



EIZO Introduces ColorEdge® CG241W for High-End Still and Moving Image Work

Hakusan, Ishikawa, June 13, 2007 – Eizo Nanao Corporation (TSE: 6737) today announced the release of the ColorEdge CG241W for its ColorEdge series of color calibration LCD monitors.



Offering both 12-bit hardware calibration and a 6 ms gray-to-gray response time, this 24.1-inch widescreen monitor is designed to display both still and moving images equally well, making it ideal for a wide range of high-end graphics work including pre-press, digital photography, video editing, and post-production.

The ColorEdge CG241W has a native resolution of 1920 × 1200 (16:10 aspect ratio), so it can also display images in 1920 × 1080 (16:9 aspect ratio) full high-definition with thin black borders at the top and bottom of the screen. The maximum brightness is 300 cd/m², contrast ratio is 850:1, and horizontal and vertical viewing angles are 178°. The wide gamut LCD panel reproduces 92% of NTSC and 96% of the Adobe RGB color space so it can display most colors in a photograph taken in Adobe RGB mode.

Since the CG241W offers hardware calibration, the monitor itself is calibrated rather than the computer's graphics board as is the case with software calibration. This ensures no color tones are lost in the calibration process and results in more accurate on-screen color.

EIZO's ColorNavigator CE calibration software is bundled with the CG241W and allows for setting the target values for brightness, white point, and gamma. ColorNavigator CE works with a measurement device to directly utilize the monitor's 12-bit look-up table for accurate calibration in less than five minutes. When calibration is complete the settings can be saved as an ICC profile. The software also offers black level settings (digital signal only) and a paper white measuring function¹ for color matching between the image on the monitor and the image on the printouts. Supported calibration devices for ColorNavigator CE include Eye-One, DTP94, DTP94B, and MonacoOPTIX from X-Rite, and ColorVision's Spyder2.

The ColorEdge CG241W comes equipped with EIZO's latest ASIC (Application Specific Integrated Circuit). The ASIC has a 12-bit look-up table with a palette of 4,081 colors for each R, G, and B from which the most appropriate 256 colors are selected. The ASIC also features 16-bit internal processing for smooth display of grayscale tones, which brings out details, especially in dark areas of an image.

To ensure optimum colors straight out of the box, EIZO calibrates each unit of the ColorEdge CG241W at its factory in Japan. 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. Furthermore, EIZO corrects the brightness and chroma uniformity errors that are characteristic of LCD panels with its Digital Uniformity Equalizer (DUE) function. With DUE, brightness and chroma appear uniform for each tone no matter where on the screen it is displayed.



DVI-I inputs which support both digital and analog signals from computers, and a USB 2.0 hub with one upstream and two downstream ports are included. Support for high bandwidth digital content protection (HDCP) with a digital signal allows for viewing of content from HDCP-equipped devices.

Additional Features

- 82 mm height adjustment, 40° tilt, 70° swivel, and 90° pivot for portrait display.
- Sensor on front panel reads ambient light and adjusts the screen brightness to the ideal level. Perfect for text-based tasks, this function is automatically disabled in calibration mode.
- Simulates two types of color vision deficiency – protanopia and deuteranopia – for verification of how color schemes appear to those with color blindness². All simulation is done in real time for both still and moving images, making it a practical alternative to software-based tools.
- 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 warranty³.

Availability

The ColorEdge CG241W is now shipping. Date of availability varies by country so please contact the EIZO subsidiary or distributor in your country for details.

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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¹Paper white measuring function is supported by the X-Rite DTP94, DTP94B, Eye-One Display 2, Eye-One Display LT, and the Eye-One Pro only.

²Requires the bundled UniColor Pro software for toggling between modes. This software is compatible with Windows Vista/XP/2000 and Mac OS 10.3.9 or later.

³The 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 for both monitors. The warranty period of the backlight is warranted only if the monitor is used within the recommended brightness of up to and including 120 cd/m² with a color temperature between 5,000 K – 6,500 K and limited to three years from the date of purchase subject to the usage time being less than or equal to 10,000 hours.

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