

Intelli Proof 201



no defects in a A5 landscape center, max. 2 in the remaining area

Proof-display with automatic 10 bit hardware calibration

Quato Intelli Proof TFT-display

Intelli Proof displays are perfectly suited for all graphic professionals and have been developed with the demands of the graphic arts business in mind. The integrated direct USB-hardware calibration adjusts whitepoint, gamma and luminance with 30 bit precision, based on 36 bit numerics. The user friendly iColor Display 2 software is easy to use and makes the complete calibration process a snap. The sophisticated software and hardware - combined with the 30 bit color output - ensures highly precise soft proofs.

- › 30 bit internal and external color
- › direct USB-control of the 3x 10bit LUT and the luminance inside the monitor
- › up to 300 cd/qm luminance, contrast 800:1
- › iColor Display 2 calibration software and hood included
- › precise 4 - channel colorimeter optional available
- › ugra display analysis and certification integrated into the Software
- › reference mode for exact monitor to monitor matching

Features

Precise adjustments

The Quato iColor Display 2 Software adjusts the Intelli Proof's internal calibration processing unit with 30 bit resolution. Instead of 100-256 steps with a software calibration, this solution uses 1024 steps to optimize the display's performance. Additionally the monitor is able to show 1024 gray or billions of colors by using a frame modulation technology. These features and the precise calibration algorithm ensure color deviation inside the gamut of below 1ΔDeltaE LAB.

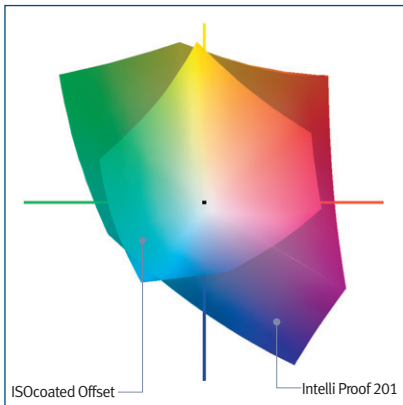
Software

iColor Display 2 not only adjusts the monitor automatically, it also sports many professional features: without changing the profile data, the user can adjust the curves for RGB visually to even match the displays colors better to any print out. The calibration results can be verified and allow to judge the displays's performance. A unique calibration restore function is also available. A gamut projection with a/b diagramm - in comparison to the offset printing reference ISOcoated - is included, too.

Picture quality

Thanks to the pure digital DVI-connection, the Intelli Proof's display performance is always perfect. Crisp images, high contrasts and smooth gradients are now available on the desktop. The S-IPS Panel combines 1600 by 1200 pixel resolution, 30 bit output and high viewing angles. It allows to show a complete A3 page plus tools on one monitor. The Intelli Proof 201 is therefore the ideal monitor for every color confident working environment and is the perfect replacement for calibrated CRTs.

Display and gamut



Absolute colorimetric gamut projection

The absolute colorimetric projection shows the high matching of the display's gamut with the offset reference and allows perfect soft proofs.



UGRA Display Analysis and Certification Tool (DACT)

The integrated UGRA DACT enables the user to analyse and certify the monitor according to the specifications of the UGRA for proof displays.



Precise color calibration

The optimal partner for the combination of Intelli Proof monitor and iColor Display 2 software is the precise Silver Haze Pro colorimeter (optional).

Specifications

Panel type

S-IPS

Panel size, speed and viewing angle

20.1" - 51cm, 16ms, 0.25mm Pixel, 99dpi
170° horizontal / vertical

Contrast and brightness

800:1, 300cd/m² (typical)

Native resolution and color depth

1600 x 1200 Pixel
30bit

Frequencies

horizontal 30- 92kHz, vertical 50 - 85Hz

Connections

1x digital DVI-D, 1x VGA, USB- calibration port, VESA-mount

Ergonomics

Swivel: -90° bis +90°
Tilt: -5° bis +35°
Height adjustment: 0-6 cm
Portrait function (with selected graphic boards)

Operating systems

Mac OS 9.2.2 und X (PPC/Intel) / Win 2000, XP

Pixel error policy

ISO 13406-II
no defects in the center

Waranty

36 month (EC only)

Dimensions and weight

450 mm x 490 mm x 220 mm (w/o hood)
9kg (w/o hood)

Power consumption

Max. 60 watts in use
3 Watt (off)

EMI-certifications

TCO 95, TÜV-type approved, FCC, CE, UL

Calibration

Automatic USB-hardware calibration with 3x 10 bit Look-Up Table and luminance (backlight brightness) inside the monitor, ugra display certification built-in

Software

automatic hardware calibration, RGB-curve adjustments, LUT- or Matrix/TRC-profile, DeltaE (LAB) certification of the profile, check if the profile is valid, a/b gamut projection in comparison to ISOcoated offset printing reference

Measurement device

Optional 4-channel Silver Haze Pro colorimeter

Supported measurement devices

Gretag Macbeth Eye-One series, Sequel Gamma 4cl colorimeter/OEM-Versions, Silver Haze (Pro) colorimeter, X-Rite DTP-94, Monaco Optix (XR)

Part number

080207 Intelli Proof 201 Pro
Monitor, software, hood, sensor

Intelli Proof 201 Basic
Monitor, software, hood



Specifications are subject to change without notice