

X-Rite Eye One Display 2



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With the increasing popularity of digital photography is increasingly asked to monitor the requirement of a constant, predictable color reproduction.

GretagMacbeth offers with the Eye-One Display 2 is a simple and largely automated color management solution for monitors, which makes manual adjustment of brightness, contrast, white point and monitor unnecessary.

The profiling is done with a single touch, despite the ease of the calibration tool but will not compromise on precision, versatility and functions.

The Eye-One Display 2 features a new sensor, which compared to the previous higher repeatability, faster measurements, a higher sensitivity in low light areas and a more neutral gray scale features.

Included is the enhanced Eye-One Match 3.0 software, which many new features like a new color-matching formula, custom luminance settings and has a new gray balance optimization function.

The package is Mac and Windows compatible.

Specifications

General

Interface: USB * data and power supply

Data format: luminance Y **: cd/m² * chroma: x, y ** (** CIE XYZ, according to CIE 1931)

Refresh rate Monitor frequencies: 40 Hz to 150 Hz

Cycle time Time per measurement: typical 1 second per patch

Physical dimensions Length 84mm, width 64mm, 35mm (3.3 x 2.5 x 1.4 in) height

Weight 52 g (1.9 oz)

Performance

Dynamic range Black point: 0.05 cd/m²

White point: up to 1,000 cd/m²

Accuracy (LCD) Luminance: Y: typical + / - 2%

Chroma x, y: typical + / - 0.006

Accuracy (CRT) Luminance: Y: typical + / - 2%

Chroma x, y: typical + / - 0.004

Repeatability Luminance: Y: typical + / - 1%

Chroma x, y: typical + / - 0.002

Color temperature CCT (correlated color temperature)

range: typical 4000K to 120000K

accuracy: typical + / - 250K

Measurement conditions

The above are specifications of the Eye-One Display where:

First Sensor is housed in CL skins with proper adapter attached for measurement

Second Accuracy values ??are given relative to the NIST-certified reference at manufacturer

Third Repeatability measurements are stated for same-sensor/no-dismount situation

4th All measurements are dark current corrected

5th Room temperature of 20 degrees C, + / - 5 degrees

6th CRT display is set to white of D50 (x.346, y.359) in a darkened room, luminance is set to 80 cd/m² or greater at full white, at EBU or P22 phosphor set

7th LCD display is set to white of D65 (x.313, y.329) in a darkened room, luminance is set to 120 cd/m² or greater at full white

System Requirements

Macintosh ®

Mac OS X (10.2 or higher)

Apple® ColorSync® or higher 3:03
128 MB of available RAM
80 MB of available hard disk space
Monitor resolution of 1024 x 768 pixels or higher
USB support

Windows®
Windows® 2000 or XP
Processor: Pentium® II, 266 Mhz or higher
128 MB of available RAM
80 MB of available hard disk space
Monitor resolution of 1024 x 768 pixels or higher

Power Conditions

Powered by USB, no additional charger required: USB low power class device

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