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X-rite i1 display pro manual

X-rite i1 display pro user manual.

The X-Rite i1Display Pro is a calibration and profiling system for a display / projector. It helps to make sure that the colors on your display match those in your original picture or file. The i1Display features i1Profiler software for calibrating and profiling all modern display and projector technologies, including LED and Wide Gamut LCDs. It's also spectrally calibrated, which makes it field-upgradeable to support future display technologies. Using the free and downloadable ColorTRUE app for iOS and Android, the i1Display Pro may also be used to calibrate select phones and tablets. The system's ergonomic design incorporates 3 functions - ambient light measurement, monitor profiling, and projector profiling - into a very sleek, compact and fully integrated device with no parts to misplace.



Experience speeds up to 5X faster than previous devices! A custom-designed RGB filter set provides accurate color measurements, while the optical design allows for high repetition on the same display and across different display types for more consistent color matching. There's even a rotating diffuser arm that can be used as a stand for table top projector profiling, ambient light measurement, or as a cover for instrument optics. The conveniently integrated tripod mount is great for projector profiling in larger venues. The i1Display offers both 'Basic' and 'Advanced' modes, giving you the power to choose which one is best for you. Basic mode offers a wizard-driven interface with predefined options for the quickest path to professional on-screen color. Advanced mode offers user-defined options for more sophisticated profiling workflows, to deliver the highest quality color results on monitors and projectors, as well as display testing and quality assurance tools. Enjoy virtually infinite control of white point, luminance, contrast ratio, gamma and more, as well as multiple monitor and workgroup profiling. Intelligent Iterative Profiling is an adaptive technology that measures and analyzes the color capabilities of each unique display for increased profile accuracy. Create unique patch sets for optimal results in your profiling. Ambient Light Measurement automatically determines the optimum display luminance for comparing prints to your display, based on a measurement of the lighting conditions where the prints will be viewed. Ambient Light Smart Control performs measurement, compensation and ongoing monitoring of ambient lighting conditions, letting you decide whether you want the i1Display system to automatically adjust your profile or simply notify you as ambient light conditions change. Flare Correct measures and adjusts your display profile for reduced contrast ratios caused by flare light (or glare) falling on the surface of your display. By accurately measuring your effective display contrast ratio, you'll have a more precise display profile. 3 patch set sizes - small, medium, or large - allow you to increase your profile accuracy by measuring a higher number of patches. Choose your own combination of patch set size, extracted colors from specific images and/or PANTONE spot colors selected from the included PANTONE Color Manager software. The Automatic Display Control (ADC) technology automates the adjustment of your display's hardware, including brightness/backlight, contrast, and color temperature, in order to speed up the profiling process and eliminate manual adjustments--so there's less work for you! You can re-use profile settings on multiple displays connected to the same computer or to multiple computers within a workgroup.



Before and after images show instant results, and the handy profile reminder lets you know when it's time to re-profile your display. Easy-to-follow on-screen help guides and videos mean there are no extra manuals needed. When it comes to display quality assurance, this system can perform visual validation using pre-defined and user defined images. It can also do measurement-based validation in 3 different ways: Using industry standard targets and reference data sets (like SWOP, Gracol and Fogra), using PANTONE color and libraries, or using colors extracted from user defined images. You can also take advantage of user defined PASS/FAIL deltaE tolerance for average and maximum values. Additionally, the i1Display Pro features color accuracy trending over time. For a display uniformity test, measure white point and luminance uniformity over 9 locations on your display, and take control with user defined PASS/FAIL tolerance.



Ergonomic Design Incorporates 3 functions - ambient light measurement, monitor profiling, and projector profiling - into 1 sleek, compact and fully integrated device with no parts for you to misplace Advanced Filter and Optical Systems Custom-designed RGB filter set provides accurate color measurements, while the optical design allows for high rates of repetition on the same display and across different display types for more consistent color matching Nearly Universal Compatibility Works on all modern display technologies, including LED and Wide Gamut LCDs, and is also spectrally calibrated, which makes it field-upgradeable to support future display technologies! Great for Projector Profiling Rotating diffuser arm can be used as a stand for table top projector profiling, ambient light measurement, or as a cover for instrument optics, and conveniently integrated tripod mount is great for projector profiling in larger venues 'Basic' and 'Advanced' Options Basic mode's wizard-driven interface guides you through the profiling process in small, easy-to-follow steps, while Advanced mode provides additional pre-defined options for those users who want more color control User Control Enjoy infinite control of white point, luminance, contrast ratio, gamma and more, as well as multiple monitor and workgroup profiling Before and After Images Load instantly, so you don't have to wait Profile Reminder Handy tool notifies you when it is time to re-profile your display Guides On-screen help guides and videos are easy to understand and follow, so there are no extra manuals needed Ambient Light Measurement Automatically determines the optimum display luminance for comparing prints to your display, based on a measurement of the lighting conditions where the prints will be viewed Ambient Light Smart Control Performs measurement, compensation and ongoing monitoring of ambient lighting conditions, letting you decide whether you want the i1Display system to automatically adjust your profile or simply notify you as ambient light conditions change Flare Correct Measures and compensates for reduced contrast ratios caused by flare light (glare) falling on the surface of your display, giving you a more accurate display profile Intelligent Iterative Profiling Adaptive technology that measures and analyzes the color capabilities of each unique display, in order to provide maximum accuracy every time you profile Automatic Display Control Adjusts your display's hardware, including brightness/backlight, contrast and color temperature, to speed up its operation, eliminating manual adjustments--so there's less work for you Patch Sets 3 patch set sizes - small, medium, or large - allow you to increase your profile accuracy by measuring a higher number of patches, and you can choose your own combination of patch set size, extracted colors from specific images and/or PANTONE spot colors selected from the included PANTONE Color Manager software Display Quality Assurance / Validation Visual validation using pre-defined and user defined images, and measurement-based validation in 3 different ways: Using industry standard targets and reference data sets (like SWOP, Gracol and Fogra), using PANTONE color and libraries, or using colors extracted from user defined images; user defined PASS/FAIL deltaE tolerance for average and maximum values, plus color accuracy trending over time Display Uniformity Test Measure white point and luminance uniformity over 9 locations on your display, and take control with user defined PASS/FAIL tolerance In the Box X-Rite i1Display Pro i1Display Colorimeter i1Profiler Profiling Software for Displays / Projectors PANTONE Color Manager Software Quick Start Guide End User License Agreement: Unlimited Installations Limited 1-Year Warranty from Date of Sale Table of Contents