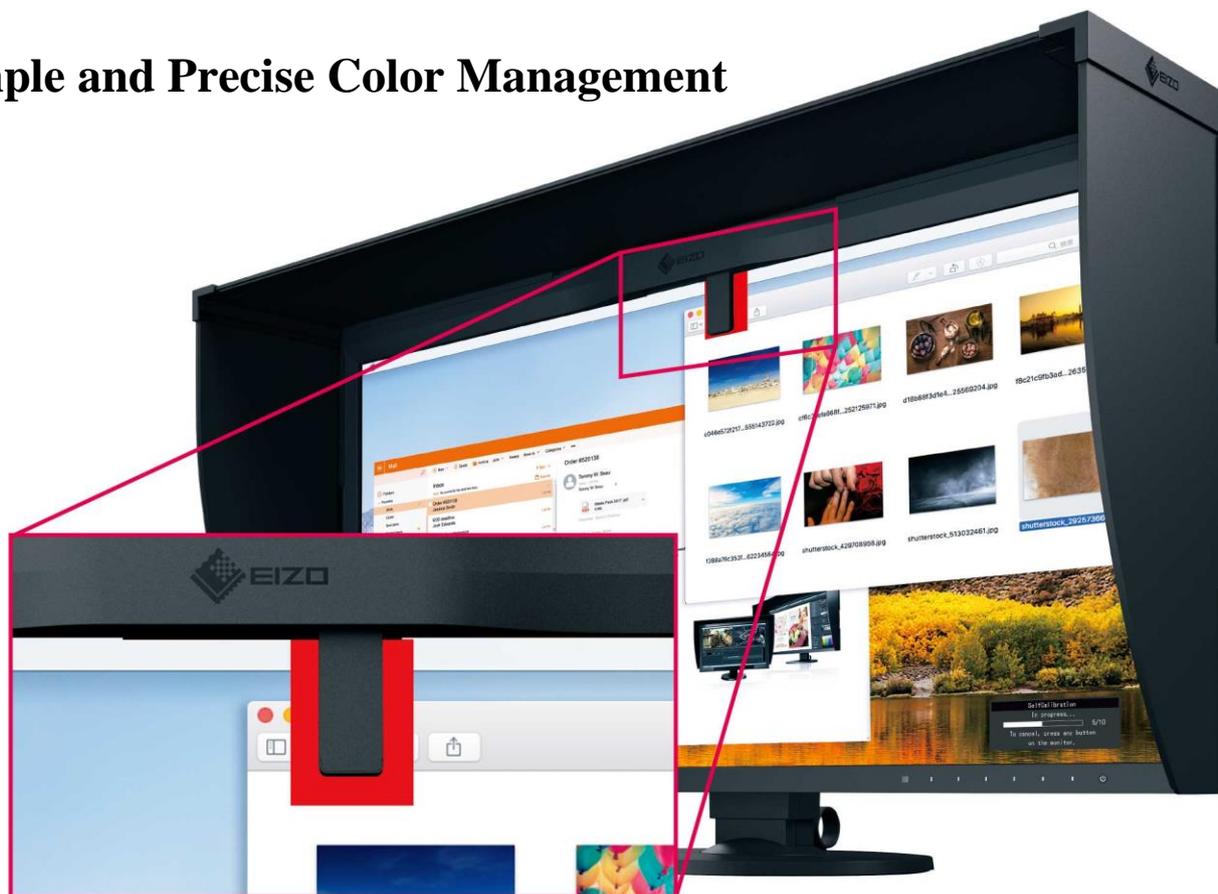


Simple and Precise Color Management



Built-In Sensor to Automate Your Workflow

The ColorEdge CG319X is 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 monitor features the latest sensor technology, which allows you to continue using it even during recalibration. The sensor swings onto the screen, taking up minimal space, so your work remains uninterrupted.

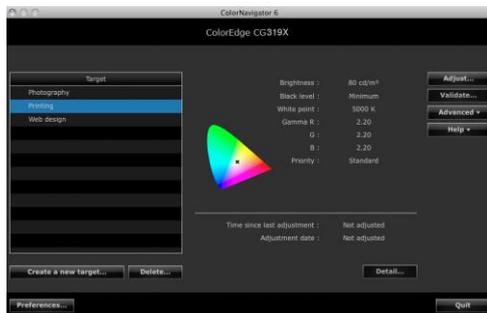
It is not recommended to carry out color-critical work during recalibration as the screen's colors will be adjusted.

ColorNavigator 6 Color Management Software

To properly manage color in your work, it is necessary to ensure your monitor maintains consistent settings. ColorNavigator 6 is available as a free download and allows you to easily carry out calibration. Simply select the desired preset or assign values for brightness, white point, and gamma. The built-in sensor directly utilizes the monitor's look-up-table and creates an ICC profile within minutes.

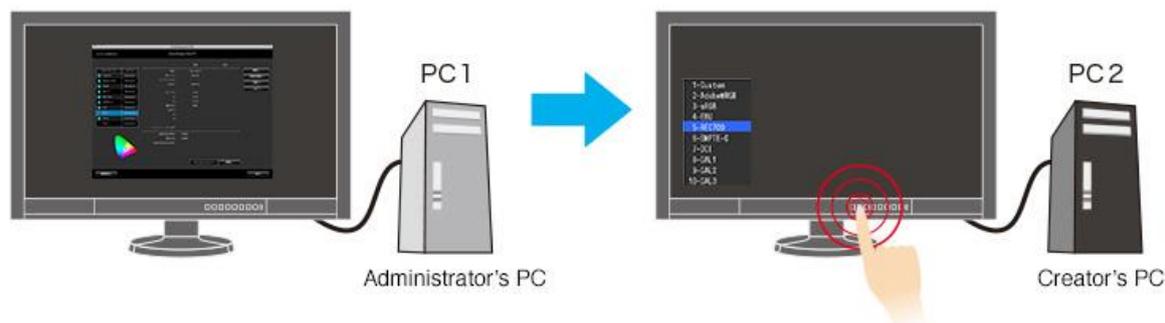
ColorNavigator™ 6

ColorNavigator NX Quality Control Software



The CG319X supports ColorNavigator NX quality control (QC) software. It offers asset management of client ColorEdge monitors and covers calibration, emulation, built-in sensor correlation, and color mode settings. With ColorNavigator NX, calibration information is saved to the monitor instead of the PC's operating system so you do not have to recalibrate if connecting to more than one PC. The software is most effectively used with EIZO's ColorNavigator Network solution.

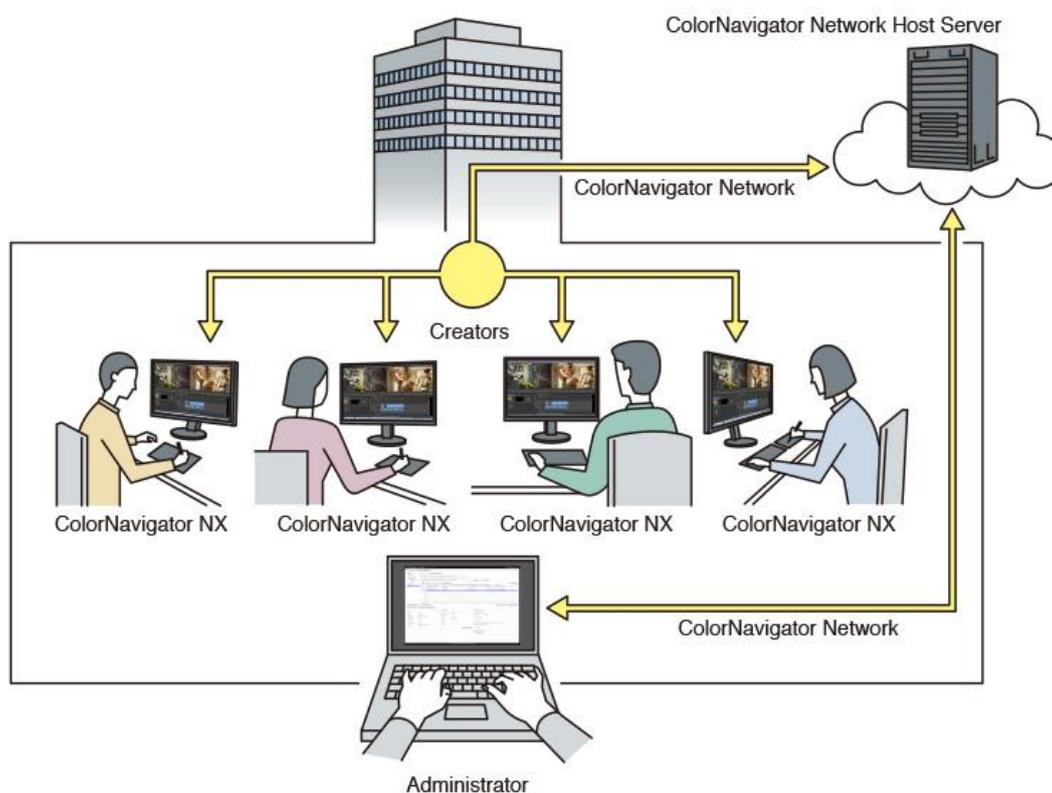
ColorNavigator™ NX



ColorNavigator Network Quality Control Software

ColorNavigator Network provides centralized quality control of ColorEdge monitors that have ColorNavigator NX installed. Administrators can set color modes, schedule self-calibration, register or adjust asset management settings, and other tasks whether the monitors are local or remote. ColorNavigator Network is hosted on a secure cloud server to free you from the initial investment and running costs of providing your own server.

ColorNavigator™ Network



Predictable Color with Any Media

With content published on so many different types of printed and digital media it's critical to know how your clients will see color. A ColorEdge monitor and the bundled ColorNavigator software let you do just that as they are designed for both softproofing and digital device emulation. So now you can "predict" how color will appear to your clients whether you produce content for printed media like books and magazines or for digital media devices like tablets, smart phones, and notebook computers.

Feature for Video Editing and Post Production

DCI 4K Resolution

**DCI
4K**
4096 × 2160

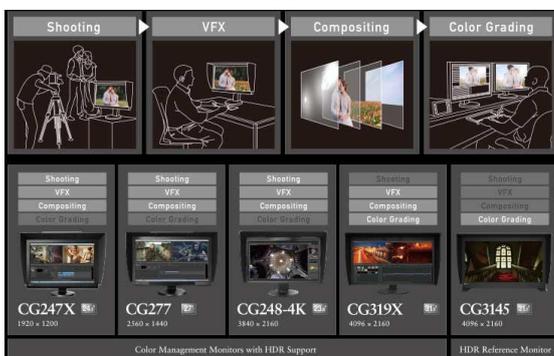
The ColorEdge CG319X displays the DCI 4K standard (4096 x 2160) which is more than four times that of full HD (1920 x 1080). It's ideal for creating, editing, and referencing with 2D and 3D CGI, VFX, compositing, and color grading.



Large 31.1" Screen

Whether you are creating, editing, or checking your work, this screen offers ample space to focus on 4K content. At a dense 149 ppi, it's suited for not only video editing but also photo retouching and printing.

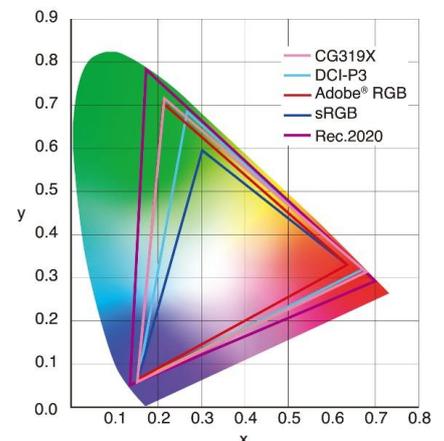
HDR Gamma Support



The ColorEdge CG319X is equipped with HLG (hybrid log-gamma) and the PQ (perceptual quantization) curve for displaying and editing HDR (high dynamic range) video content. 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). This ensures professional creators can reliably display HDR content for editing and color grading.

Vivid Colors Reproduced to Industry Standards

This wide-gamut monitor faithfully reproduces 98% of the DCI-P3 standard used in digital cinema and supports the Rec. 2020 standard used in broadcasting. In addition, it covers 99% of the Adobe RGB color space so images shot in Adobe RGB will be displayed correctly. The wide color gamut also ensures reproduction of almost the entire ISO-coated and US web-coated CMYK color spaces used in printing.



True Black Display

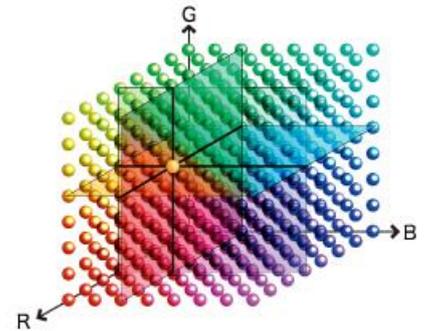
In compliance with the DCI standard, the ColorEdge CG319X offers a high contrast ratio of 1500:1* for producing true blacks that are otherwise difficult to display on a typical LCD monitor. When viewing the screen from an angle in a dimly lit room, dark tones typically appear washed out due to the display characteristics of LCD backlights. The CG Series is equipped with a retardation film which allows tones to retain their depth even when viewed from an angle.



**Typical value when DUE Priority is set to "Brightness".*

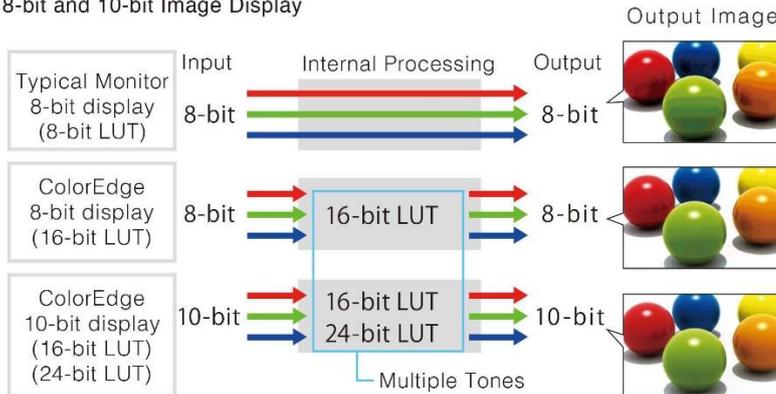
3D LUT for Accurate Color Display

A 3D LUT is included which adjusts colors individually on an RGB cubic table. With the supported ColorNavigator NX software's emulation function, creators can check how content will appear to 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.



10-Bit Simultaneous Display

8-bit and 10-bit Image Display



With 10-bit simultaneous display from a 24-bit look-up-table (LUT), the ColorEdge CG319X can show more than one billion colors simultaneously. This results in smooth color gradations and reduced Delta-E between two adjacent colors.

Broadcast and Cinema Presets

Preset modes for DCI-P3, Rec. 709, and Rec. 2020 ensure you can work in the appropriate color spaces and gamma values. In addition, preset modes for PQ (DCI and Rec. 2100) and HLG (Rec. 2100) are available for viewing HDR content. With the built-in calibration sensor, you can conveniently adjust or maintain the brightness setting for each preset.

Luminance Warning

The ColorEdge CG319X includes a PQ and HLG Clipping function that shows the areas of an image which display at brightness levels higher than the current setting. The areas which cannot be displayed at the correct brightness with the current settings are shown in yellow or magenta. PQ and HLG Clipping can be viewed for brightness levels of 300, 500, 1000, and 4000 cd/m².



Safe Area Marker

A safe area marker 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. The color of the marker is changeable to ensure it remains with any imagery.



Aspect Marker

An aspect marker designates the areas of the screen size that will be shown on a display device when you input DCI 4K (4096 x 2160) or DCI 2K (2048 x 1080). This allows you to confirm how the screen size and composition of the scene will appear in other viewing environments. Aspect ratios 1.85:1, 2.35:1, and 2.39:1 can be selected.

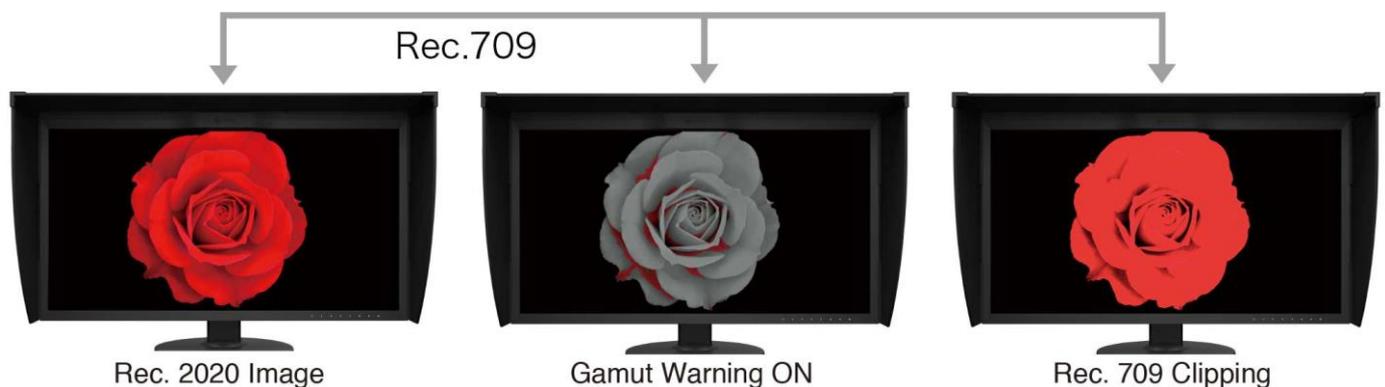
4K Zoom Function

Enlarge areas of the screen to confirm small details and check focus accuracy in photos using the 4K zoom function. It is quickly and easily accessible using the monitor's front buttons.



Rec. 709 Out of Gamut Warning

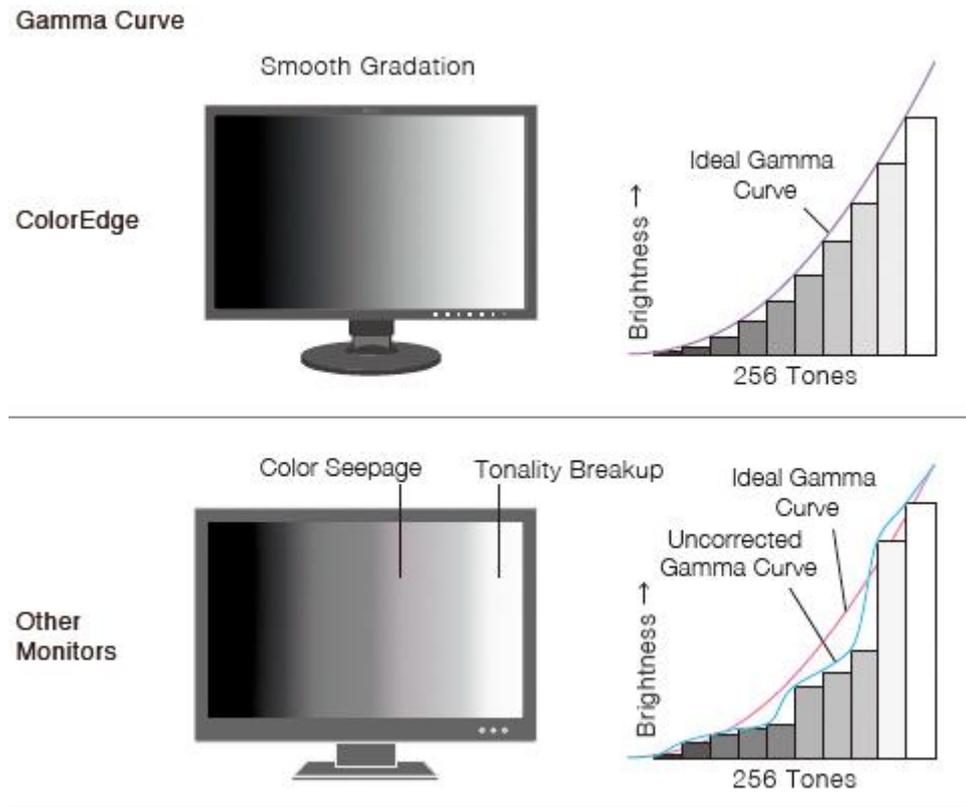
The monitor includes a Gamut Warning preset. When selected, the areas of a Rec. 2020 image that cannot be reproduced using Rec. 709 are clearly indicated by converting them to shades of gray. An additional mode called Rec. 709 Clipping allows the editor to view Rec. 2020 images within the Rec. 709 color space, simulating how it would look to their audience in an HDTV environment.



Features for Stable Image Display

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 24-bit look-up-table (LUT) to select the most appropriate tones and achieve the desired value. This ensures the smoothest color gradations in your images.



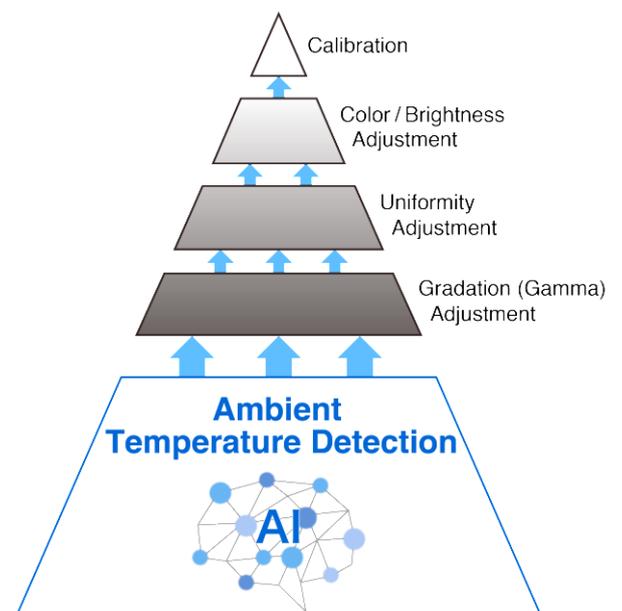
Stable Display Using Industry-First AI

The color and brightness of an LCD monitor can be affected by changes in ambient temperature and the temperature of the monitor itself. The ColorEdge series is equipped with an internal temperature sensor which detects those changes and adjusts the monitor so gradations, color, brightness, and other characteristics continue to be displayed accurately. In addition, the algorithm used in the AI (artificial intelligence)* of the ColorEdge CG319X allows it to perform this temperature detection even at high brightness levels for providing a truly accurate viewing environment.

* Patent pending.

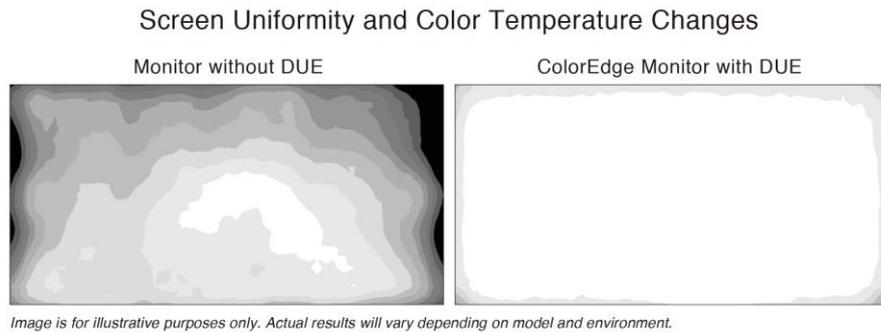
Stable Color in Just 3 Minutes

A typical monitor takes 30 minutes or more for its brightness, chromaticity, and tone characteristics to stabilize. The ColorEdge CG319X 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.



Uniformity Across the Screen

Fluctuations in brightness and chromaticity on different parts of the screen are a common trait of LCD monitors. To counteract this, ColorEdge monitors are equipped with EIZO's patented digital uniformity equalizer (DUE) technology to ensure stable image display and counterbalance the influences that a fluctuating temperature may have on color temperature and brightness for stable image display.



Features for Comfort and Ease-of-Use

Minimized Reflections with Non-Glare Panel

The monitor is equipped with an IPS non-glare panel for high visibility. It also uses dimming technology to minimize flicker and help prevent eye fatigue for a more comfortable working environment.

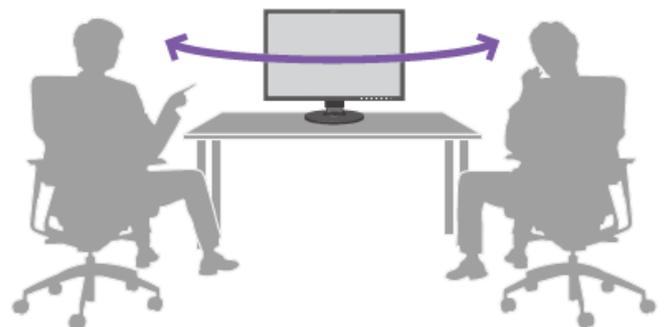


Wide Viewing Angles with IPS Panel

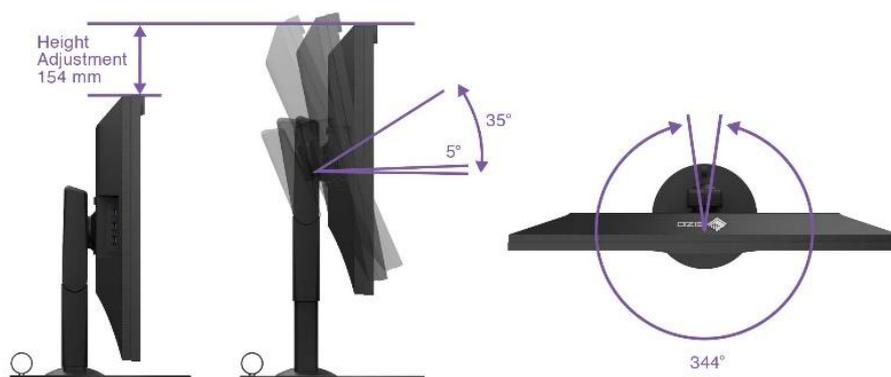
The 178° wide viewing angles afforded by the IPS panel technology allow two or more people to view the screen at once with little change in color or contrast.

Light Shielding Hood

The CG Series comes bundled with a shading hood that effectively prevents glare on the monitor's screen caused by ambient lighting. The ColorEdge CG319X's shading hood attaches to the monitor magnetically. This allows the users to attach the hood quickly and easily without needing to connect separate parts.



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 monitor comes with a versatile stand that offers height, tilt, and swivel adjustments. The stand is also equipped with a quick release that allows you to easily remove the screen from the stand with a single touch.

Stand meets IEC/EN 62368-1 standard.

Built-In Carrying Handle

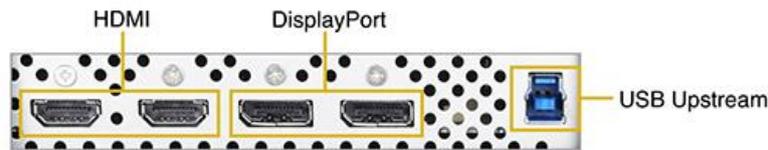
A carrying handle on the back of the monitor allows you to easily move it from one location to another.

Noiseless, Fanless Operation

The monitor provides noiseless, fanless operation while still maintaining low heat output without impacting performance.

Multiple Inputs

The ColorEdge CG319X is equipped with two DisplayPort and two HDMI inputs. It supports various video formats of up to 10-bit 4:4:4 at 50/60p via DisplayPort and 10-bit 4:2:2 at 50/60p via HDMI.



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.*

Zero Bright Pixels



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

[See our Bright Pixel Policy for details.](#)

Brightness and Color Warranty

The brightness and color of the ColorEdge CG319X's warranted for up to 10,000 hours* from the date of purchase.

A brightness level of 120 cd/m² or more and a color temperature of 5000 - 6500 K are warranted.