiling test charts could not be printed directly from i1Profiler with color management turned off (macOS only.)

Fixes issue where automatic cropping of scanner targets was failing.

Fixes issue where the smoothing control for 7 and 8-color printer profiles would produce bad profile quality.

Fixes issue where i1Pro 3 and i1Pro 3 PLUS test charts were not being laid out to utilize the full scanning row length of the device.

Fixes an issue where the i1iSis device family was not handled correctly when loading workflows in the Measure Reference chart workflow.

Fixes an issue where i1Profiler would crash if the ADC function was enabled in display calibration.

Fixes an issue where i1Profiler would crash at launch if a connected display did not report a serial number to the application.

Fixes an issue where the text on test charts saved in the TIFF format is corrupted on macOS 12 (Monterey).

Removes outdated wedge layouts from Printer QA workflows.

Removes outdated video links from i1Profiler home screen.

Version 3.5.0

New Features

Adds support for Apple® macOS 12® (Monterey).

Adds support for Microsoft® Windows 11®.

Adds support for ISO 12647-8 verification standard in Printer QA for the Ugra/Fogra Media Wedges.

Adds support for ISO 12647-8 verification standard in Printer QA for the Idealliance Media Wedges.

Adds support for smaller paper sizes.

Adds support for profiling patch sets with as few as 50 patches.

Adds ability to print test charts in mirror mode directly from i1Profiler.

Adds analytic data gathering option to help X-Rite improve future releases of the software.

Bug Fixes

Fixes an issue that produced poor device link profile quality for some profile combinations.

Fixes an issue that incorrectly reported a measurement condition mismatch error in profile optimization.

Fixes an issue with incorrect ΔE values being saved in the Printer QA report for Japan Color.

Fixes an issue with incorrect ΔH calculation for primaries for ISO 12647-7 in Printer QA.

Version 3.4.0

New Features

Adds support for the Apple M1 chip.

Adds support for macOS 11 (Big Sur.)

Bug Fixes

None

Version 3.3.0

New Features

Adds support for transmissive profiling using the i1iO 3 table (with i1 Pro3 PLUS only).

Adds the ability to save multichannel (CMYK+N) test charts in the TIFF format.

Bug Fixes

Fixes issue where the Japan Color large chart layout is incorrect if switching between i1iO 2 and i1iO 3.

Fixes issue where Automatic Display Control (ADC) was broken for some macOS displays

Version 3.2.2

New Features

None

Bug Fixes

Fixes issue where i1iO 2 test charts could not be read with the i1iO 3. With this release, i1iO 2 legacy charts can be read with the i1iO 3 in spot mode only. Scanning will be added in a future release.

Fixes issue where an extra page was being added in the transmissive workflow during measurement of the light box.

Version 3.2.1

New Features

Adds support for the i1Pro 3 PLUS spectrophotometer and the i1iO 3 PLUS automated scanning table in the Print Quality workflow.

Adds support for the IDEAlliance LFP target in the Print Quality workflow for use with the i1Pro 3 PLUS.

Adds support for FOGRA 53 and 54 reference measurements.

Drops support for Microsoft® Windows 7 operating system.

Bug Fixes

Fixes issue where the Start Measurement button in the display profiling workflow was hidden on some systems.

Fixes issue where Japan Color targets in the Print Quality workflow could only be read in spot mode.

Fixes issue where highlighting of the largest ΔE^* patches in the Display and Printer Quality workflows was not working.

Version 3.2.0

New Features

Adds support for the i1Pro 3 spectrophotometer and the i1iO 3 automated scanning table.

Removes all support for revisions A through D of the i1Pro spectrophotometer (i1Pro 1). The i1Pro 1 has reached end of life and is no longer supported for service.

Bug Fixes

Fixes multiple bugs in the Printer Quality workflow:

Fixes issue where reports could not be generated for IDEAlliance and Fogra targets.

Fixes issue where ISO 12647-7 test criteria were not reported correctly.

Fixes issue where Japan Color targets could not be analyzed using live measurements.

Fixes issue where profiles created with non-D50 illuminants were built incorrectly.

Fixes issue where Measure Reference workflows could not be saved for CMYK+N data.

Version 3.1.1

New Features

Adds support for macOS 10.15 (Catalina).

Improves scanning quality and reliability when creating transmissive printer profiles with the i1Pro 3 PLUS.

Adds ink limiting control when creating CMYK transmissive profiles.

Adds the ability to drag and drop assets in the transmissive workflow.

Adds new Hasp dongle driver with 64-bit support (macOS).

Bug Fixes

Fixes issue where i1Profiler crashes when entering the ColorChecker Proof workflow.

Fixes issue where spot measurements are not displayed correctly in transmissive workflow.

Version 3.1

New Features

Adds support for the iDisplay PLUS device. This device can accurately measure displays with

luminance up to 2000 nits.

Adds support for the BT.1886 EOTF (Gamma curve). This curve is the recommended standard for HDTV.

Version 3.0

New Features

Adds support for the i1Pro 3 PLUS large aperture spectrophotometer.

- Large 8 mm aperture, to support a wide range of substrates.
- Polarization filter (M3) to reduce specular effects on fabrics, ceramics, & glossy media.
- Captures M0, M1 and M2 in a single pass.
- Full spectrum LED light source.
- Measures up to 5k cd/m² for ultra-bright displays

Adds support for the i1iO 3 Automated Scanning Table

- Utilizes the i1Pro 3 PLUS features to allow measurement of a wider variety of substrates.
- Optional z-axis spacers allow measurement of very thick materials.

Introduces the ability to create ICC profiles for transmissive media; clear, translucent and textile.

Adds support for the ECG test chart and better support for patch sets created by third party applications.

Bug Fixes

Fixes issue where EPS files created for CMYK+N test charts were corrupted on Mac.

Fixes issue where i1Profiler Tray application will not launch on some MacOS systems.