



EIZO Introduces ColorEdge Series of LCD Monitors for the Graphics Market at CeBIT 2003

*Calibration support provides accurate color management
for CTP printing, DTP, and digital photography*

CeBIT, Hannover, Germany, March 12, 2003 – Eizo Nanao Corporation today introduced the ColorEdge Series of LCD monitors for graphics professionals. This series combines advanced monitor technology, EIZO's new ColorNavigator calibration software, and compatibility with the GretagMacbeth® Eye-One™ spectrophotometer to provide accurate and consistent color performance on both the Windows® and Macintosh® platforms¹. The first two models in the new series are the ColorEdge CG21, a 21.3-inch monitor with a 1600 × 1200 resolution, and the ColorEdge CG18, an 18.1-inch monitor with a 1280 × 1024 resolution. EIZO is currently exhibiting both models at CeBIT 2003 in Hall 12 Booth B35.

ColorEdge Background

In recent years, the printing and design industries have been increasingly bypassing the conventional color proof based prepress workflow in favor of CTP (Computer To Plate) printing, which offers such benefits as a filmless environment, faster turnaround, lower costs, and reduced production time. However, the success of CTP printing requires that designers, photographers, and printers can carry out all color value checks on screen before printing begins. The high level of accuracy CRT monitors deliver for color-critical applications has made them the product of choice for graphics professionals. However, manufacturers are devoting more resources to LCD monitors, leaving little room for further significant advancements in CRT technology. Graphics professionals are eager to switch to flat panel technology, but have been reluctant because there have not been LCD products that satisfy their color reproduction and color management concerns. With the introduction of the ColorEdge Series, they now have a selection of LCD monitors that specifically address their requirements.



ColorEdge CG18 **ColorEdge CG21**

*Spectrophotometer and hood sold separately

“We debuted the ColorEdge Series last month at PAGE 2003 – Japan’s premier exhibition for the printing industry – and received an overwhelmingly positive response from professionals in printing houses, ad agencies, and photography,” said Kunihiro Arata, general manager of EIZO’s Overseas Sales & Marketing Division. “We expect this new series to fill a real void in the LCD market by presenting graphics professionals with a viable selection of products that addresses their color calibration and color management requirements.”

Factory Adjustment of Gamma Values for Each ColorEdge Monitor

Accurate gamma values for each color (R, G, B) are necessary for the proper display of color. With most LCD monitors, however, these values fluctuate because they are not based on a theoretical value and no adjustment function is available, meaning the colors in any single image will be displayed differently among monitors. To ensure that each ColorEdge monitor produces the most



accurate and consistent color gradations possible, EIZO carefully measures and sets every shade of R, G, and B from 0 – 255 on the production line with the monitor's 10-bit Look-Up Table (LUT), to produce a monitor gamma value of 2.2. Should the user prefer a different value, the LUT can be used to calculate for values ranging from 1.8 (the standard for the printing industry) up to 2.6.

ColorNavigator Calibration Software

This EIZO-developed software comes bundled with ColorEdge Series monitors and offers cross platform compatibility with Macintosh (9.2.2 and OS X) and Windows (2000 and XP) operating systems¹. When used with the GretagMacbeth Eye-One spectrophotometer (sold separately), users can make precision adjustments to monitor characteristics in respect of brightness, color temperature, and gamma, and save the results as a ColorSync or ICC profile for use with other peripheral devices. ColorNavigator provides benefits not available with other calibration software applications on the market such as hands-off calibration and utilization of the monitor's 10-bit LUT.

Advanced IPS Panels

These models employ advanced IPS (In-Plane Switching) panels that offer 170° viewing angles, 250 cd/m² brightness, and 400:1 contrast ratios. Color shift is minimal even when the screen is not viewed from straight on. Additionally, the ColorEdge CG21 can display two A4 size documents on screen side-by-side with its viewable image size of 21.3" and native resolution of 1600 × 1200.

Auto Brightness Control

An EIZO-patented circuit stabilizes brightness soon after startup or coming out of power save mode. Additionally, this circuit eliminates brightness fluctuation by detecting changes in the surrounding backlight temperatures and automatically adjusting the divergence to the brightness default setting or user-defined level.

Additional Features

- Space-saving design with thin bezels around all four sides and built-in power supply.
- Simple positioning – stand is height adjustable (82 mm for the CG21, 100 mm for the CG18) and panel tilts, swivels, and pivots into portrait mode².
- 6-mode Fine Contrast function (Text, Picture, Movie, Custom, sRGB, and Calibration) operated at the push of a button. Each mode contains default settings for image parameters such as brightness, color temperature, gamma, and saturation. The panel can also be removed from the stand for arm or wall mounting in accordance with VESA standards.
- EIZO Eco Products 2002 in-house label signifying conformance to a varied range of eco-friendly criteria such as manufacture with lead-free solder and chrome-free steel plates, and consumption of less than 1 watt of power when the monitor is turned off (ColorEdge CG21 only).
- Both models will be TCO'03, TÜV Rheinland Ergonomics, and EPA Energy Star[®] certified when they go on sale³.



Optional Accessories – *i-Sound*[™] L2, Panel Protectors, and Screen Administrator[™]

EIZO has prepared several accessories that ensure greater functionality of the ColorEdge Series

- *i-Sound* L2 – This sound unit offers dual speakers at 2 watts each, and attaches directly to the bottom of the panel so not to increase the overall footprint.



- Panel Protectors – To prevent dust and scratches, EIZO offers protection sheets that fit right over the screen surface and leave minimal trace of implementation.
- Screen Administrator – In a network environment, this EIZO developed software allows system administrators to perform important setup and management tasks on Windows-based client PCs and select EIZO monitors⁴ from a control PC. Some of these tasks include confirmation of connection and asset management for each client, and sending messages to appear on-screen. Screen Administrator also prevents monitor theft by disabling any monitor improperly removed from the network.

Availability

The ColorEdge CG18 will go on sale in April and the ColorEdge CG21 in May of 2003. Both models are available in a choice of gray or black.

About EIZO

Eizo Nanao Corporation is a leading global manufacturer of high-end visual display products with a wide range of LCD, CRT, and PDP monitors, and Windows-Based Terminals (thin clients). The image quality, long-term reliability, and innovative features of EIZO monitors make them the product 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 thirty countries by a network of exclusive distributors.

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¹The ColorEdge CG18 will go into mass production before the CG21 and only have Macintosh OS 9.2.2 compatibility. When the CG21 goes into mass production, OS X and Windows 2000/XP compatibility will be added to both models. Customers who have purchased the CG18 with OS 9.2.2 compatibility only will be able to download an OS upgrade kit from the EIZO web site.

²Specialty software (sold separately) is necessary for viewing in portrait mode.

³Gray cabinets will be TCO'03 certified and black cabinets TCO'99 certified.

⁴Screen Administrator cannot be used with the monitors of any other manufacturer.

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