EIZO®

True to Creativity

# True to Creativity

## Precision beyond color.

Express your thoughts and inspirations exactly as you envision – ColorEdge helps to make that a reality. Each detail and nuance is realized in the final work, providing you an even greater satisfaction with your creations. Accurate color, consistent image quality, and ease of use are why EIZO's ColorEdge lineup gives creatives around the world the ability to express their true vision.

Let your imagination soar and your creativity blossom. Your passion will guide you and ColorEdge will ensure that you can express your ideas precisely as you have imagined.

# ColorEdge Quality
# for Achieving Your
# Creative Vision

## Ease of Use

ColorEdge meets user needs with a wide range of monitors packed with features for creators of all levels. Designers and printers can rest assured that ColorEdge will ensure a smooth and consistent workflow through to the back-end. Video creators can take advantage of the features that many ColorEdge models include specifically for video creation. Those who want to enjoy working with digital photography can easily carry out color matching using ColorEdge. All of these features and more are included to ensure that ColorEdge is optimal for users' creative needs.

## True Reproducibility

To achieve the most accurate color display, EIZO developed its own application-specific integrated circuit (ASIC) which is equipped in each ColorEdge monitor. With this ASIC, the gamma level of each monitor is adjusted at the factory to ensure that tones are displayed as intended without color banding.
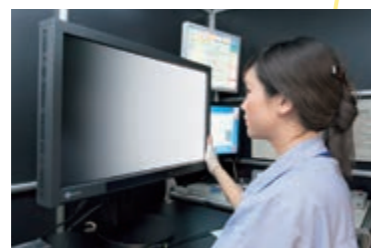
## Long-Term Reliability

As more desktop LCD monitor brands outsource development and production to third parties, EIZO remains convinced that the best way to deliver the quality that our customers expect is to maintain an integrated approach. Each ColorEdge monitor is developed, manufactured, and quality-control tested in-house at EIZO's own factory. This gives us the confidence to back each ColorEdge monitor with the industry's only five-year manufacturer's warranty.

Post Production


Photography


Print


Design

# For Professionals

Get the best in both color and convenience
for the optimal creative workflow.

## CG Series


4K CG319X `HDR` `31.1"`


PROMINENCE `HDR`
4K CG3145 `31.1"`


CG279X `27"` `HDR`


CG247X `24.1"` `HDR`


CG2420 `24.1"`


4K CG248-4K `23.8"` `HDR`


CG277 `27"` `HDR`


CG2730 `27"`

# For Hobbyists and Prosumers

Create, edit, and enjoy photography, illustration, and more.
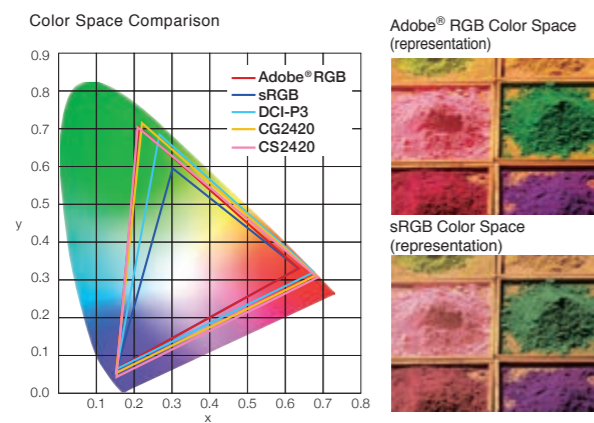
# CS Series

CS2731 27″ NEW

CS2420 24.1″

CS2410 24.1″ NEW

# ColorEdge® Common Features
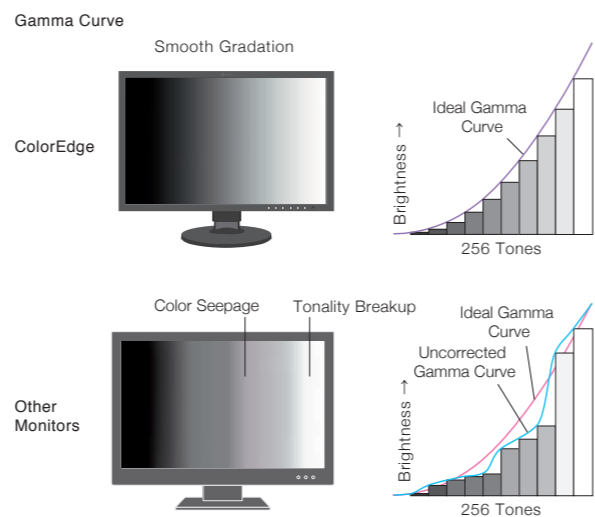
## Vivid Colors Reproduced to Industry Standards

The wide color gamut of ColorEdge monitors reproduces almost the entire Adobe® RGB color space so images shot in Adobe® RGB will be displayed correctly. Photos of vibrant blue skies and lush green forests are reproduced faithfully in a way that monitors limited to an sRGB color space cannot display. The wide color gamut also ensures reproduction of almost the entire ISO-coated and US web-coated CMYK color spaces used in printing.

*CS2410 supports reproduces 100% of the sRGB color space.*

**Color Space Comparison**



- Adobe® RGB
- sRGB
- DCI-P3
- CG2420
- CS2420

**Adobe® RGB Color Space (representation)**

**sRGB Color Space (representation)**

## Adjusted at the Factory for Smooth Color Gradations

The gamma level for each ColorEdge monitor is adjusted at the factory by measuring the R, G, and B gamma values from 0 - 255, then using the monitor's 16-bit LUT (24-bit for CG319X and CG3145) to select the 256 most appropriate tones and achieve the desired value. This ensures the smoothest color gradations in your images.
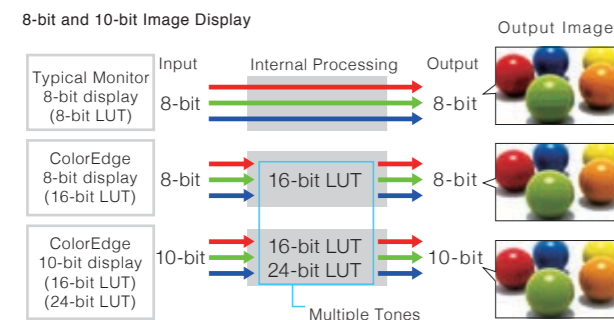
**Gamma Curve**



Smooth Gradation
ColorEdge
Ideal Gamma Curve
Brightness →
256 Tones

Color Seepage   Tonality Breakup   Ideal Gamma Curve
Uncorrected Gamma Curve
Other Monitors
Brightness →
256 Tones

## Wide Viewing Angles with IPS Panels

The 178° wide viewing angles afforded by the IPS panel technology allows two or more people to view the screen at once with little change in color or contrast.

## Ergonomic Stand for Comfort and Convenience

Adjust the screen to the most comfortable angle and reposition it to show your work to a colleague or client. The monitors come with a versatile stand that offer height, tilt, and swivel adjustments as well as portrait display.

*Adjustment range varies by model. CG3145 comes with a non-adjustable stand.*

Example using CS2731 stand.



Height Adjustment   Tilt   35° 5°   Pivot   Built-In Carrying Handle
155 mm   Swivel
Right 90°   344°

## 10-Bit Simultaneous Display

With 10-bit simultaneous color display* from a 16-bit LUT (24-bit for CG319X and CG3145) which means they can show more than one billion colors simultaneously. This is 64 times more colors than you get with 8-bit display, resulting in smooth color gradations and reduced Delta-E between two adjacent colors.
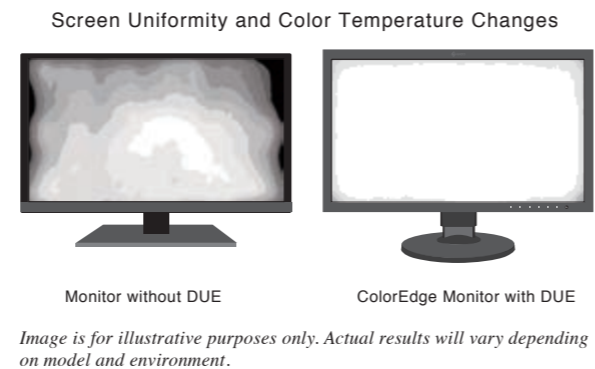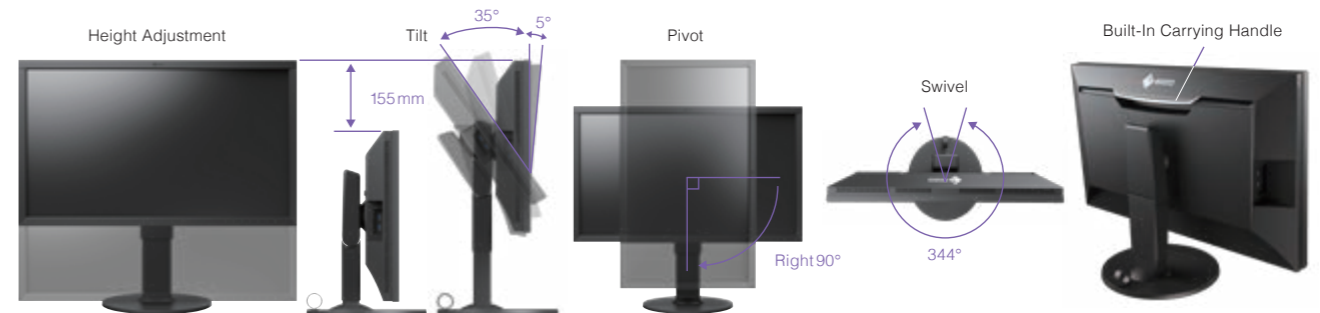
*CS2410 supports 8-bit display.*
*A graphics board and software which support 10-bit output are necessary for 10-bit display. Equipment that supports Deep Color is necessary when using the HDMI input.*

**8-bit and 10-bit Image Display**



| | Input | Internal Processing | Output | Output Image |
|---|---|---|---|---|
| Typical Monitor 8-bit display (8-bit LUT) | 8-bit | | 8-bit | |
| ColorEdge 8-bit display (16-bit LUT) | 8-bit | 16-bit LUT | 8-bit | |
| ColorEdge 10-bit display (16-bit LUT) (24-bit LUT) | 10-bit | 16-bit LUT 24-bit LUT | 10-bit | |

Multiple Tones

## Uniformity Across the Screen

LCD monitors commonly exhibit fluctuations in brightness and chromaticity across the screen, affecting color accuracy. To counter this, ColorEdge monitors are equipped with EIZO's patented digital uniformity equalizer (DUE) technology which corrects deviations in every tone across the screen to ensure stable display.

**Screen Uniformity and Color Temperature Changes**



Monitor without DUE   ColorEdge Monitor with DUE

*Image is for illustrative purposes only. Actual results will vary depending on model and environment.*

## Commitment to Quality

### 5-Year Manufacturer's Warranty

ColorEdge monitors are backed by a manufacturer's 5-year warranty that covers all components including the LCD panel*. EIZO manufactures its products at its own factories to allow close control over production quality and ensure each monitor is built to last.

*Usage time is limited to 30,000 hours (10,000 hours for the CG279X, CG319X, and CG3145 LCD panel).*



### Brightness and Color Warranty

The brightness and color of the CG Series is warranted for up to 10,000 hours* from the date of purchase.

*Monitor must be used within the recommended brightness of 120 cd/m² or less and the color temperature between 5000 - 6500 K. When CG3145 is used at a color temperature of 6500K, a brightness level of at least 800 cd/m² is warranted. When CG319X or CG279X are used at a color temperature of 5000 - 6000K, a brightness level of at least 120 cd/m² is warranted.*

### Zero Bright Pixels

EIZO guarantees its ColorEdge monitors will be free from bright sub-pixels for six months from the date of purchase.

# ColorEdge® Software Solutions

## Color Management Software
## ColorNavigator 7

ColorNavigator 7 is the latest calibration and quality control software for ColorEdge color management monitors. It combines all the features of EIZO's previous color management software, ColorNavigator 6 and ColorNavigator NX, to create a new and improved solution for creatives in a range of fields.

### Calibrate All Color Modes at Once

New with ColorNavigator 7 is the ability to calibrate every color mode (Standard Mode) simultaneously so you do not have to spend time managing each one individually. This saves time and ensures your screen remains color accurate no matter which color mode you work in.

### Multiple Color Modes

ColorNavigator 7 includes multiple color modes so you can choose the one that matches your field's target values. Furthermore, the color mode list is populated according to the monitor's OSD menu so you can rest assured that all possible options are covered.

Color Modes in ColorNavigator 7

Monitor OSD
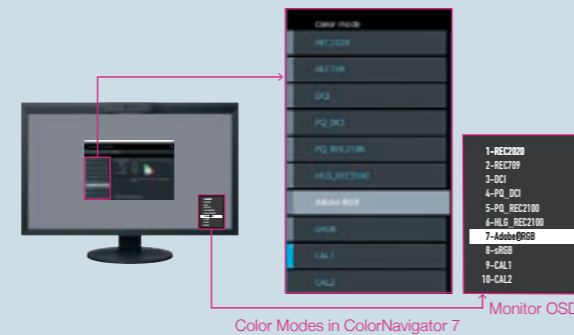
### Schedule Automatic Recalibration

A monitor needs to be recalibrated at regular intervals to maintain color accuracy. With ColorNavigator 7, you can schedule the monitor to automatically recalibrate at a specific time or at regular intervals, even if the monitor is switched off.

Returns to original state

Color Deviation
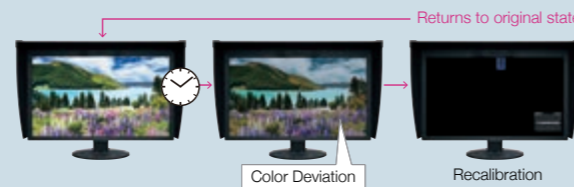
Recalibration

### Maintain Calibration Settings with Different PCs

With ColorNavigator 7, calibration information is saved to the monitor instead of the PC's operating system. This means you do not need to recalibrate the monitor if connecting to more than one PC.

Administrator PC

Calibration information is saved to the monitor.

Client PC

Client PC
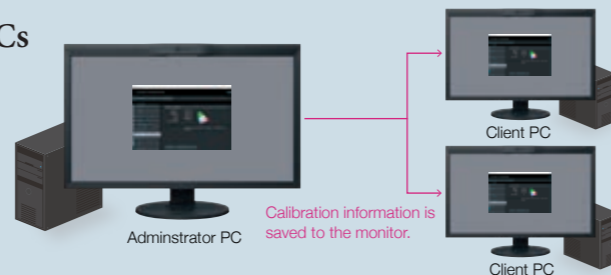
### What is Calibration?

Calibration is a method by which a monitor's display characteristics are adjusted to a target value using a special sensor. Software calibration modifies the signal from your video card to display more accurate color and can be carried out for conventional monitors. Hardware calibration controls the hardware of the monitor directly by utilizing the LUT (look-up-table) inside the monitor. This method offers higher precision and better gradation characteristics compared to software calibration. With ColorEdge and ColorNavigator 7, you can adjust the monitor's display directly through hardware calibration.

## Easy Screen-to-Print Color Matching Tool
## QUICK COLOR MATCH

Even with all the right equipment, color matching can be a tedious process and achieving an accurate print takes a great deal of time. Quick Color Match greatly simplifies the process by automatically adjusting to EIZO's recommended monitor, retouching software, and printer settings. Simply drag and drop your photo and begin retouching and printing with no hassle.

### Collaboration with Industry Leaders

Quick Color Match was developed under a first-ever collaboration between EIZO and Adobe, Canon, and Epson. EIZO also collaborated with paper manufacturers ILFORD, Pictorico, Hahnemühle, SIHL, and Tecco to support a wide range of paper types.

### Automatic Adjustment to EIZO's Recommended Settings

**Monitor Adjustment**

Quick Color Match automatically adjusts your ColorEdge monitor's gain, brightness, gamma, and color space (Adobe® RGB) and creates a profile for these settings.

**Retouching Software Settings**

Dragging and dropping your photo to the Quick Color Match menu automatically opens Adobe Photoshop® and adjusts to EIZO's recommended settings based on the printer and paper being used.

**Printer Settings**

With either Canon Print Studio Pro or Epson Print Layout printer plugin installed, Quick Color Match automatically selects the print profile and color and soft proofing options recommended by EIZO.

Monitor Adjustment | Retouching Software Settings | Printer Settings | Environment Preparation | Color Matching Complete!

Covered by Quick Color Match | Covered by ColorNavigator

### Recommended Monitors

**CS2731**
27" | 2560 x 1440

**CS2420**
24.1" | 1920 x 1200

*For a full list of supported monitors, printers, software, and papers visit www.eizoglobal.com/products/coloredge/qcm*

### ColorNavigator or Quick Color Match?

ColorNavigator is for users who want to fine-tune the monitor's color accuracy and create custom profiles. Quick Color Match offers quick, hassle-free color matching for users who want to streamline the process without worrying about technical details. Both solutions support most ColorEdge monitors so you can build the creative workflow that suits your needs.

*For more information visit www.eizoglobal.com/library/management/qcm-cn*

# ColorEdge® CG Series Features

## Built-In Sensors to Automate Your Workflow

CG Series monitors are equipped with a built-in sensor which can be set to calibrate the monitor automatically at designated times. This eliminates the need for a third-party calibration device and ensures your screen stays color-accurate. In addition, the CG279X and CG319X feature the latest sensor technology, which allows you to continue using the monitor even during recalibration. The sensor swings onto the screen, taking up minimal space, so your work remains uninterrupted.

*Only CG279X and CG319X can continue to be operated during recalibration. It is not recommended to carry out color-critical work during this process, as the screen's colors will be adjusted. CG3145 is not equipped with a built-in sensor.*
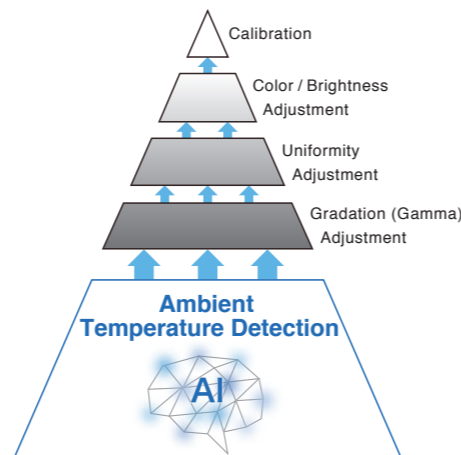
Automatically calibrates while you work.

## Stable Display Technology for Unrivaled Quality

The color and brightness of an LCD monitor an be affected by changes in ambient temperature and the temperature of the monitor itself. ColorEdge monitors are equipped with a temperature sensor for accurately measuring the temperature inside the monitor, as well as estimating the temperature of the surrounding environment. With this temperature sensing and estimation technology, the monitor adjusts in real-time so gradations, color, brightness, and other characteristics continue to be displayed accurately. Furthermore, EIZO uses AI (artificial intelligence)* in the estimation algorithm of the ColorEdge CG3145, CG319X, and CG279X so they can distinguish between various temperature changing patterns to calculate even more accurate correction.

*\*Patent pending.*

Calibration
Color / Brightness Adjustment
Uniformity Adjustment
Gradation (Gamma) Adjustment
**Ambient Temperature Detection**
AI

## Stable Color in Just 3 Minutes

A typical monitor takes 30 minutes or more for its brightness, chromaticity, and tone characteristics to stabilize. The CG Series* takes a mere 3 minutes. Whether you are working in a studio or taking the monitor with you on location, you get reliable color display soon after turning the monitor on.

*\*The CG277 takes 7 minutes and CG3145 takes 30 minutes.*

## Light-Shielding Hood

The CG Series comes bundled with a light-shielding that effectively prevents glare on the monitor's screen caused by ambient lighting. The hoods attach to the monitor magnetically, allowing users to attach the hood quickly and easily without needing to connect separate parts.

*\*The CG277 comes with a non-magnetic hood.*

## Film Emulation with 3D LUT

ColorNavigator 7 can create emulation data from the 3D LUT of the video content used in the color grading system for matching the look of the film on the monitor.

*Not available with the CG2730 or CG2420.*

## Certified for Quality and Performance

ColorEdge monitors have obtained TÜV Rheinland's Color Accuracy (Quick Stability grade) certification. Color Accuracy is the first quality and performance criterion to measure the color accuracy of display devices for multiple graphics fields such as photography, post production, design, and printing.

CG Series monitors are also recognized by Fogra as Class A FograCert Softproof Monitors. Using them in a FograCert Softproofing System ensures designers, print specifiers, and print producers can rely on the softproof for predictable and consistent results. In addition the CG247X is the first monitor to receive Idealliance`s display-based soft proofing certification which confirms that the color stability, tone uniformity, and angular viewing consistency meets global industry standards for high quality proofs.

*Visit www.eizoglobal.com/library/management/certifications/ for more information.*

Color Accuracy and Quick Stability
TÜVRheinland
CERTIFIED
www.tuv.com
ID 6737000000

## 4K Resolution for Exceptional Detail

### The Highest Pixel Density Yet

The CG248-4K offers the highest pixel density yet in the ColorEdge linup at an astonishing 185 ppi for exceptionally smooth image display. The 4K UHD screen (3840 × 2160) makes it ideal for high-resolution photography or as a reference monitor for 4K video creation.

Conventional 23-inch full HD monitor          96 ppi

CG248-4K                    185ppi
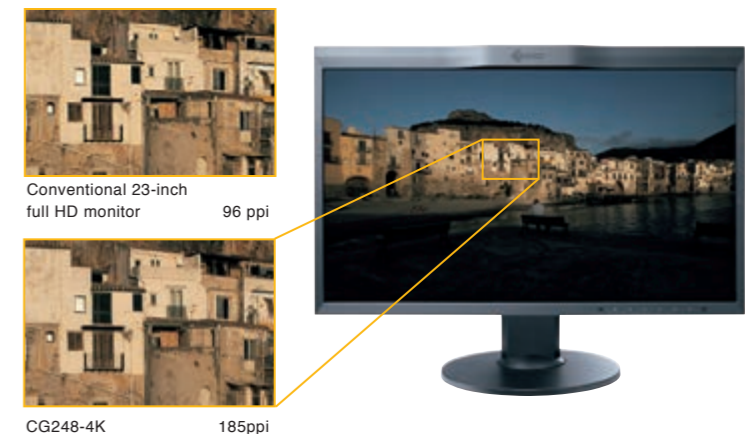
### Quadruple the Resolution of Full HD

The CG319X and CG3145 display the DCI 4K standard (4096 × 2160) which is more than four times that of full HD (1920 × 1080). They are ideal for creating, editing, and referencing with 2D and 3D CGI, VFX, compositing, and color grading.

1080
1920
Full HD
2160
3840
UHD 4K
4096
DCI 4K
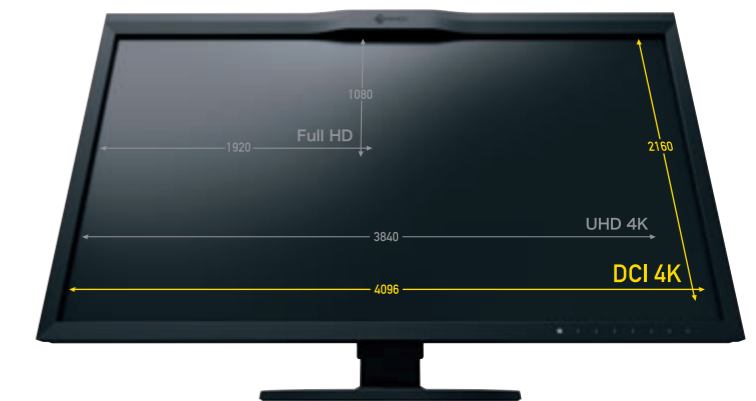
### DCI 4K at 60 Hz with a Single Cable

The CG3145 and CG319X support the DCI 4K resolution at 60 Hz with the DisplayPort or HDMI input.

HDMI × 2          DisplayPort × 2          USB Upstream × 1
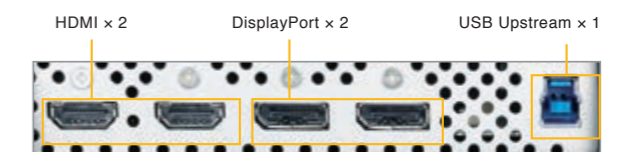
# ColorEdge® CG Series Features

## For Media and Entertainment

### 3D LUT for Accurate Color Display

A 3D LUT is included in the CG Series which adjusts colors individually on an RGB cubic table. The 3D LUT improves the monitor's additive color mixture (combination of RGB), which is a key factor in its ability to display neutral gray tones.

*Not available with the CG2730 or CG2420.*
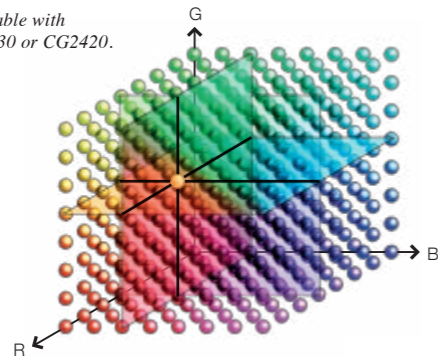


### Multiple Preset Color Modes

CG Series monitors provide quick access to several broadcast-standard preset color modes via a button on the front of the monitor such as BT.2020 EBU, SMPTE-C, and DCI. 4K models also include a preset mode for BT.2020. In addition, CG Series monitors* are equipped with HDR modes for both HLG and PQ gamma curves.

*Not available with the CG2730 or CG2420.*
*Preset color modes vary by model.*



### I/P Conversion for Flicker-Free Display

The HDMI input of ColorEdge monitors supports I/P (inter-lace/progressive) conversion for converting the interlace signals from TV and video into progressive signals for flicker-free display.

### BT.709 Out of Gamut Warning

ColorEdge 4K monitors and CG279X include a Gamut Warning preset. When selected, the areas of a BT.2020 image that cannot be reproduced using BT.709 are clearly indicated by converting them to shades of gray. An additional mode called BT.709 Clipping (Rec. 709 Clipping for 4K models) allows the editor to view BT.2020 images with the BT.709 color space, simulating how it would look to their audience in an HDTV environment.



BT.2020 Image Content · Gamut Warning ON · BT.709 Clipping
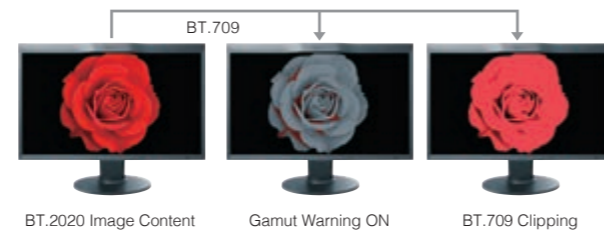
### True Black Display

In compliance with the DCI standard, the CG319X, CG247X, CG2730, and CG2420 offer a high contrast ratio of 1500:1 and CG279X a contrast ratio of 1300:1 for producing true blacks that are otherwise difficult to display on a typical LCD monitor. The CG Series is also equipped with a retardation film which allows tones to retain their depth even when viewed from an angle.

*Contrast ratios refer to typical values when DUE Priority is set to "Brightness".*



Typical Monitor · CG319X
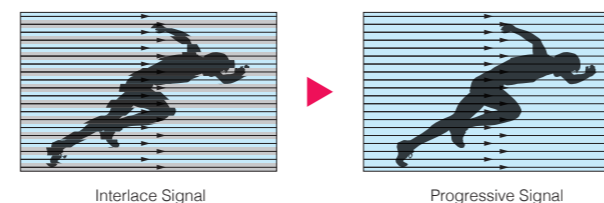
### True HDR

HDR (High Dynamic Range) is a range that approximates the human perception of color and light as content is shown on a display device. The ColorEdge PROMINENCE CG3145 achieves the 1000 cd/m² high brightness level (typical) needed for HDR content display. It also offers a typical contrast ratio of 1,000,000:1 for displaying true blacks.



ColorEdge PROMINENCE CG3145

### HDR Workflow

In addition to the ColorEdge PROMINENCE CG3145 HDR reference monitor, EIZO offers HLG (hybrid log-gamma) and PQ (perceptual quantization) curves for many of its current CG Series monitors. The optimized gamma curves render images to appear more true to how the human eye perceives the real world compared to SDR (standard dynamic range).



SDR（Standard Dynamic Range） · HDR（High Dynamic Range）



| Shooting | VFX | Compositing | Color Grading |
|---|---|---|---|

| CG247X 24.1" | CG279X 27" | CG248-4K 23.8" | CG319X 31.1" | CG3145 31.1" |
|---|---|---|---|---|
| 1920 × 1200 | 2560 × 1440 | 3840 × 2160 | 4096 × 2160 | 4096 × 2160 |

| Color Management Monitors with HDR Gamma | HDR Reference Monitor |
|---|---|

# ColorEdge® CG Series Features

## For Media and Entertainment

Network Color Management Software

## ColorNavigator™ Network

ColorNavigator Network provides centralized quality control of ColorEdge CG Series monitors that have ColorNavigator 7 or NetAgent installed. ColorNavigator Network is hosted on a secure cloud server. An administrator can set the color modes, schedule self-calibration, activate key lock to prevent unintended changes to color settings, register or adjust asset management settings, and import/export monitor settings.

> ColorNavigator Network makes managing multiple monitors on a network simple and efficient.

> For many studios, maintaining properly adjusted monitors had to be done manually, consuming a great deal of time.

ColorNavigator 7 · ColorNavigator 7 · ColorNavigator 7 · ColorNavigator 7 · ColorNavigator 7 · ColorNavigator 7

Host Server

ColorNavigator Network

ColorNavigator Network

ColorNavigator Network

Administrator

### Benefits

**1** Work Efficiency
Significantly reduce your workload and annual maintenance costs.

**2** Remote Color Management
Unify color display on all ColorEdge monitors within your organization, even those that are located in other cities or countries.

**3** Asset Management
Smoothly manage assets from a single PC.

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# ColorEdge® CS Series - For Aspiring Creatives

NEW
**CS2731**
27" 2560×1440

**CS2420**
24" 1920×1200

**CS2410**
24" 1920×1200

## Sleek, User-Friendly Design

### Slimmer Bezels

The slim cabinet design features unobtrusive frames so you can focus more on the screen. Compared to the previous model, CS2420's bottom bezel is about 59% slimmer.

**59% slimmer**
17.3 mm
18.3 mm

CS2420

### Built-In Handle for Easy Carrying

A carrying handle on the back of the monitors allows you to easily move them from one location to another. The weight of both monitors has been reduced significantly compared to the previous model to make them even easier to carry.
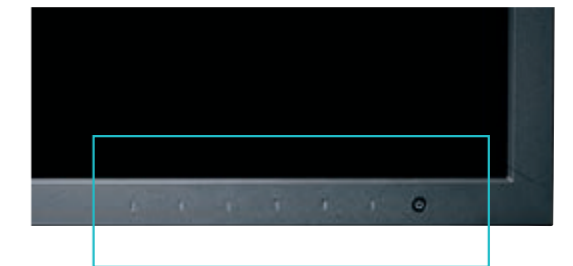
### Easy-Access USB Ports

The monitors are equipped with three easy-to-access USB 3.0 ports, including one port for battery charging devices such as a smartphone.

### Seamless Electrostatic Switches

The flat design uses electrostatic switches on the front bezel in place of traditional buttons for seamless access to the monitor settings.

### Single Cable Connection with USB Type-C

The CS2731 is the first in the ColorEdge lineup to feature USB Type-C connectivity with 60 W power delivery. Simply plug in and get creative without worrying about additional cable clutter.

USB Type-C

### QUICK COLOR MATCH

Use the CS Series with Quick Color Match software to easily achieve accurate prints.

*See page 13 for details.*

18
19

**Built-In Calibration Sensors**

Automatically calibrates while you work

**IP Decoding Solutions**

LAN Cable

PC-less connection

Switch

**In-House Optical Bonding**

Gap

Resin Layer

Without Bonding

With Bonding
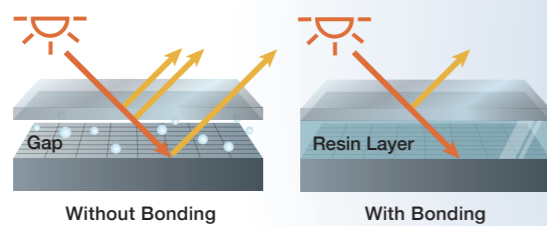
**Market-Focused Cloud Solutions**

Healthcare

Air Traffic Control

Creative Work
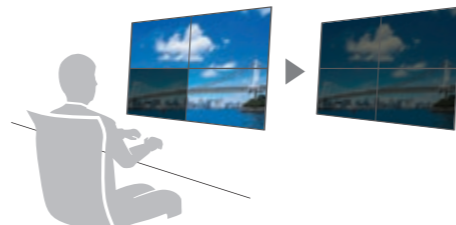
**Software for Improved Workflow**

Use a single mouse across two PCs

Synchronized adjustment of multiple monitors

Simplified CMS with automatic software and printer settings adjustment

**FlexScan**

**Business Enterprise**

**ColorEdge**

**Creative Work**

**CuratOR / RadiForce**

**Healthcare**

**DuraVision**

**Security & Surveillance /Maritime**

**Raptor / Re/Vue / SafeGuard**

**Air Traffic Control**

**FORIS**

**Home Entertainment**

Visual Technology Company

50+ Years of Expertise

Research and Development

Manufacturing

Quality Control

Customization

Global Reach

EIZO

# Specifications

| | CG3145 (31.1″) | CG319X (31.1″) | CG248-4K (23.8″) | CG279X (27″) | CG277 (27″) | CG247X (24.1″) | CG2730 (27″) | CG2420 (24.1″) | CS2731 (27″) NEW | CS2420 (24.1″) | CS2410 (24.1″) NEW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **4K** | | | **CG Series** | | | | | **CS Series** | | |
| **Panel — Type** | IPS | IPS | IPS | IPS | IPS | IPS | IPS | IPS | IPS | IPS | IPS |
| Backlight | Wide-Gamut LED | Wide-Gamut LED | Wide-Gamut LED | Wide-Gamut LED | Wide-Gamut LED | Wide-Gamut LED | Wide-Gamut LED | Wide-Gamut LED | Wide-Gamut LED | Wide-Gamut LED | LED |
| Size | 31.1″ / 78.9 cm | 31.1″ / 78.9 cm | 23.8″ / 60 cm | 27″ / 68.4 cm | 27″ / 68 cm | 24.1″ / 61 cm | 27″ / 68.5 cm | 27″ / 68.5 cm | 27″ / 68.5 cm | 24.1″ / 61.1 cm | 24.1″ / 61.1 cm |
| Native Resolution | 4096 × 2160 (17:9 aspect ratio) | 4096 × 2160 (17:9 aspect ratio) | 3840 × 2160 (16:9 aspect ratio) | 2560 × 1440 (16:9 aspect ratio) | 2560 × 1440 (16:9 aspect ratio) | 1920 × 1200 (16:10 aspect ratio) | 2560 × 1440 (16:9 aspect ratio) | 1920 × 1200 (16:10 aspect ratio) | 2560 × 1440 (16:9 aspect ratio) | 1920 × 1200 (16:10 aspect ratio) | 1920 × 1200 (16:10 aspect ratio) |
| Viewable Image Size (H x V) | 698 × 368.1 mm | 698 × 368.1 mm | 527 × 296.5 mm | 596.7 × 335.7 mm | 596.7 × 335.6 mm | 518.4 × 324 mm | 596.7 × 335.7 mm | 518.4 × 324 mm | 596.7 × 335.7 mm | 518.4 × 324 mm | 518.4 × 324 mm |
| Pixel Pitch | 0.170 × 0.170 mm | 0.170 × 0.170 mm | 0.137 × 0.137 mm | 0.233 × 0.233 mm | 0.233 × 0.233 mm | 0.270 × 0.270 mm | 0.233 × 0.233 mm | 0.270 × 0.270 mm | 0.233 × 0.233 mm | 0.270 × 0.270 mm | 0.270 × 0.270 mm |
| Pixel Density | 149 ppi | 149 ppi | 185 ppi | 109 ppi | 109 ppi | 94 ppi | 109 ppi | 94 ppi | 109 ppi | 94 ppi | 94 ppi |
| Grayscale Tones | DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand) | DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand) | DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand) | USB Type-C, DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand); DVI: 256 tones (a palette of 65 thousand) | DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand); DVI: 256 tones (a palette of 65 thousand) | DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand); DVI: 256 tones (a palette of 65 thousand) | DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand); DVI: 256 tones (a palette of 65 thousand) | DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand); DVI: 256 tones (a palette of 65 thousand) | USB Type-C, DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand); DVI: 256 tones (a palette of 65 thousand) | DisplayPort, HDMI: 1,024 tones (a palette of 65 thousand); DVI: 256 tones | DisplayPort, HDMI, DVI-D: 256 tones (a palette of 65 thousand) |
| Display Colors | DisplayPort, HDMI: 1.07 billion (a 24-bit palette) | DisplayPort, HDMI: 1.07 billion (a 24-bit palette) | DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion) | USB Type-C, DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion); DVI: 16.77 million (a palette of 278 trillion) | DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion); DVI: 16.77 million (a palette of 278 trillion) | DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion); DVI: 16.77 million (a palette of 278 trillion) | DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion); DVI: 16.77 million (a palette of 278 trillion) | DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion); DVI: 16.77 million (a palette of 278 trillion) | USB Type-C, DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion); DVI: 16.77 million (a palette of 278 trillion) | DisplayPort, HDMI, DVI-D: 16.77 million | DisplayPort, HDMI, DVI-D: 16.77 million |
| Viewing Angles (H / V, typical) | 178°, 178° | 178°, 178° | 178°, 178° | 178°, 178° | 178°, 178° | 178°, 178° | 178°, 178° | 178°, 178° | 178°, 178° | 178°, 178° | 178°, 178° |
| Brightness (typical) | 1000 cd/m² | 350 cd/m² | 350 cd/m² | 350 cd/m² | 350 cd/m² | 300 cd/m² | 350 cd/m² | 400 cd/m² | 350 cd/m² | 400 cd/m² | 300 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 | — | 120 cd/m² or less | — |
| Contrast Ratio (typical) | 1,000,000:1 | 1500:1 | 1000:1 | 1300:1 | 1000:1 | 1000:1 | 1500:1 | 1500:1 | 1500:1 | 1000:1 | 1000:1 |
| HDR Gamma | HLG, PQ curve | HLG, PQ curve | HLG, PQ curve (optional) | HLG, PQ curve (optional) | HLG, PQ curve (optional) | HLG, PQ curve (optional) | — | — | — | — | — |
| Response Time (typical) | 10 ms (gray-to-gray) | 9 ms (gray-to-gray) | 14 ms (gray-to-gray) | 13 ms (gray-to-gray) | 14 ms (gray-to-gray) | 6 ms (gray-to-gray) | 10 ms (gray-to-gray) | 13 ms (gray-to-gray) | 10 ms (gray-to-gray) | 16 ms (gray-to-gray) | 14 ms (gray-to-gray) |
| Color Gamut (typical) | DCI-P3: 99% | Adobe RGB: 99%, DCI-P3: 99% | Adobe RGB: 99%, DCI-P3: 93% | Adobe RGB: 99%, DCI-P3: 98% | Adobe RGB: 99%, DCI-P3: 93% | Adobe RGB: 99%, DCI-P3: 98% | Adobe RGB: 99%, DCI-P3: 98% | Adobe RGB: 99%, DCI-P3: 98% | Adobe RGB: 99%, DCI-P3: 98% | Adobe RGB: 99% | sRGB: 100% |
| **Video Signals — Input Terminals** | DisplayPort × 2 (HDCP 1.3), HDMI × 2 (Deep Color, HDCP 2.2 / 1.4) | DisplayPort × 2 (HDCP 1.3), HDMI × 2 (Deep Color, HDCP 2.2 / 1.4) | DisplayPort × 2 (HDCP 1.3), HDMI × 2 (Deep Color, HDCP 1.4) | USB Type-C (DisplayPort Alt Mode, HDCP 1.3), DisplayPort (HDCP 1.3), HDMI (Deep Color, HDCP 1.4), DVI-D (HDCP 1.4) | DisplayPort (HDCP 1.3), HDMI (Deep Color, HDCP 1.4), DVI-D (HDCP 1.4) | DisplayPort (HDCP 1.3), HDMI (Deep Color, HDCP 1.4), DVI-D (HDCP 1.4) | DisplayPort (HDCP 1.3), HDMI (Deep Color, HDCP 1.4), DVI-D (HDCP 1.4) | DisplayPort (HDCP 1.3), HDMI (Deep Color, HDCP 1.4), DVI-D (HDCP 1.4) | USB Type-C (DisplayPort Alt Mode, HDCP 1.3), DisplayPort (HDCP 1.3), HDMI (Deep Color, HDCP 1.4), DVI-D (HDCP 1.4) | DisplayPort (HDCP 1.3), HDMI (DeepColor, HDCP 1.4), DVI-D (HDCP 1.4) | DisplayPort (HDCP 1.3), HDMI (Deep Color, HDCP 1.4), DVI-D (HDCP 1.4) |
| Digital Scanning Frequency (H / V) | DisplayPort: 25 - 137 kHz, 23 - 61 Hz; HDMI: 15 - 136 kHz, 23 - 61 Hz | DisplayPort: 25 - 137 kHz, 23 - 61 Hz; HDMI: 15 - 136 kHz, 23 - 61 Hz | DisplayPort: 24.5 - 137.5 kHz, 22.5 - 71.5 Hz; HDMI: 14.5 - 135.5 kHz, 22.5 - 71.5 Hz | USB Type-C, DisplayPort, DVI: 26 - 89 kHz, 23 - 61 Hz; HDMI: 15 - 89 kHz, 23 - 61 Hz | DisplayPort, DVI: 26 - 89 kHz, 23.75 - 63 Hz; HDMI: 15 - 78 kHz, 23.75 - 61 Hz | DisplayPort, DVI: 26 - 78 kHz, 23 - 63 Hz; HDMI: 15 - 78 kHz, 24 - 61 Hz | DisplayPort, DVI: 26 - 89 kHz, 23 - 61 Hz; HDMI: 15 - 89 kHz, 23 - 61 Hz | DisplayPort, DVI: 26 - 78 kHz, 24 - 61 Hz; HDMI: 15 - 78 kHz, 24 - 61 Hz | USB Type-C, DisplayPort, DVI: 26 - 89 kHz, 23 - 61 Hz; HDMI: 15 - 89 kHz, 23 - 61 Hz | DisplayPort, DVI: 26 - 78 kHz, 24 - 61 Hz; HDMI: 15 - 78 kHz, 24 - 61 Hz | DisplayPort, DVI: 26 - 78 kHz, 23 - 63 Hz; HDMI: 15 - 68 kHz, 23 - 63 Hz |
| **USB — Upstream** | USB 3.1 Gen 1: Type-B | USB 3.1 Gen 1: Type-B | USB 3.1 Gen 1: Type-B | USB 3.1 Gen 1: Type-C (DisplayPort Alt Mode, Power Delivery Source 15 W max.), Type-B | USB 2.0: Type-B × 2 | USB 2.0: Type-B × 2 | USB 3.1 Gen 1: Type-B × 2 | USB 3.1 Gen 1: Type-B | USB 3.1 Gen 1: Type-C (DisplayPort Alt Mode, Power Delivery Source 60 W max.), Type-B | USB 3.1 Gen 1: Type-B | USB 3.1 Gen 1: Type-B |
| Downstream | USB 3.1 Gen 1: Type-A × 3 (Battery Charging 10.5 W max. × 1) | USB 3.1 Gen 1: Type-A × 3 (Battery Charging 10.5 W max. × 1) | USB 3.1 Gen 1: Type-A × 3 (Battery Charging 10.5 W max. × 1) | USB 3.1 Gen 1: Type-A × 2, USB 2.0: Type-A × 2 | USB 2.0: Type-A × 2 | USB 2.0: Type-A × 2 | USB 3.1 Gen 1: Type-A × 3 (Battery Charging 10.5 W max. × 1) | USB 3.1 Gen 1: Type-A | USB 3.1 Gen 1: Type-A × 2 | USB 3.1 Gen 1: Type-A × 3 (Battery Charging 10.5 W max. × 1) | USB 3.1 Gen 1: Type-A × 3 (Battery Charging 10.5 W max. × 1) |
| **Power — Power Requirements** | AC 100 - 240 V, 50 / 60 Hz | AC 100 - 240 V, 50 / 60 Hz | AC 100 - 240 V, 50 / 60 Hz | AC 100 - 240 V, 50 / 60 Hz | AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz | AC 100 - 120 V, 50 / 60 Hz | AC 100 - 240 V, 50 / 60 Hz | AC 100 - 240 V, 50 / 60 Hz | AC 100 - 240 V, 50 / 60 Hz | AC 100 - 240 V, 50 / 60 Hz | AC 100 - 240 V, 50 / 60 Hz |
| Typical Power Consumption | 267 W | 52 W | 52 W | 32 W | 43 W | 22 W | 33 W | 20 W | 34 W | 26 W | 18 W |
| Maximum Power Consumption | 472 W | 140 W | 136 W | 111 W | 99 W | 60 W | 95 W | 79 W | 159 W | 92 W | 57 W |
| Power Save Mode | 1.2 W or less | 1.2 W or less | 9 W or less | 1 W or less | 0.7 W or less | 0.7 W or less | 0.6 W or less | 0.7 W or less | 0.7 W or less | 0.7 W or less | 0.6 W or less |
| Standby Mode | 0.7 W or less | 1.2 W or less | 9 W or less | 1 W or less | 0.5 W or less | 0.5 W or less | 0.6 W or less | 0.6 W or less | 1 W or less | 0.7 W or less | 0.6 W or less |
| **Built-In Calibration Sensor** | — | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | — | — |
| **Dedicated Software — Quick Color Match** | — | — | — | Supported | Supported | — | Supported | Supported | Supported | Supported | Supported |
| ColorNavigator 7 | Supported | Supported | Supported | Supported | Supported | Supported | Supported | Supported | Supported | Supported | Supported |
| **Features & Functions — Brightness Stabilization** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | — |
| Digital Uniformity Equalizer | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | — |
| Preset Modes | Color Mode (BT.2020, BT.709, DCI, PQ_BT.2100, PQ_BT.709, PQ_DCI, HLG_BT.2100, Calibration) | Color Mode (BT.2020, BT.709, DCI, PQ_BT.2100, PQ_BT.709, PQ_DCI, HLG_BT.2100, Calibration) | Color Mode (Custom, Adobe RGB, sRGB, REC709, EBU, SMPTE-C, DCI, REC2020, Calibration) | Color Mode (User, BT.2020, BT.709, DCI, PQ_DCI, PQ_BT.2100, HLG_BT.2100, Adobe RGB, sRGB, Calibration) | Color Mode (Custom, Adobe RGB, sRGB, REC709, EBU, SMPTE-C, DCI, Calibration) | Color Mode (Custom, Adobe RGB, sRGB, REC709, EBU, SMPTE-C, DCI, Calibration) | Color Mode (Custom, Adobe RGB, sRGB, Calibration) | Color Mode (Custom, Adobe RGB, sRGB, Calibration) | Color Mode (Custom, Adobe RGB, sRGB, Calibration) | Color Mode (User, Adobe RGB, sRGB, Calibration) | Color Mode (Custom, sRGB, Calibration) |
| **Supplied Accessories — Others** | AC power cord, USB cable, setup guide, adjustment certificate, ScreenCleaner, monitor hood, warranty card | AC power cord, USB cable, setup guide, adjustment certificate, ScreenCleaner, monitor hood, warranty card | AC power cord, USB cable, setup guide, EIZO LCD Utility Disk (ColorNavigator software, PDF user's manual), adjustment certificate, ScreenCleaner, monitor hood, quick reference, warranty card | AC power cord, USB cable, setup guide, ScreenCleaner, monitor hood, warranty card | AC power cord, USB cable, adjustment certificate, setup guide, ScreenCleaner, monitor hood, warranty card | AC power cord, USB cable, setup guide, EIZO LCD Utility Disk (ColorNavigator software, PDF user's manual), adjustment certificate, ScreenCleaner, monitor hood, quick reference, warranty card | AC power cord, USB cable, setup guide, EIZO LCD Utility Disk (ColorNavigator software, PDF user's manual), adjustment certificate, ScreenCleaner, monitor hood, warranty card | AC power cord, USB cable, Setup guide, EIZO LCD Utility Disk (ColorNavigator software, PDF user's manual), Adjustment certificate, ScreenCleaner, Monitor hood, Quick reference, Warranty card | AC power cord, USB cable, setup guide, warranty card | AC power cord, USB cable, Setup guide, EIZO LCD Utility Disk (ColorNavigator software, PDF user's manual), Stand base, Cable holder, Mounting screw, Quick reference, Warranty card | AC power cord, USB cable, setup guide, warranty card |
| **Physical Specifications — Dimensions (Landscape, W x H x D)** | 757 × 488 × 236.5 mm | 735 × 434 - 588 × 290 mm | 553 × 394 - 544 × 245 mm | 638 × 415.9 - 570.9 × 265 mm | 646 × 425 - 576.5 × 281.5 mm | 575 × 417 - 545 × 245.5 mm | 638 × 404.1 - 559.1 × 245 mm | 554.4 × 396 - 551 × 245 mm | 638 × 404.1 - 559.1 × 245 mm | 554.4 × 396 - 551 × 245 mm | 554.4 × 396 - 551 × 245 mm |
| Dimensions (Portrait, W x H x D) | — | — | 345 × 564 - 642 × 245 mm | 390 × 649 - 689 × 265 mm | 402 × 671 - 704 × 281.5 mm | 398 × 594.5 - 642.5 × 245.5 mm | 378.2 × 649 - 689 × 245 mm | 362 × 565.4 - 647.2 × 245 mm | 378.2 × 649 - 689 × 245 mm | 362 × 565.4 - 647.2 × 245 mm | 362 × 565.4 - 647.2 × 245 mm |
| Dimensions (Without Stand, W x H x D) | — | 735 × 423 × 71.5 mm | 553 × 345 × 64 mm | 638 × 390 × 69.4 mm | 646 × 402 × 92 mm | 575 × 398 × 75 mm | 638 × 378.2 × 64 mm | 554.4 × 362 × 64 mm | 638 × 378.2 × 75 mm | 554.4 × 362 × 64 mm | 554.4 × 362 × 64 mm |
| Dimensions (Landscape with Hood, W x H x D) | 778 × 498.5 × 355.6 mm | 754.4 × 443.6 - 597.6 × 381.5 mm | 572.4 × 403 - 553 × 340 mm | 657.4 × 425.6 - 580.6 × 353.5 mm | 653 × 432.5 - 584 × 379.5 mm | 596 × 427.8 - 555.8 × 356.7 – 380 mm | 657.4 × 413.8 - 568.8 × 336 mm | 572.4 × 405 - 560 × 336 mm | — | — | — |
| Dimensions (Portrait with Hood, W x H x D) | — | 12.4 kg | — | 410.5 × 679 - 712 × 379.5 mm | — | — | — | — | — | — | — |
| Net Weight | 25.8 kg | 13.3 kg | 8.5 kg | 10.3 kg | 12.8 kg | 8.9 kg / 18.6 lbs | 8.9 kg | 7.8 kg | 6.5 kg | 7.8 kg | 7.9 kg |
| Net Weight (Without Stand) | — | 8.3 kg | 5.7 kg | 6.6 kg | 8.8 kg | 6.2 kg / 13.7 lbs | 6.1 kg | 5 kg | — | 5 kg | 5.1 kg |
| Net Weight (With Hood) | 26.7 kg | 154 mm | 9.2 kg | 11 kg | 13.8 kg | 9.7 kg / 21.4 lbs | 9.5 kg | 8.5 kg | 155 mm | 155 mm | 155 mm |
| Height Adjustment Range | 155 mm | 150 mm | 155 mm | 155 mm | 151.5 mm | 128 mm | 155 mm | 155 mm | 155 mm | 155 mm | 155 mm |
| Tilt | 344° | 35° Up, 5° Down | 35° Up, 5° Down | 35° Up, 5° Down | 25° Up, 0° Down | 30° Up, 0° Down | 35° Up, 5° Down | 35° Up, 5° Down | 344° | 35° Up, 5° Down | 35° Up, 5° Down |
| Swivel | — | 344° | 344° | 344° | 344° | 344° | 344° | 344° | 344° | 344° | 344° |
| Pivot | — | 100 × 100 mm | 90° | 90° | 90° | 90° | 90° | 90° | 90° | 90° | 90° |
| Hole Spacing (VESA Standard) | 100 × 100 mm | — | 100 × 100 mm | 100 × 100 mm | 100 × 100 mm | 100 × 100 mm | 100 × 100 mm | 100 × 100 mm | 100 × 100 mm | 100 × 100 mm | 100 × 100 mm |
| **Environmental Requirements — Operating Temperature** | 0 - 30 °C | 0 - 35 °C | 0 - 35 °C | 0 - 35 °C | 0 - 35 °C | 0 - 35 °C | 0 - 35 °C | 0 - 35 °C | 0 - 35 °C | 0 - 35 °C | 0 - 35 °C |
| Operating Humidity | 20 - 80 % | 20 - 80 % | 20 - 80 % | 20 - 80 % | 20 - 80 % | 20 - 80 % | 20 - 80 % | 20 - 80 % | 20 - 80 % | 20 - 80 % | 20 - 80 % |
| **Certifications & Standards** | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, RCM, EAC, RoHS, WEEE | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, TUV/Color Accuracy (Quick Stability), RCM, EAC, TUV/Color Accuracy (Quick Stability), FograCert Softproofing System (class A) | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, RCM, EAC, TUV/Color Accuracy (Quick Stability), FograCert Softproofing System (class A) | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/Ergonomics, TUV/Color Accuracy (Quick Stability), RCM, EAC, RoHS, WEEE, FograCert Softproofing System (class A) | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, TUV/Color Accuracy (Quick Stability), RCM, EAC, TUV/Color Accuracy (Quick Stability), FograCert Softproofing System (class A) | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, RCM, EAC, TUV/Color Accuracy (Quick Stability), FograCert Softproofing System (class A) | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, RCM, RoHS, WEEE, EAC, TUV/Color Accuracy (Quick Stability), FograCert Softproofing System (class A) | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, RCM, RoHS, WEEE, EAC | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, RCM, RoHS, WEEE, EAC | FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, RCM, RoHS, WEEE, EAC | CB, CE, TUV/GS, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, TUV/Ergonomics, RCM, RoHS, WEEE, EAC |
| **Warranty** | Five Years [1, 2, 3] | Five Years [1, 2, 3] | Five Years [1, 2, 3] | Five Years [1, 2, 3] | Five Years [1, 2, 3] | Five Years [1, 2, 3] | Five Years [1, 2, 3] | Five Years [1, 2, 3] | Five Years [1, 3] | Five Years [1, 3] | Five Years [1, 3] |

Dimensions (Unit: mm)

[1] Usage time is limited to 30,000 hours (10,000 hours for the CG3145 LCD panel).

[2] Brightness of the CG Series is warranted for up to 10,000 hours if it is used within the recommended brightness of 120 cd/m² or less and the color temperature between 5000 - 6000K.
When CG3145 is used at a color temperature of 6500K, a brightness level of at least 800 cd/m² is warranted.
When CG319X or CG279X are used at a color temperature of 5000 - 6000K, a brightness level of at least 120 cd/m² is warranted.

[3] Free from bright sub-pixels for 6 months from the date of purchase.
With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

## Accessories

### Monitor Hoods

Monitor hoods are bundled with the CG Series and optional for the CS Series.

#### CH2700
Supported Models: CG279X, CG2731

#### CH2400
Supported Models: CG248-4K, CG2420, CS2420, CS2410

#### CH5
Supported Models: CG277

### Calibration Device

#### EX3
Adjust CS Series monitors to your ideal settings with this external calibration device.

### Monitor Cleaning Kit

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

## Software

**Screen-to-Print Color Matching Tool**
### QUICK COLOR MATCH
Easy color matching tool for simplifying monitor, retouching software, and printer settings.

**Color Management Software**
### ColorNavigator 7
Color management and quality control software for simple calibration and predictable color results.

**Network Color Management Software**
### ColorNavigator Network
Network color management software for centralized quality control of ColorEdge monitors on a network.

ColorNavigator 7 Compatibility Information (as of May, 2019)
*See www.eizoglobal.com for the latest information.*

|  | Mac | Windows | Linux |
|---|---|---|---|
| **Compatible OS** | macOS Mojave (10.14) /macOS High Sierra (10.13) / macOS Sierra (10.12) / OS X El Capitan (10.11) | Windows 10 (32-bit, 64-bit) / 8.1 (32-bit, 64-bit) / 7 (32-bit, 64-bit) | Red Hat Enterprise Linux 7 (64-bit) |

| Manufacturer | Supported Sensor |
|---|---|
| **X-Rite** | i1 Monitor (XRGA), i1 Pro (XRGA), i1 Pro 2 (XRGA), i1 Display 3, i1 Display Pro, i1 Studio, ColorMunki PHOTO, ColorMunki DESIGN |
| **Datacolor** | Spyder4, Spyder5 |
| **EIZO** | EX2, EX3, Built-In Calibration Sensor |
| **basICColor** | DISCUS |
| **Klein** | K-10, K-10A |
| **Photo Research** | PR-655, RP-670, PR-680 |
| **Konica Minolta** | CS-2000, CS-2000A, CS-200, CA-210, CA-310 |
| **Colorimetry Research** | CR-100, CR-250, CR-300 |
| **JETI** | Specbos 1211, Spectraval 1501 |
| **TOPCON** | SR-3, SR-UL1R |
| **DK Technologies** | PM-5639 |

*For the latest information, see www.eizoglobal.com/products/coloredge/cn7*