



EIZO Introduces ColorEdge® CG242W LCD Monitor for Still and Moving Image Work

Hakusan, Japan, September 16, 2008 – Eizo Nanao Corporation (TSE: 6737) today announced the ColorEdge CG242W color calibration LCD monitor. This 24.1-inch widescreen monitor is designed for both still and moving image graphics work including pre-press, digital photography, video editing, and post-production.

The ColorEdge CG242W has a native resolution of 1920 × 1200 (16:10 aspect ratio). The maximum brightness is 270 cd/m², contrast ratio is 1100:1, and horizontal and vertical viewing angles are 178°. The wide gamut LCD panel reproduces 97% of the Adobe RGB color space which is often used in printing and digital photography. It also reproduces color spaces used in broadcasting such as PAL/SECAM, SMPTE-C, and HDTV.

The ColorEdge CG242W offers hardware calibration so the monitor itself is calibrated rather than the computer's graphics board. This ensures no tones are lost in the calibration process and results in accurate on-screen color. EIZO's ColorNavigator calibration software¹ is bundled with the monitor and is used for setting the target values for brightness, white point, and gamma. ColorNavigator works with a measurement device² to directly utilize the monitor's 12-bit look-up table for accurate calibration in less than five minutes.

A 3D look-up table improves the panel's additive color mixture (combination of red, green, and blue), a key factor in its ability to achieve gray balance or a neutral gray tones. This means that if the monitor is set to a specific color temperature such as 5000 K, all grayscale tones from 0 – 255 will be 5000 K.

To counteract the brightness and chroma uniformity errors characteristic of LCD panels, the ColorEdge CG242W comes with EIZO's Digital Uniformity Equalizer (DUE) function. DUE ensures the entire screen will be practically uniform at each gray level.

16-bit internal processing produces smooth display of grayscale tones. This brings out a high level of detail in dark areas of an image, which are typically problematic for LCD monitors to display.

DisplayPort and DVI-I inputs are included for connection to two PCs. The DisplayPort³ input provides a digital interface through a high-bandwidth connection. The DVI-I input accepts both analog and digital signals. The DVI-I input also supports high bandwidth digital content protection (HDCP) for viewing of content from HDCP-equipped devices.

EIZO calibrates each unit of the ColorEdge CG242W at its factory in Japan to produce a gamma curve of 2.2. EIZO measures every tone from 0 – 255 to produce a gamma curve of 2.2, and includes an adjustment certificate in the packaging to verify the results.

Additional Features

- 82 mm height adjustment, 40° tilt, 70° swivel, and 90° pivot for portrait display.



- Simulates two types of color vision deficiency – protanopia and deuteranopia – for verification of how color schemes appear to those with color blindness⁴. All simulation is done in real time for both still and moving images, making it a practical alternative to software-based tools.
- 6 ms midtone response time for smooth playback of moving images.
- USB 2.0 hub with one upstream and two downstream ports.
- Compliance with TCO'03 and TUV Rheinland/Ergonomics.
- Monitor hood to shield the screen from ambient light and screen cleaner kit are bundled.
- Five-year warranty⁵.

Availability

The ColorEdge CG242W will begin shipping in December 2008. Date of availability varies by country so please contact the EIZO subsidiary or distributor in your country for details. Visitors to Photokina 2008 to be held in Cologne, Germany can have a first look at the ColorEdge CG242W in the EIZO booth located in Hall 4.1 F038.

About EIZO

Eizo Nanao Corporation is a leading global manufacturer of high-end visual display products with a wide range of LCD monitors. The image quality, long-term reliability, and innovative features of EIZO monitors make them the products of choice in many financial trading rooms, hospitals, back offices, and design studios throughout the world. EIZO is based in Japan and represented in over fifty countries by a network of exclusive distributors.

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¹Compatible operating systems are Macintosh OS X 10.3.9 and later, and Windows Vista (32-bit, 64-bit) and Windows XP (32-bit, 64-bit).

²Compatible measurement devices are ColorMunki, Eye-One, DTP94, DTP94B, and MonacoOPTIX from X-Rite, and Spyder2 and Spyder 3 from DataColor.

³Audio signals with DisplayPort are not supported.

⁴Requires the UniColor Pro software for toggling between modes. This software is compatible with Windows Vista/XP/2000 and Mac OS 10.3.9 or later and can be downloaded free of charge from www.eizo.com.

⁵The usage time is limited to 30,000 hours and the warranty period of the LCD panel is limited to three years from the date of purchase.

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