Intelli Proof 220 *le*

QUATO®

Gamut Plus Technology

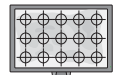12bit Precision

3 Year Warranty

Remote Proof Ready

Area Dimming Control

Wide gamut photo and proof display with 12bit hardware calibration and uniformity compensation

The Intelli Proof 220 LE is perfectly suited for prepress users, graphic artists and photographers which demand a wide color gamut with 93% Adobe-RGB match and 100% ISOcoated v2 match. The integrated USB-hardware calibration adjusts whitepoint, gamma and luminance with up to 36bit precision. The user friendly iColor Display software makes the complete calibration process a snap. The sophisticated software, combined with the Intelli Proof´s calibration hardware and the ability to render billions of shades, ensures vivid colors and smooth gradients for perfect image editing.

› S-PVA Wide Color Gamut TFT with WCGCCFL-Backlight
› ADC - direct backlight with active 3x3 area uniformity compensation
› direct USB-control of the 3x12bit LUT with 48bit precision
› up to 300cd/m^2 luminance, contrast 1.000:1
› iColor Display 3 LE calibration software and hood included
› precise Silver Haze Pro colorimeter optionally available

Science and Simplicity

Features

Precise adjustments

The Quato iColor Display Software adjusts the Intelli Proof 220 le´s internal calibration processing unit with up to 36bit resolution. Instead of only up to 256 steps with a software calibration, this solution uses up to 4.096 steps to optimize the display. Additionally the monitor is able to show 1024 gray or billions of colors by using a frame modulation technology. Plus, the ADC uniformity circuit ensures a uniform color and luminance distribution over the whole screen area.
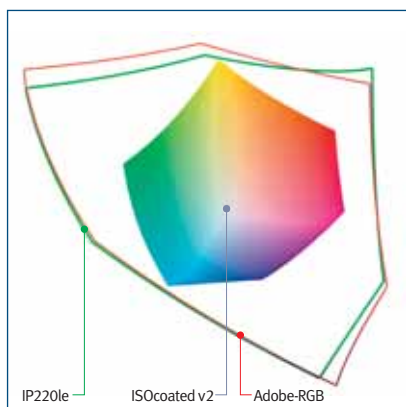
Software features

iColor Display le not only adjusts the monitor automatically, it also sports many professional features: the calibration results can be verified by Quato´s internal certification. That allows an objective judgement of the displays´s performance . A unique calibration restore function is also available. The gamut projection with a/b diagramm - in comparison to up to 2 additional profiles - is included, too. An upgrade to the full featured iColor Display - including UDACT certification - is possible.

Softproof and Image Editing

The Intelli Proof 220 le allmost covers Adobe-RGB. Due to this large gamut, the Intelli Proof 220 le is able to reproduce nearly the full ISOcoated v2 gamut and matches Adobe-RGB by around 93%. This makes the display ideally suited for photographers with an Adobe-RGB based D-SLR workflow. The large ISOcoated v2 coverage matches the needs of prepress users and graphic arts that need an overall excellent display for both, content creation and color judgement

Gamut and Workflow

IP220le — ISOcoated v2 — Adobe-RGB

Colorimetric gamut projection

The relative colorimetric projection shows the perfect match between the display´s gamut, the offset reference and Adobe-RGB.

Precise color calibration

The optimal partner for the Intelli Proof and iColor Display 3 software is the precise Silver Haze Pro colorimeter (optional). Together with iColor Print incl. certification, iColor Ouput with Ugra/Fogra MediaWedge and the softproof viewer iColor Proof, a complete color managed workflow is possible.

Specifications

Panel type
Wide Color Gamut S-PVA

Gamutsize and match
92%   NTSC (CIE1931)
100%   ISOcoated v2 (UDACT)
90%   ECI-RGB match
93%   Adobe-RGB match

Panel size, speed, viewing angle
22"- 56cm, 47.4x29.6cm visible area, 12ms, 0.28mm pixel pitch, 89dpi, 178° horizontal/vertical

Contrast and brightness
1.000:1, 300cd/m^2 (typical)

Native resolution and colors
1680 x 1050 Pixel @ 30bit FM - 1.7mp

Uniformity compensation
Dedicated ADC circuit with with active 3x3 area uniformity control for color and luminance

Frequencies
Horizontal 30- 92kHz, vertical 50 - 85Hz

Connection
1x digital DVI-D, 1x analogue VGA, combined USB-port for calibration and uplink, internal active 2 port USB-2.0-Hub, 100mm VESA-mount

Pixel error policy
ISO 13406-II, max. 3 defects

Warranty
36 month (EC only)

Dimensions and weight
560 mm x 500 mm x 220 mm (w/o hood)
15kg (w/o hood)

Power consumption
Max. 80 watts in use, 0.5 watts (off)

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

Operating systems
Mac OS X from 10.3
Windows XP32, Windows 7 & Vista 32/64

Calibration
Automatic DDC identification with 36bit USB-hardware calibration, 3x 12bit Look-Up Table

Measurement device
Optional 4-channel Silver Haze Pro colorimeter

Supported measurement devices
Xrite EyeOne series, Silver Haze Pro colorimeter, Xrite DTP-94, Monaco Optix XR, Datacolor Spyder 2/3

Part number
080305 Intelli Proof 220 le
(Monitor, software, hood)