QUATO®

Proof View 700

ugra Certification

12bit Precision

3 Year Warranty

Remote Proof Ready

Press Room Ready

Proof-Display for color control directly on the press or in a stationary normlight booth with ISO3664 compliant luminance

The Proof View 700 was especially developed to avoid the non ISO3664 compliant dimming of lightsources in the viewing booth, the control desk or at the press. Thanks to its high luminance level of 700cd/m^2 (ca. 2.200 Lux), the display can be operated within the ISO3664 viewing condition P1 compliant illumination range of 2.000 Lux (+/- 500 Lux). For the first time, users can instantly check the print or proof with the display´s softproofing without reducing the brightness down the standard 450 Lux level of viewing condition P2. This speeds up work, gives more flexibility and avoids potential issues due to inappropriate illumination levels.

› S-IPS-Pro Panel with direct CCFL-Backlight
› direct USB-control of the 3x12bit LUT with 48bit precision
› up to 700cd/m^2 luminance, contrast 1.000:1
› iColor Display 3 calibration software and hood included
› precise Silver Haze Pro colorimeter (optional) recommended
  for high luminance measurements

Science and Simplicity

Features

Precise adjustments

The Quato iColor Display Software adjusts the Intelli Proof´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 1.024 grays or billions of colors by using a FRC technology. Plus, the direct 12 CCFL-Backlight ensures a uniform luminance distribution over the whole screen area while the integrated circuits keeps the luminance stable.
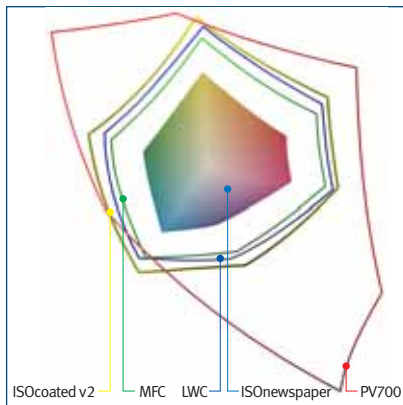
Software features

Besides the hardware calibration, iColor Display sports many professional features like the visual whitepoint adjustment to match the screen to a viewing booth. The calibration results can be verified by either the Ugra-DACT 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 allows to store calibrations for different paper types and improves the flexibility.

Softproof and Image Editing

In contrast to other displays, the Proof View 700 is optimized for being used on the press, at the control desk or a stationary viewing booth. The high luminance matches exactly the requirements of ISO3664 viewing condition P1 without dimming the viewing booth. The display is able to reproduce nearly 90% of ISOcoated v2 or 100% of ISOnewspaper and PSO standards, making it the perfect solution for Weboffset with LWC, MFC, SNP or uncoated paper or newspaper substrates.

Gamut and Workflow

ISOcoated v2   MFC   LWC   ISOnewspaper   PV700

12 CCFLs

Colorimetric gamut projection

The relative colorimetric projection shows the close match between the display´s gamut, ISOcoatedv2 and ISOnewspaper.

Precise color calibration with highest luminance

The direct high power Backlight with 12 CCFLs enables the PV700 to reach the ISO3664 viewing condition P1 equivalent luminance range of $480cd/m^2$. to $630cd/m^2$. Using the PV700 in a stationary viewing booth with direct print to display comparison ensures a dimming-free and highly precise softproofing workflow.

Specifications

Panel type
S-IPS Pro (industrial type)

Panel size, speed, viering angle
21.3" - 54cm, 16ms
178° horizontal / vertical

Contrast and brightness
1000:1, $700cd/m^2$ (max.)

Native resolution and colors
1600 x 1200 Pixel @ 30bit (Frame-Modulation)

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

Connection
1x digital DVI-D, 1x VGA, USB-port for calibration, active internal USB-Hub 1up/2down (self powered), VESA-mount 100

Ergonomics
Swivel: -75° to +75°
Tilt: -5° to +15°
Height adjustment: 0-6 cm
Portrait function (with selected graphics cards)

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

Pixel error policy
ISO 13406-II

Waranty
36 month (EC only)
Backlight aging is not covered by the warranty

Dimensions and weight
480 mm x 520 mm x 220 mm (w/o hood)
12kg (w/o hood)

Power consumption
Max. 100 watts in use, 3 Watt (off)

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

Calibration
Automatic USB-hardware calibration with 3x 12 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/slicer in comparison to up to three profiles

Recommended measurement devices
Silver Haze Pro colorimeter (optional) for high brightness measurements up to $700cd/m^2$

Supported measurement devices
Xrite EyeOne Pro (only up to $400cd/m^2$),
Xrite EyeOne Display 2, Monaco Optix XR,
Datacolor Spyder 2/3

Part number
080303 Proof View 700
Monitor, software, hood