



EIZO Launches New 22" Graphics Monitor

EIZO UK this month sees the launch of the new EIZO ColorEdge CG223W specifically designed for still and moving image work such as pre-press, digital photography, video editing and post production.

The ColorEdge CG223W uses a VA (vertical alignment) panel LCD panel with a native resolution of 1680 × 1050 (16:10 aspect ratio) and reproduces 95% of the Adobe RGB colour space. It has a maximum brightness of 270 cd/m², contrast ratio of 950:1, and viewing angles of 178°. DisplayPort and dual digital/analog DVI-I inputs are included for connection to three PCs.

Three new features are included with the ColorEdge CG223W that ensures proper display of brightness and colour tones in various ambient environments and over the life of the monitor. The first is a new EIZO-patented function that stabilises the brightness level after the monitor starts up or comes out of power saving mode. The second is an automatic brightness correction circuit that automatically corrects changes in the backlight's brightness that occur over time. The third feature counteracts the influence that changes in ambient temperature can have on the display of colour tones.

This new monitor accepts 10-bit PC signals and can display 1.07 billion colours simultaneously from a pallet of 68 billion¹ - 64 times more than the typical 16.7 million colours shown with 8-bit display.

The ColorEdge CG223W offers hardware calibration so the monitor itself is calibrated rather than the computer's graphics card. This ensures no colour tones are lost in the calibration process and results in more predictable on-screen colour. EIZO's ColorNavigator calibration software² is used for setting the target values for brightness, white point, and gamma and generating an ICC profile. ColorNavigator works with a measurement device³ to use the monitors' 12-bit look-up table for accurate calibration in under five minutes.

EIZO's Digital Uniformity Equalizer (DUE) function is included to counteract brightness and chroma uniformity errors that are characteristic of LCD panels. This



ensures the ColorEdge CG223W has a Delta-E difference of 3 or except along the perimeter of the screen.

EIZO has outfitted the monitor with an ergonomic stands. The ColorEdge CG223W comes with EIZO's FlexStand which offers portrait display, 174 mm height adjustment, 30° tilt, 344° swivel, and a quick release feature so the body can be easily removed from the stand for reconfiguration on a separate mounting device.

The ColorEdge CG223W is equipped with an EIZO-developed 3D-look up table (LUT) that improves the panel's additive colour mixture (combination of red, green, and blue), a key factor in its ability to achieve gray balance or neutral gray tones. Whereas a typical 1D LUT adjusts colours on separate tables for each red, green, and blue, the 3D LUT accomplishes this on a single, mixed-colour cubic table.

The monitor also includes an illuminated on-screen button guide that simplifies adjusting the OSD menu in a dimly lit working environment. It also offers four preset colour modes that reproduce common colour spaces used in broadcasting and digital cinema: Rec709, EBU, SMPTE-C, and DCI.

-ENDS-

About EIZO –

EIZO Nanao Corporation is a leading global manufacturer of high-end visual display products with a wide range of LCD monitor systems. 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. EIZO is based in Hakusan, Japan and represented in more than fifty countries by a network of exclusive distributors.

For further information, comment or imagery please contact

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1 A graphics board and software which support 10-bit output are necessary for 10-bit display.

2 Compatible OSes are Macintosh OS X 10.3.9 and later, Windows 7 (32-bit, 64-bit), Windows Vista (32-bit, 64-bit) and Windows XP (32-bit, 64-bit).



3 Compatible measurement devices are ColorMunki, Eye-One, DTP94, DTP94B, and MonacoOPTIX from X-Rite, Spyder2 and Spyder 3 from DataColor, and EIZO's bundled EX1 sensor with the EIZO EasyPIX colour matching tool.

4 Requires the UniColor Pro software for toggling between modes. This software is compatible with Windows 7/Vista/XP/2000 and Mac OS 10.3.9 or later and can be downloaded free of charge from www.eizo.com.

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