True to Creativity
Vivid color at all stages of your digital workflow.

ColorEdge - The Ideal Monitors for Expressing Your Creativity

Smooth tonal display and accurate color reproduction enhance the quality of your work.

Digital Photography

Stable image display and dedicated features complement your creativity.

Video Editing and Post Production

Design and Publishing
With ColorEdge, you can implement color management in every process of the workflow. The intricate task of color matching will not take up all your time and effort and color will be faithfully reproduced in your finished work.
A monitor for all creators from entry level to professional

ColorEdge CG Series

Professional Level
For professionals in photography, retouching, prepress, and post production who want the best in color accuracy.

- Built-in calibration sensor
- ColorNavigator calibration software and monitor hood included
- Wide color gamut

ColorEdge CX Series

Standard Level
For professionals and prosumers in design, photography, and other creative fields.

- Built-in correction sensor
- ColorNavigator calibration software and monitor hood optional
- Wide color gamut

ColorEdge CS Series

Entry Level
For hobbyists that want to create, edit, and enjoy digital photography, digital art, and more.

- Built-in correction sensor
- ColorNavigator calibration software and monitor hood optional
- sRGB color gamut
Stable Image Display Free from Environmental Influence

EIZO-Developed ASIC at the Core
All ColorEdge models come with an ASIC (application specific integrated circuit) developed by EIZO to meet the needs of the graphics market. The ASIC has its own algorithms used in high-precision color processing to produce smooth color tones.

Color That’s Ready When You Are
From the time it is turned on it typically takes 30 minutes or longer for a monitor’s brightness, chromaticity, and tone characteristics to stabilize. EIZO has shortened this warm-up time by more than 75% to a mere 7 minutes. For confirming your work in a photo studio or taking your monitor with you on location, you can get to work right away.

Stable Brightness
An EIZO-patented sensor detects changes in the backlight that cause the monitor’s brightness to decline over time and compensate for them. This not only stabilizes the brightness, but also minimizes changes in the color temperature that occur when brightness changes. Another sensor is included that detects changes in the ambient temperature and prevents fluctuations to the chromaticity and gamma.

Brightness and Color Uniformity with DUE
Fluctuations in brightness and chromaticity on different parts of the screen are a common trait of LCD monitors. EIZO’s patented digital uniformity equalizer (DUE) technology compensates for these fluctuations to produce a more uniform image across the screen. And now DUE also counterbalances the influences that a fluctuating ambient temperature may have on color temperature and brightness to ensure stable image display.

Predictable Color You Can Depend on

Individually Adjusted at the Factory
The gamma level for each ColorEdge monitor is adjusted at the factory. This is accomplished by measuring the R, G, and B gamma values from 0 – 255, then using the monitor’s 16-bit look-up table (LUT) to select the 2.56 most appropriate tones to achieve the desired value.

Wide Color Gamut
A wide color gamut reproduces almost the entire Adobe RGB color space* so images shot in RAW can be converted to Adobe RGB or images shot in Adobe RGB will be displayed correctly. The colors seen in photos of vibrant blue skies and lush green forests will be reproduced faithfully in a way that cannot be on monitors with an sRGB color space. The wide color gamut also ensures that the monitors reproduce almost the entire ISO-coated and US web-coated CMYK color space.

*Not applicable to the CS230.

10-Bit Simultaneous Display
Using the DisplayPort input, the monitors offer 10-bit simultaneous color display* from a 16-bit look-up table which means they can show more than one billion colors simultaneously. This is 64 times more colors than you get with 8-bit display which results in even smoother color gradations and reduced Delta-E between two adjacent colors.

* A graphics board and software which support 10-bit output are also necessary for 10-bit display. 10-bit display is only available through the DisplayPort input.
Simple and Precise Calibration with ColorNavigator Software

EIZO's ColorNavigator software makes calibration both simple and quick. Just input target values for brightness, white point, and gamma. ColorNavigator directly utilizes the monitor's look-up table and creates an ICC profile within minutes. ColorNavigator is bundled with the CG series and optional for the CX and CS series.

ColorNavigator Basic Functions

Calibrate to Preset or User-Assigned Values
Preset values for web contents, photography, and printing are available. Just select one, click "Adjust", and ColorNavigator will begin calibrating. This takes the guesswork out of assigning values for users with limited color management knowledge. Experienced users can assign the desired values for brightness, white point, and gamma and then calibrate.

Switch Your Profiles as Needed
Change the target profile even when ColorNavigator is not activated. A list of profiles are always instantly accessible. Choose one and it will be applied to your monitor's settings.

Post-Calibration Color Adjustment
If you need to further fine-tune your color after calibrating, ColorNavigator lets you adjust hue and saturation for all six primary and secondary colors (R,G,B,C,M,Y) as well as white point, brightness, black level and gamma.

Calibrate Your Monitor to Another Profile
If you want to conduct color management between monitors in a workflow ColorNavigator lets you load the profile of another ColorEdge monitor and use it to calibrate your own.

ColorNavigator Advanced Functions

Recalibration Reminder
A monitor needs to be recalibrated at regular intervals to maintain color accuracy. ColorNavigator includes a recalibration reminder that will appear after a certain number of user-determined hours. You can also be reminded without starting up ColorNavigator by an LED on the monitor's front panel that lights up.

Profile Validation
To verify calibration results or check to see how much the monitor's colors have varied since it was last calibrated, ColorNavigator measures the monitor's color patches to determine the difference between the Delta-E value of the monitor's profile and the actual displayed values of the monitor. CG series validates RGB and CMYK values. CX and CS series validate RGB values only.

Import / Export Adjustment Targets
Import and export your post-adjustment target profiles and share the same target values in multiple usage environments.

See How Other Devices Display Color with Media Emulation
ColorNavigator* emulates the color characteristics of other media devices such as tablets, smart phones, 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.

Calibrate to the White of Your Paper or Brightness of Your Light Box
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.

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Built-In Sensors to Automate Your Workflow

Built-In Calibration Sensor
Automate your calibration with the sensor that is housed within the monitor’s front bezel and swings up onto the screen only when calibrating. This sensor eliminates the need for a third-party calibration device and even operates in portrait mode. Available with the CG series only.

Scheduled Self Calibration
Using either the OSD menu or the bundled ColorNavigator software, you can schedule the monitor to self-calibrate at specific times. Even if the monitor is switched off or not connected to a computer, it will stick to its preset schedule and self-calibrate.

Correlation with External Sensors
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.

Built-In Correction Sensor
With the CX and CS series, a third-party sensor is required for calibrating the monitor, but the monitor’s built-in correction sensor maintains the calibration settings. The correction sensor is housed within the monitor’s upper bezel and appears only after a specific amount of time determined by the user has elapsed. Even if the monitor is switched off or not connected to a computer, it will stick to its preset schedule and self correct.

Ample Screen Sizes for Creative Work
The CG246 and CX240 display two A4 pages plus tool palettes on their 24.1-inch screens. The CG276 and CX270 give you even more room to work with their spacious 27-inch screens and 2560 x 1440 resolution.

Adjustable Stand
Adjust the screen to the most comfortable angle and reposition it to show your work to a colleague or client. The monitor comes with a versatile stand that offers height, tilt, and swivel adjustments as well as portrait mode display.

Shading Hood for Portrait and Landscape Modes
Most shading hoods can only be used in landscape mode, but the CG series comes with a unique hood that is designed for portrait mode as well. Now you can keep the glare off your screen no matter which mode you work in. Shading hoods are optional with the CX and CS series.

Color Blindness Simulation
Available on www.eizo.com, UniColor Pro software simulates color blindness so designers can see how their color schemes will appear to those with color vision deficiency.
**Excellent Tone Display in the Dark**
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 CG246 and CX240 maintain a high contrast ratio even from an angle which allows the dark tones to retain their depth.

**Prioritize Contrast Ratio**
For dark environments such as a video editing studio, you can prioritize a high contrast ratio brightness over screen brightness uniformity by pressing a button on the front of the monitor.

**1080/24p Playback**
Film is usually shot at 24 frames/second and looks unnatural when played back on a typical monitor that displays 60 frames/second. The CG series supports a video signal display rate of 24 frames/second so you can edit the film as it was meant to be viewed.

**Range Extension**
All ColorEdge models give studio professionals the advantage of using the monitor’s entire 10-bit grayscale range to see more detail when doing fine editing work in very dark and very light tones. Setting the screen to show the entire 10-bit grayscale range reveals either 6% or 14% more gray tones from 0 (true black) to 1023 (true white) compared to common broadcast signal display range capabilities.

**LED Buttons and On-Screen Button Guide**
For dimly lit work environments like post production studios, the CG series comes with backlit control buttons and an on-screen button guide to indicate which each button is for.

**3D LUT for Accurate Color Display**
A 3D LUT is included with the CG series which adjusts colors individually on an RGB cubic table. With the bundled ColorNavigator software’s emulation function, the 3D LUT applies a film look to the image so creators can check how it will be seen by their audience. The 3D LUT also improves the monitor’s additive color mixture (combination of RGB), which is a key factor in its ability to display neutral gray tones.

**Preset Color Modes**
A button on CG series monitors provides quick access to several broadcast-standard color modes: Rec. 709, EBU, SMPTE-C, and DCI. In addition, sRGB and Adobe RGB modes are also available with the CX series.

**Safe Area Marker**
A safe area marker included with the CG series designates the area of the screen that will be displayed when the monitor is connected to a particular device. This allows you to check that subtitles and other text will be visible. This color of the marker is changeable to ensure it remains easily visible with any imagery.

**Ambient Brightness Sensor**
A sensor measures the ambient brightness and adjusts the screen’s brightness so it is never too bright or too dark.

**The Look of Paper**
A preset called Paper mode simulates the look of printed paper and helps prevent eyestrain when reading documents.

**Preset Modes for Optimum Viewing**
In addition to Paper, several preset modes are included with ideal settings for your creative and other computing tasks. You can switch between modes manually by pushing a button or automatically with the Auto FineContrast function*.

**5-Year Warranty**
ColorEdge monitors are backed by a manufacturer’s 5-year warranty that covers all components including the LCD panel. EIZO can do this because it manufactures its products at its own factories. This allows EIZO to keep close control over production quality and ensure that its monitors are built to last for 5 years.

**Pixel Defect Warranty up to 12 Months**
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).

**Mercury-Free LED Backlight**
The CG246, CX240, and CS230 come with an LED backlight that contains no mercury for minimal environmental impact when eventually disposed of.

**Zero Watts When Turned Off**
When a ColorEdge monitor is turned off via the power button on its front bezel it consumes no electricity.

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*Auto FineContrast is included with the ScreenManager Pro for LCD software and available for free on www.eizo.com. Compatible with Windows OS only. Adobe RGB mode not available with CS230.*
<table>
<thead>
<tr>
<th>Specifications</th>
<th>ColorEdge CG276</th>
<th>ColorEdge CG246</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model Variation</strong></td>
<td>Type</td>
<td>9W</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>Native</td>
<td>2560 x 1440 (16:9 aspect ratio)</td>
</tr>
<tr>
<td><strong>Display Size (L x W x H)</strong></td>
<td>596 x 355 x 99 mm</td>
<td>518 x 360 x 99 mm</td>
</tr>
<tr>
<td><strong>Aspect Ratio</strong></td>
<td>16:9</td>
<td>16:9</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>Power Consumption</td>
<td>Less than 0.7 W</td>
</tr>
<tr>
<td><strong>Video Signals</strong></td>
<td>HDMI: 15 - 68 kHz, 23.75 - 61 Hz</td>
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</tr>
<tr>
<td><strong>Physical Specifications</strong></td>
<td>Dimensions (L x W x H)</td>
<td>646 x 425 x 92 mm</td>
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<tr>
<td><strong>Height</strong></td>
<td>Height Range</td>
<td>148 - 172 mm</td>
</tr>
<tr>
<td><strong>Brightness</strong></td>
<td>Brightness (typical)</td>
<td>250 cd/m²</td>
</tr>
<tr>
<td><strong>Contrast Ratio (typical)</strong></td>
<td>Contrast Ratio</td>
<td>1000:1</td>
</tr>
<tr>
<td><strong>Color Temperature</strong></td>
<td>Color Temperature</td>
<td>6500 K</td>
</tr>
<tr>
<td><strong>Screen Size</strong></td>
<td>Size</td>
<td>25.6” / 65.5 cm (656 mm diagonal)</td>
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<tr>
<td><strong>Aspect Ratio</strong></td>
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</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Weight</td>
<td>11.7 kg</td>
</tr>
<tr>
<td><strong>Environmental Requirements</strong></td>
<td>Temperature</td>
<td>0 - 35 °C</td>
</tr>
</tbody>
</table>

### Monitor Cleaning Kit - ScreenCleaner

- Wax Away Dust and Fingerprints
- Includes cleaning cloth for CG series
- Available for CG series

### Calibration Software - ColorNavigator License Pack

- Software for calibrating CG and CS series
- Separate license is required for each monitor

### Accessories

- CH7 - Monitor Model: CG276
- CH6 - Monitor Model: CG246
- CH5 - Model: CS200

### Supported Accessories

- Model: CH7
- Model: CH6
- Model: CH5

### System Requirements (as of September 2012)

See www.eizo.com for the latest information.

### Compatible Measurement Devices

<table>
<thead>
<tr>
<th>Model</th>
<th>Measured Values</th>
<th>Windows</th>
<th>Linux</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH7</td>
<td>10 Monitors (720 Pro / 1080 Pro)</td>
<td>DisplayPort / DVI-D</td>
<td>DisplayPort / DVI-D</td>
</tr>
<tr>
<td>CH6</td>
<td>10 Monitors (720 Pro / 1080 Pro)</td>
<td>DisplayPort / DVI-D</td>
<td>DisplayPort / DVI-D</td>
</tr>
<tr>
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<td>10 Monitors (720 Pro / 1080 Pro)</td>
<td>DisplayPort / DVI-D</td>
<td>DisplayPort / DVI-D</td>
</tr>
</tbody>
</table>

### Additional Requirements

- Apple Macintosh that supports the CG/CS system requirements (Release 9.0 or later)
- DisplayPort (not compatible with DVI-D, VGA, and LVDS)
- DC, CC, VCHS, FCR, CB, VCCI-B, AAS, Rave, IEEE, GOST-R

### System and Display Information

- Tested on EIZO CG276
- Maximum 64-bit Linux and Windows
- Requires minimum 128 MB RAM and 4 GB HD space

### Notes

- CH7, CH6, and CH5 are bundled with the CG276.