

Intelli Proof 240 LED *excellence*



Fogra Cert Softproof



ugra certification



Gamut Plus Technology



16bit 3D LUT



Zero Defects Policy*



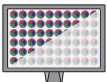
3 Years Warranty



Remote Proof Ready



Area Dimming Control



LED Backlight Unit



*zero pixel failures in the center (46 size), max. 2 defective pixels on the screen

Extended Wide Gamut proof display with 16bit 3D hardware calibration, 108% NTSC LED backlight and uniformity compensation

The Intelli Proof excellence LED is perfectly suited for all high end graphic professionals and photographers which demand a true match with Adobe-RGB, ECI-RGB and ISOcoated v2. The integrated direct USB-hardware calibration adjusts whitepoint, gamma and luminance with up to 48bit precision. The true 10bit color rendering ensures vivid colors and smooth gradients for highly precise soft proofs and perfect image editing. Additionally, the integrated ugra UDACT allows a user based certification of the display at any time. Plus, video professionals benefit from the HD compatibility including HDCP and the simulation of different color standards like SMPTE-C or BT.709.

- › S-IPS Wide Color Gamut TFT with RGB LED-Backlight and native 10bit signal processing
- › ADC - direct backlight with 1.620 RGB-LEDs and active 105 area uniformity compensation
- › direct USB-control of the 3x16bit 3D LUT with 48bit precision and advanced color matching
- › up to 250cd/m² luminance, contrast 1.000:1
- › DVI with HDCP and 10bit DisplayPort interfaces
- › Complies to Class A according to the Fogra Cert Softproof Programme
- › iColor Display 3 calibration software incl. UDACT and hood included

Features

Precise adjustments

The Quato iColor Display Software adjusts the Intelli Proof's internal calibration processing unit with up to 48bit resolution. Instead of only up to 256 steps with a software calibration, this solution uses up to 65.535 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 for both, the LED-backlight and the panel.

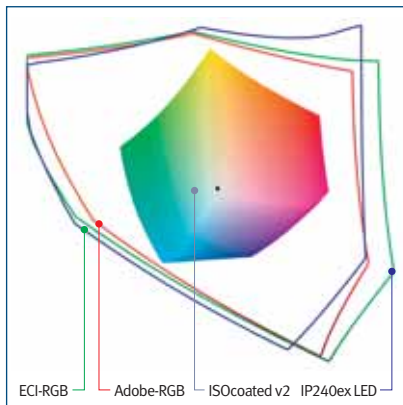
Software features

iColor Display not only adjusts the monitor automatically, it also sports many professional features: the calibration results can be verified by either Quato's internal certification, the ugra-DACHT standard or according to SWOP. That allows an objective judgement of the displays's performance - including the certification for softproofing. 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.

Softproof and Image Editing

Unlike other wide gamut displays, the Intelli Proof 240 excellence LED almost covers both, ECI-RGB and Adobe-RGB. Due to this large gamut, the Intelli Proof excellence is also able to reproduce nearly the full ISOcoated v2 gamut. This makes the display ideally suited for high end photographers with an Adobe-RGB based D-SLR workflow. Professional color correction and prepress professionals will also benefit from the large gamut and unparalleled color precision thanks to real 10bit color.

Gamut and Workflow



Colorimetric gamut projection

The relative colorimetric projection shows the perfect match between the display's gamut, the offset reference and ECI-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

Extended Wide Color Gamut S-IPS with LED-BLU

Gamutsize and match

108% NTSC (CIE1931)
100% ISOcoated v2 (UDACT)
96% ECI-RGB match
100% Adobe-RGB match

Panel size, speed, viewing angle

24" - 60cm, 51.8x32.4cm visible area,
12ms, 0.27mm pixel pitch, 94dpi,
178° horizontal/vertical

Contrast and brightness

1.000:1, 250cd/m² (typical)

Native resolution and colors

1920 x 1200 Pixel @ 30bit native - 2.3mp

Uniformity compensation

Dedicated ADC circuit with with active 105 area uniformity control for color and luminance

Frequencies

Horizontal 30- 92kHz, vertical 50 - 85Hz

Connection

1x digital DVI-D (HDCP), 1x analogue/digital DVH, 10bit DisplayPort, combined USB-port for calibration and uplink, internal active 2 port USB-2.0-Hub, 100mm VESA-mount

Pixel error policy

ISO 13406-II, plus zero defects in the center

Warranty

36 month (EC only)

Dimensions and weight

602 mm x 520 mm x 220 mm (w/o hood)
15kg (w/o hood)

Power consumption

Max. 60 watts, < 2 watts StandBy, 0 watts (off)
EUP regulation compliant

EMI-certifications

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

Operating systems

Mac OS X from 10.3.9 (32bit)
Windows XP 32, Vista & Windows 7 32/64bit

Calibration

Automatic 48bit USB-hardware calibration with 3x 16bit 3D Look-Up Table and luminance inside the monitor, dedicated luminance stability circuit for Panel and Backlight, UDACT display analysis built-in

Video support

1080i/p (including 24p), 720p, SD (PAL/NTSC), Faroudja de-interlacing/motion compensation, HDCP content protection via DVI (HDMI mode)

Measurement device

Optional 4-channel Silver Haze Pro colorimeter

Supported measurement devices

Gretag Macbeth Eye-One series, Silver Haze Pro colorimeter, X-Rite DTP-94, Monaco Optix XR, Datacolor/Colorvision Spyder 2/3

Part number

090001 Intelli Proof 240 excellence LED (Monitor, software, hood)



QUATO

Quatographic Technology GmbH
Hansestrasse 47b

38112 Braunschweig
Germany

fon: +49-(0)531-281381
fax: +49-(0)531-2813899

url: www.quato.de
mail: info@quato.de