



31.1" Hardware Calibration LCD Monitor
ColorEdge® CG318-4K



DCI
4K
4096 × 2160

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4K
4096 × 2160

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Built-in sensor swings down to self-calibrate

Built-In Calibration Sensor

Automate your calibration with the built-in calibration sensor that eliminates the time and effort of an external calibration device. With the dedicated ColorNavigator NX and ColorNavigator 6 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.

Color Management Software

ColorNavigator™ NX

Color Management Software

ColorNavigator™ 6



ColorNavigator NX and ColorNavigator 6 are available for download from the EIZO web site free of charge.

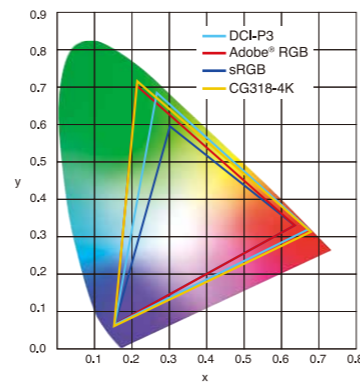
DCI 4K 4096 × 2160

Large 31.1" Screen

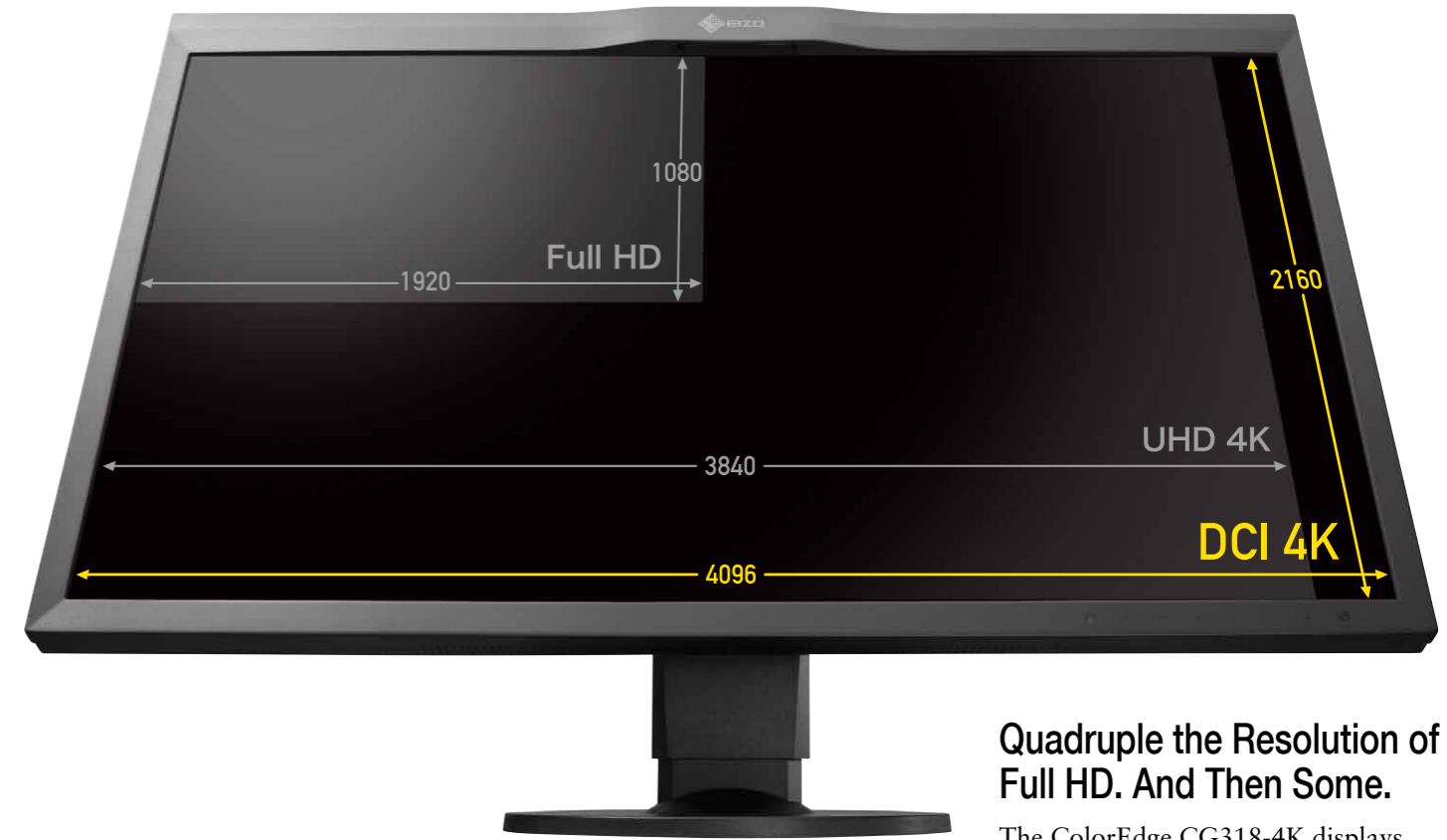
Whether you are creating, editing, or checking your work, this screen offers ample space to focus on 4K content. At a dense 149 ppi, this monitor is ideal for not only video but also photography and printing.

Reproduces 98% of DCI-P3

This wide-gamut monitor faithfully reproduces almost the entire DCI-P3 standard used in digital cinema. It also covers 100% of the Rec. 709, EBU, and SMPTE-C standards and 99% of Adobe RGB. What's more, it reproduces the sky blues and lush greens that standard sRGB monitors cannot.



Three easy-access USB 3.0 downstream ports



Quadruple the Resolution of Full HD. And Then Some.

The ColorEdge CG318-4K displays the DCI 4K standard (4096 × 2160). It's ideal for 2D and 3D CGI, VFX, compositing, and color grading. It is also effective for photo retouching work.

ColorEdge® CG318-4K

Your creativity in extreme detail.



ColorEdge® CG318-4K



Unobtrusive frames

Backlit control switches

True Blacks with 1500:1 Contrast Ratio

In compliance with the DCI standard, the contrast ratio is a high 1500:1. This produces true blacks that are otherwise difficult to display on a typical LCD monitor. Even when viewing the screen from an angle in a dimly lit studio, the dark tones retain their depth.

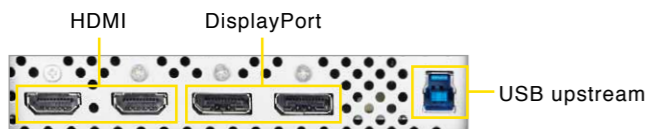


CG318-4K

Conventional Monitor

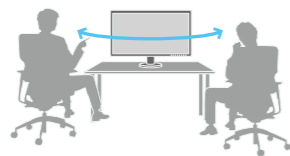
Multiple Inputs

With a single cable, DCI 4K resolution at 60 Hz is supported by both DisplayPort 1.2 inputs and at 30 Hz by both HDMI inputs.



Consistent Color Display with IPS Panel

A large screen monitor often exhibits color shift when viewed from an angle. With an IPS panel, more than one person can view the screen at once with little change in color or contrast.



Uniformity from Corner to Corner

Fluctuations in brightness and chromaticity on different parts of the screen are a common trait of LCD monitors. To counteract this, the monitor incorporates EIZO's patented digital uniformity equalizer (DUE) technology to ensure a Delta-E difference of 3 or less across the screen when the monitor leaves the factory.

10-Bit Simultaneous Display

With 10-bit simultaneous color display* from a 16-bit look-up table, the CG318-4K 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.

*A graphics board and software which support 10-bit output are also necessary for 10-bit display. Equipment that supports Deep Color is necessary with the HDMI inputs.

3D LUT for Accurate Color Display

A 3D LUT is included which adjusts colors individually on an RGB cubic table. With the emulation function of ColorNavigator NX and ColorNavigator 6, the 3D LUT applies a film look to the image so creators can check how it will be seen by their audience.

Stable Color in Just Three Minutes

A typical monitor takes 30 minutes or more for its brightness, chromacity, and tone characteristics to stabilize, but the CG318-4K takes just three minutes so you get stable color right away.

Color Management Solution ColorNavigator™ Network

With ColorNavigator Network software, an administrator can centralize management of all CG318-4K and other ColorEdge monitors on a network. For example the administrator can self calibrate, set color modes, register or edit asset management settings and other tasks whether the monitors are local or remote. This ensures that monitors always have the proper settings and saves hundreds or even thousands of hours in annual maintenance time.

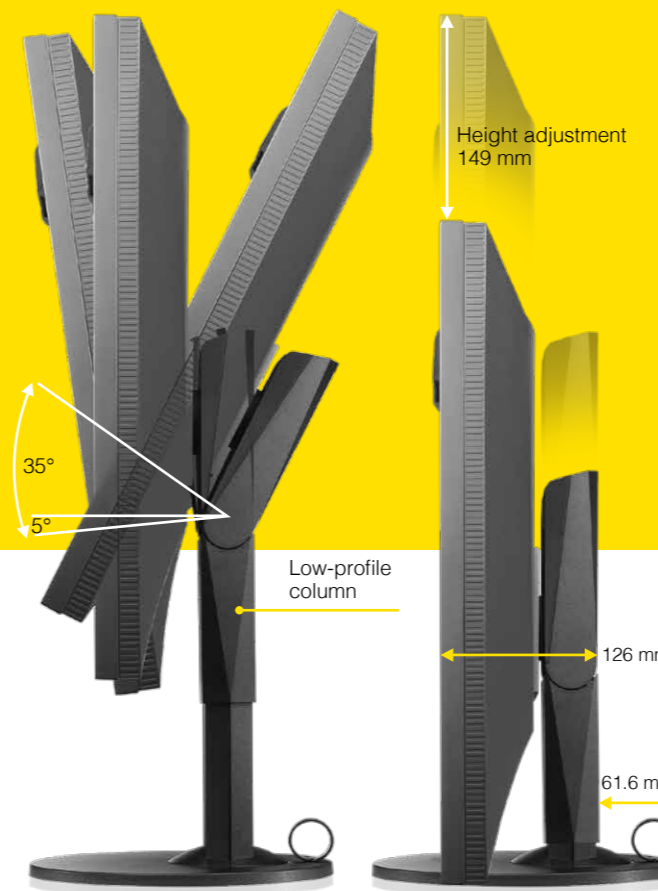
Broadcast and Cinema Presets

Preset color modes for EBU, Rec. 709, SMPTE-C, and DCI ensure you can work in the appropriate color spaces and gamma values. To switch between the presets just push a button on the front of the monitor. With the built-in calibration sensor, you can adjust or maintain the brightness setting for each preset.

Safe Area Marker

A safe area marker designates the area of the screen that will be displayed on any display device. This allows you to confirm that subtitles and other text will be visible.

Available with HDMI inputs only.



Flicker-Free for Reduced Eye Fatigue

The ColorEdge CG318-4K offers flicker-free viewing at all brightness levels to reduce eye fatigue.

Shading Hood Included

To prevent ambient light from reflecting off the screen, a shading hood that surrounds the top and left and right sides is bundled with the monitor.

5-Year Warranty

A manufacturer's 5-year warranty covers all components including the LCD panel.



Brightness and Color Warranty

Brightness and color are warrantied for up to 10,000 hours from the date of production.

Must be used within the recommended brightness of 120 cd/m² or less and the color temperature between 5000 - 6500 K.

Cabinet Color	Black
Panel Type	IPS
Panel Size	31.1" / 79 cm (789 mm diagonal)
Native Resolution	4096 x 2160 (1.9:1 aspect ratio)
Viewable Image Size (H x V)	697.958 x 368.064 mm
Pixel Pitch	0.1704 x 0.1704 mm
Pixel Density	149 ppi
Grayscale Tones	DisplayPort, HDMI: 1024 tones (a palette of 65,821 tones)
Display Colors	DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion
Viewing Angles (H / V, typical)	178°, 178°
Brightness (typical)	350 cd/m ²
Recommended Brightness for Calibration	120 cd/m ² or less
Contrast Ratio (typical)	1500:1
Response Time (typical)	9 ms (Gray-to-gray)
Wide Gamut Coverage (typical)	Adobe RGB: 99%, DCI-P3: 98%
Input Terminals	DisplayPort (with HDCP ¹), HDMI (with HDCP, Deep Color)
USB Function	1 port for monitor control 3-port USB hub
USB Standard	USB 3.0
Self-Calibration	Yes
Brightness Stabilization	Yes
Digital Uniformity Equalizer	Yes
Preset Modes	Color Mode (Custom, Adobe RGB, sRGB, Rec709, EBU, SMPTE-C, DCI, Calibration)
Dimensions (Landscape, W x H x D)	735 x 434 - 583 x 245 mm ²
Dimensions (Without Stand, W x H x D)	735 x 423 x 65.5 mm
Height Adjustment Range	149 mm
Tilt	35° Up, 5° Down
Swivel	344°
Hole Spacing (VESA Standard)	100 x 100 mm
Supplied Accessories	AC power cord, signal cables (DisplayPort - DisplayPort, Mini DisplayPort - DisplayPort, HDMI - HDMI), USB cable, setup guide, EIZO LCD Utility Disk (ColorNavigator software, PDF user's manual), adjustment certificate, ScreenCleaner, monitor hood, quick reference, warranty card
Warranty	Five Years ³

¹ HDCP 2.2 is not supported.

² Portrait display is not supported.

³ 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).

If the monitor is left on continuously over a long period of time, dark smudges or burn-in may appear. To maximize the life of the monitor, we recommend the monitor be turned off periodically. With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

