EIZO

ColorEdge®

Accurate Color Monitors For All Your Photo Needs

Inspired by Color
Created for Quality

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Whether you are a professional photographer requiring predictable and repeatable color results or a photo enthusiast who wants better color for your prints, EIZO has a product to meet your needs. ColorEdge monitors incorporate EIZO's most advanced imaging technologies so they display colors as you, the photographer, intended them to be seen. They support hardware calibration and come with dedicated software for fine tuning the image at the retouching stage. They produce consistent color results with very little deviation so photographers and everyone else in the color management workflow can calibrate to the same settings for a unified color environment.

Technology

Wide Color Gamut `CG` `CX`
A wide color gamut reproduces almost the entire Adobe RGB color space. This large color space ensures that the monitor reproduces all the colors you captured which are best for your digital color post-processing workflow out of RAW files.
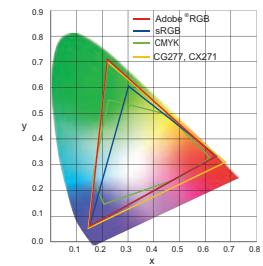

EIZO True Black Panel `CG` `CX`
When viewing the screen from an angle in a dimly lit room, dark tones typically appear washed out due to the display characteristics of LCD backlights. The CG and CX series maintain a high contrast ratio even from an angle allowing the dark tones to retain their depth.
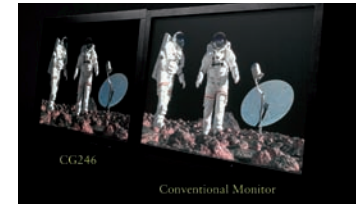
10-Bit Color, 16-bit LUT `CG` `CX`
The monitor offers 10-bit simultaneous color display from a 16-bit look-up table which means it can show more than one billion colors simultaneously. This is 64 times as many colors as you get with 8-bit display which results in even smoother color gradations and reduced Delta-E between two adjacent colors.
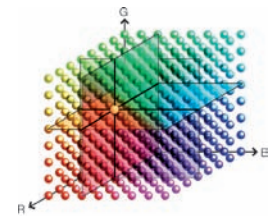

3D LUT for Accurate Color Display `CG`
For true perfection, the 3D LUT included with the CG series improves the monitor's additive color mixture (combination of RGB), which is a key factor in its ability to display the highest level of accurate RGB color and also neutral gray tones.

Uniform Brightness and Color `CG` `CX`
Fluctuations in brightness and chromaticity on different parts of the screen are a common trait of LCD monitors. An answer to this problem in ColorEdge monitors is EIZO's patented digital uniformity equalizer (DUE) technology which ensures a Delta-E difference of 3 or less across the screen for CG and CX models when they leave the factory. DUE's latest innovation counterbalances the influences that an ambient temperature may have on the monitor's color temperature and brightness to ensure stable image display.


Screen Uniformity and Color Temperature Changes
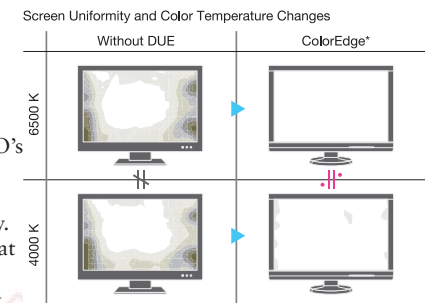
Ultra Rapid Chromaticity Stabilization `CG` `CX`
EIZO's ColorEdge features advanced color stabilization which shortens the warm-up time by more than 75%, achieving stable chromaticity and tone characteristics in a mere seven minutes for those professionals demanding speedier color perfection.

Screen Stability
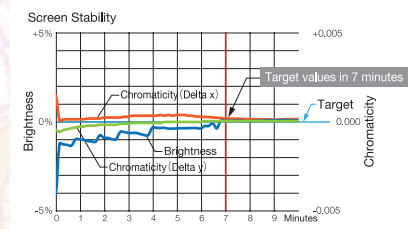
Improved LED Backlight `CG` `CX`
LED backlights provide a 40% power savings as compared to standard CCFL backlights. These LED backlights do not require internal fans so less heat is emitted from the display. The LED backlight used contains no mercury so it will have minimal environmental impact when it is eventually disposed of.

Typical Power Consumption
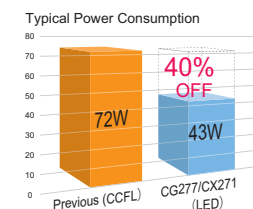
Color Calibration Solutions

Simple and Precise Hardware Calibration `CG` `CX`
The ColorNavigator software for CG/CX series makes precise calibration both simple and accurate. Just input target values for brightness, white point, and gamma. The built-in or external sensor directly utilizes the monitor's look-up table and creates an ICC profile within minutes.
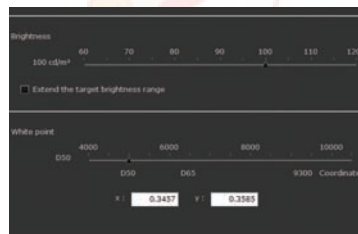
Post-Calibration Manual Adjustment `CG` `CX`
Sometimes, due to variations in output from different printers or lighting conditions, further fine-tuning of your color is required after calibrating. ColorNavigator lets you adjust white point, brightness, and black level independently to achieve the closest possible visual match.

Built-In Calibration Sensor `CG`
Automate your calibration with the sensor that is housed within the monitor's front bezel and swings up onto the screen only when calibrating. The built-in sensor also can be correlated to an external reference photometer for consistent color management workflow.
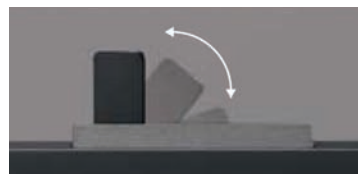
Correlation with External Sensors `CG`
CG series monitors can be correlated to the measurement results of an external calibration sensor. After correlating, the built-in sensor will automatically recalibrate to the settings. This is convenient if the monitor is used in a work environment with other monitors and one measurement device must be used as a standard for all calibration.

Fully Automated, Self-Color Maintenance `CG` `CX`
The ColorEdge CG series offers self-calibration which allows you to schedule the monitor to self-calibrate to a specific target at a specific time. Even if the monitor is switched off or not connected to a computer, it will stick to its preset schedule and self-calibrate to maintain color accuracy automatically over time. The CX Series offers a self-correction, fully automated self-color maintenance feature, which keeps the monitor to an original calibration target done with an external photometer.
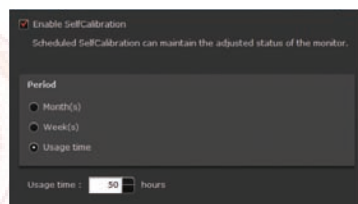
Other Features

Match White of Your Paper or Brightness of Light Box `CG` `CX`
By measuring the white of the paper to be used for printing with an external sensor, ColorNavigator automatically sets the target values for brightness and white point accordingly. You can also measure your light box's brightness and set it as the target value for calibration to ensure uniform brightness between your monitor and light box when color proofing.

Media Emulation `CG`
ColorNavigator* emulates the color characteristics of other media devices such as tablets, smartphones, notebook PCs, and other LCD/CRT monitors. With a spectrophotometer, ColorNavigator reads the emulated device's color patches as they appear in a web browser and creates an ICC profile. By using this profile with a ColorEdge monitor, content creators see how their customers view color on their respective devices. *Media emulation is available with ColorEdge CG monitors only.

Shading Hood for Portrait and Landscape Modes `CG`
Most shading hoods, used to keep glare off your screen, can only be used in landscape mode, but the CG series comes with a unique hood that is designed for portrait mode as well.
*Shading hoods are optional with the CX series.

Reliability

Individually Adjusted at the Factory `CG` `CX`
The gamma level, chromaticity, and uniformity for each ColorEdge monitor are adjusted at the factory. The CG series even comes with an individual test report certificate to ensure the quality.
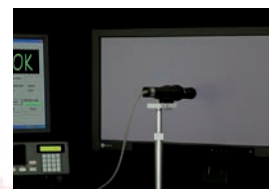
5-Year Warranty `CG` `CX`
ColorEdge monitors are backed by a manufacturer's 5-year warranty that covers all components including the LCD panel. EIZO can achieve this since it manufactures its products in its own factories keeping close control over production quality.

Pixel Defect Warranty up to 12 Months `CG` `CX`
For the CG series, the RGB full pixel failure is zero for up to 12 months after date of purchase based on ISO 9241-307 (pixel failure class I).

		ColorEdge CG277	ColorEdge CG247	ColorEdge CG223W	ColorEdge CX271	ColorEdge CX241
Panel	Size / Type	27" / IPS Wide Color Gamut LED	24.1" / IPS Wide Color Gamut LED	22" / VA Wide Color Gamut LCD	27" / IPS Wide Color Gamut LED	24.1" / IPS Wide Color Gamut LED
	Native Resolution	2560 x 1440 (16:9 aspect ratio)	1920 x 1200 (16:10 aspect ratio) (HDMI supports up to 1920 x 1080)	1680 x 1050 (16:10 aspect ratio)	2560 x 1440 (16:9 aspect ratio)	1920 x 1200 (16:10 aspect ratio) (HDMI supports up to 1920 x 1080)
	Pixel Pitch	0.2331 x 0.2331 mm	0.270 x 0.270 mm	0.282 x 0.282 mm	0.2331 x 0.2331 mm	0.270 x 0.270 mm
	Display Colors - Display Port, DVI HDMI	10-bit, 1.07 billion from palette of 278 trillion 8-bit, 16.77 million from palette of 278 trillion	10-bit, 1.07 billion from palette of 278 trillion 8-bit, 16.77 million from palette of 278 trillion	10-bit, 1.07 billion from palette of 278 trillion 8-bit, 16.77 million from palette of 278 trillion	10-bit, 1.07 billion from palette of 278 trillion 8-bit, 16.77 million from palette of 278 trillion	10-bit, 1.07 billion from palette of 278 trillion 8-bit, 16.77 million from palette of 278 trillion
	Viewing Angles (H / V, typical)	178°, 178°	178°, 178°	178°, 178°	178°, 178°	178°, 178°
	Brightness (typical)	300 cd/m²	350 cd/m²	270 cd/m²	300 cd/m²	350 cd/m²
	Recommended Brightness for Calibration	120 cd/m² or less	120 cd/m² or less	120 cd/m² or less	120 cd/m² or less	120 cd/m² or less
	Contrast Ratio (typical)	1000:1	1000:1	950:1	1000:1	1000:1
	Wide Gamut Coverage (typical)	Adobe RGB: 99% / sRGB: 100%	Adobe RGB: 99% / sRGB: 100%	Adobe RGB: 95% / sRGB: 100%	Adobe RGB: 99 % / sRGB: 100%	Adobe RGB: 99% / sRGB: 100%
Video Signals	Input Terminals	DVI-D 24 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	DVI-D 24 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	DVI-I 29 pin x 2 (with HDCP), DisplayPort with HDCP)	DVI-D 24 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	DVI-I 29 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)
USB	Function	2 ports for monitor control USB 2.0	2 ports for monitor control USB 2.0	1 port for monitor control USB 2.0	2 ports for monitor control USB 2.0	2 ports for monitor control USB 2.0
Power	Power Requirements	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz
	Power Consumption (Max / Typ.)	99W / 43W	83W / 33W	85W / 39W	99W / 43W	81W / 32W
	Power Save / Standby Mode	Less than 0.7 W / Less than 0.5 W	Less than 0.7 W / Less than 0.5 W	Less than 0.9 W	Less than 0.7 W / Less than 0.5 W	Less than 0.7 W / Less than 0.5 W
Features & Functions	Self-Calibration	Yes	Yes	-	-	-
	Self-Correction	-	-	-	Yes	Yes
	3D Look-up Table	Yes	Yes	Yes	-	-
	Digital Uniformity Equalizer	Yes	Yes	Yes	Yes	Yes
	Preset Modes	Custom, Adobe RGB, sRGB, Rec709, EBU, SMPTE-C, DCI, Calibration	Custom, Adobe RGB, sRGB, Rec709, EBU, SMPTE-C, DCI, Calibration	Custom, sRGB, Rec709, EBU, SMPTE-C, DCI, Calibration	User1, User2, User3, Paper, Adobe RGB, sRGB, Calibration	User1, User2, User3, Paper, Adobe RGB, sRGB, Calibration
Accessories	Factory Test Report	Yes	Yes	Yes	Yes	Yes
	Shading Hood	Yes	Yes	Yes	Yes	-
	ScreenCleaner	Yes	Yes	Yes	-	-
	DualLink DVI Cable	Yes	-	-	Yes	-
	SingleLink DVI Cable	-	Yes	Yes	-	Yes
	Mini DisplayPort - DisplayPort Cable	Yes	Yes	-	Yes	Yes
	DisplayPort - DisplayPort Cable	-	-	Yes	-	-
	USB Cable	Yes	Yes	Yes	Yes	Yes
	US Power Cable	Yes	Yes	Yes	Yes	Yes

For our full LCD monitor line-up visit www.eizo.com/na

Accessories

Shading Hoods

CH7
Supported Models: CG247, CX241
CH7 is bundled with CG247.

CH5
Supported Model:
CG277, CX271
CH5 is bundled with the CG277.

Monitor Cleaning Kit

ScreenCleaner™
Wipe away dust and fingerprints with this screen cleaner kit. Includes pump spray and cloth. Bundled with CG series.

Photo Meter

EX Photo Meter
Supported software: ColorNavigator (CG/CX series). Only bundled, not sold separately.

Compatible Operating System		Color Navigator
Macintosh	OS X 10.4.11 – 10.9	✓
Windows	Windows 7 (32-bit, 64-bit) / Vista (32-bit, 64-bit) XP(32-bit, 64-bit) Windows 8 (32-bit, 64-bit)	✓
Supported Photometer	Model	CG/CX
X-Rite	i1 Display Pro / i1 Display / i1 Display2	✓
	i1 Monitor / i1 Pro / i1 Pro2	✓
	Colormunki Photo / Colormunki Design	✓
	Monaco OPTIX Series (DTP94, DTP94B)	✓
Datacolor	Spyder3 / Spyder4	✓
EIZO	Built-in Calibration & Correction Sensors	✓
	EX2 / EX1	✓

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