

CHOOSE EIZO.
SEE REALITY.
WORK BETTER.





SEE REALITY

The monitors in the EIZO ColorEdge series display nothing but reality. The color management monitors reproduce even the smallest details with a true-to-life appearance and in outstanding quality, thanks to their unique color differentiation and perfectly even brightness. They offer numerous practical functions and professional software that simplify the workflow for creatives.

MADE BY PERFECTIONISTS

EIZO stands for uncompromising quality worldwide. We are always researching and further developing our products and only use the best components in order to guarantee the high quality we are known for. We carry out all of our work steps and conduct strict inspections at our own factory, and every single monitor is factory calibrated. These strict quality control measures allow us to make top-quality products and enable us to offer an exceptionally long warranty period of five years with an on-site exchange service for our ColorEdge models.

FOR PERFECTIONISTS

The EIZO ColorEdge product line was developed specifically to meet the high requirements of creative users who work with photos, films, and graphics. Virtually all models feature an extremely wide gamut covering almost the entire Adobe RGB gamut and provide completely homogeneous tone values across the entire screen.

Furthermore, practical functions and intelligent EIZO software solutions ensure fast and easy calibration.

You will always receive a monitor with excellent image quality, whether you opt for a model from the CS or CG series. And you will receive even more: an overall EIZO package consisting of innovative hardware and software, state-of-the-art technology, and professional support – all from a company with many years of experience.

Read on to learn more about the high color accuracy of the EIZO ColorEdge series and find the model that fulfills your exact requirements.

PHOTOGRAPHY

As a photographer, you dedicate a lot of your time and energy to passionately creating and editing your photographs. You rightly expect your monitor display to accurately correspond to your image files, since this is the only way to simulate the later print results in softproofing mode. In order to produce this complete look, EIZO ColorEdge monitors offer numerous functions and fea-

tures – not found in conventional office monitors or notebooks – that are indispensable for serious photographers. EIZO graphic monitors provide a wide range of features, from an extra wide gamut and homogeneous image display through to fast and precise hardware calibration, forming an integral part of any image processing workflow.



CS series: The professional basis

The CS models offer excellent image quality and extremely precise color differentiation, ensuring that the print results of all of your photographs fully meet your requirements. The CS series offers all photographers a professional basis for achieving reliable image processing results.



CG series: Many additional features

The CG2420 and CG2730 models also offer innovative and high-quality additional features that make image processing easier. The standard light protection shield and high-quality True Black LCD panel ensure excellent display quality and deep color tones while a built-in, automatic sensor regularly calibrates the monitor, making manual calibration unnecessary.



CG-4K series: For the most demanding requirements

The CG318-4K and CG248-4K models are the undisputed champions of the ColorEdge CG series. They have impressively high resolutions of 149 and 185 ppi, respectively, and allow users to get an extremely clear impression of their images on the monitor that very closely reflect the later printouts.



POSTPRODUCTION

All colors and gradations on an EIZO ColorEdge monitor are displayed exactly as they will be seen by viewers. Even when working in large project teams, you can always count on the fact that colors, grayscales, and contrasts will look the same on all monitors.

The CG247X, CG277, CG248-4K, and CG318-4K models are specially designed for use in sophisticated post-production processes for moving images. They offer default settings for standard gamuts such as Rec. 709 and DCI and support a frame rate of 24 frames/second. The illuminated buttons ensure that you can work comfortably, even in a dark studio.

The CG248-4K model features UHD resolution, allowing you to process 4K content with perfectly accurate color displays. Meanwhile, the CG318-4K model even allows you to process DCI-4K video material with a resolution of 4096 × 2160 pixels.



CREATION

Achieving the exact profiling with the proper hardware calibration is absolutely necessary for precise image editing, as well as for an efficient creative workflow. The monitors are automatically set to the adjustment targets, thanks to the built-in calibration sensors in the CG series. This way you can always be sure that the colors and curves are exactly the same on any computer workstation, all without having to worry about making manual changes. This saves you time and money on expensive workflows required to confirm changes and adjust files, particularly when you are exchanging large amounts of data with service providers, colleagues, and clients.

PRINTING

Thanks to their excellent color accuracy, the ColorEdge CG247X and CG277 monitors can serve as a reference for digital templates in the softproofing process. They display the exact colors of the final print so that you are not faced with any unwelcome surprises in the printing process.

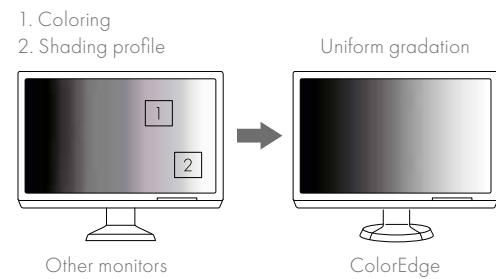
The precise profiling and wide gamut enable you to reproduce standards such as ISO Coated V2. In addition, thanks to the built-in calibration sensors in the CG series you can always be sure that the monitor complies with the set targets. That saves on maintenance work as well as on time and money.



RELIABLE COLOR DISPLAY AND HIGHEST PRECISION

Factory calibration of each individual unit

The tone value curve of each ColorEdge monitor is preconfigured at the factory. The gamma values for red, green, and blue from 0 to 255 are measured using the 16-bit look-up table (LUT) and assigned to the 256 matching hues.



Built-in self-calibration sensor

The monitors from the CG series feature a calibration sensor built into the bezel, which makes an external sensor no longer necessary. The screen and built-in sensor are calibrated to one another very precisely, guaranteeing significantly more accurate measurements than conventional external sensors.



Scheduled self-calibration

Monitors in the CG series feature a calibration sensor built into the housing, which allows you to automate the calibration process. You no longer have to invest time in calibrating your monitor – and you have more time to spend doing the things that matter. The monitor automatically carries out the self-calibration process at the scheduled time, even if it is switched off or not connected to a PC.

EIZO microchip for optimized color display

All ColorEdge models are equipped with a high-quality microchip (ASIC, Application-Specific Integrated Circuit) that EIZO developed particularly for the special requirements involved in work demanding high color accuracy. EIZO ASICs ensure precise, consistent, and lasting color display thanks to their special algorithm.



Correlation with external sensors

The built-in calibration sensors in the CG series can be correlated with the measurement results of an external calibration sensor. After the correlation process, the built-in sensor automatically adjusts the monitor to the proper settings. This is particularly practical if the monitor is being used in an environment with other monitors that do not have built-in sensors and you want to adopt the values of a particular measurement device for all monitors.

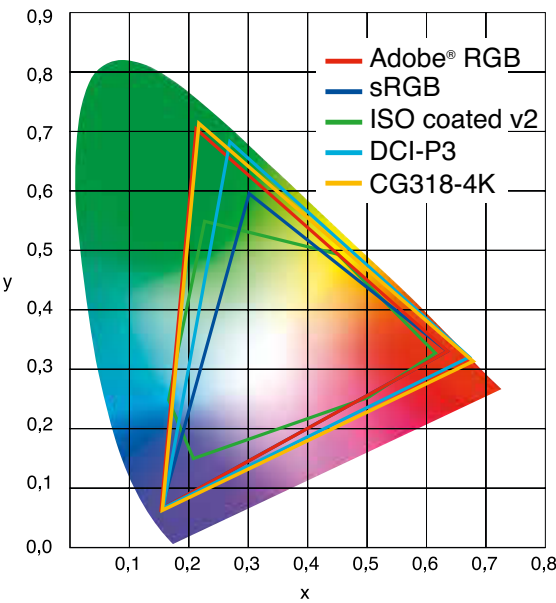
The built-in sensor can be correlated with the characteristics of external sensors.



Wide gamut

The wide gamut of the ColorEdge monitors can be used to reproduce almost the entire AdobeRGB color space so that pictures taken in RAW format can be converted to AdobeRGB and so that images in AdobeRGB format are displayed correctly. Unlike monitors with an sRGB gamut, ColorEdge monitors display photographs with true to life colors – for example, brilliant blue skies and lush green forests. Thanks to the wide gamut, the monitors are able to reproduce almost the entire CMYK gamut (ISO coated and U.S. web coated) used in print applications.

*Does not apply to the CS230 model..



Simultaneous 10-bit display

The monitors are capable of simultaneous 10-bit color display* based on a 16-bit LUT using a DisplayPort or HDMI port. This enables the monitor to display more than one billion colors, or 64 times the number of colors in an 8-bit display. Resulting in finer gradations and a smaller color distance (Delta E) between the current and target hues.

*This requires a graphics board and software that support 10-bit display.

4K resolution

With over 8 million pixels, the monitors of the ColorEdge 4K series display even the smallest details absolutely realistically and in high resolution. The ColorEdge CG248-4K offers a pixel density of 185 ppi with an UHD resolution of 3840×2160 pixels. The CG318-4K monitor with its DCI-4K resolution of 4096×2160 pixels offers a pixel density of 149 ppi. This makes the 4K monitors perfect for professional users working in the fields of photography, image editing, and film and television production.



True Black LCD panel

Normally, dark colors tend to appear extremely pale when you look at a display from the side in a dark room. With the models of the EIZO CG and CX series, dark hues retain their depth because the True Black filter ensures a high contrast ratio, even when you are viewing the monitor from an angle to the side.

STABLE IMAGE DISPLAY

Color that's ready when you are

It can take over 30 minutes for the brightness, color, and tone values to stabilize after you switch on a traditional monitor. EIZO has drastically reduced the warm-up time of the monitors in the CG series. Whether you prefer to check your work at the photo studio or take your monitor with you to another location, it is always ready when you need it.

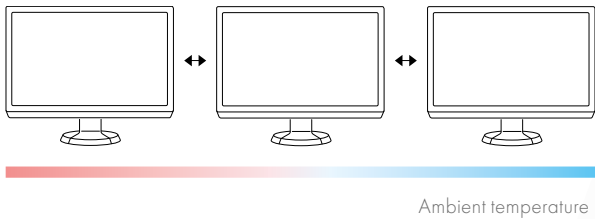
Stable brightness

EIZO's patented sensor recognizes changes in the background lighting and compensates for any loss in brightness over the course of time. This not only ensures that brightness remains stable, it also prevents fluctuations in color temperature caused by reductions in brightness. Another built-in sensor detects changes in the ambient temperature and prevents fluctuations in color and gamma values.

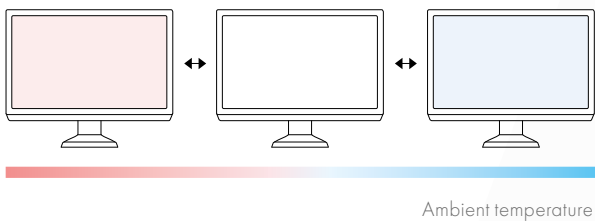
Does not apply to the CS2420 and CS2730 models.

Temperature-related changes in image display

Stable colors with ColorEdge



Inconsistent colors with other monitors



Brightness and color uniformity with DUE

LCD monitors typically show variations in brightness and color across the monitor area. The EIZO ColorEdge monitors combat this problem using the patented DUE technology (DUE = Digital Uniformity Equalizer). This technology ensures that the deviation in color and brightness does not exceed a value of 3 over the entire monitor area with the CG and CX models. In addition, the DUE feature ensures that the image display remains stable by compensating for deviations in color temperature and brightness caused by variations in the ambient temperature.

Change in homogeneity and color temperature



Hardware calibration vs. software calibration

With software calibration, the corrections are made by the graphics board, which can result in losses in tone value. With hardware calibration, there is no loss in tone value because the corrections are made directly in the monitor.

COMFORTABLE AND USER-FRIENDLY

Multiple signal inputs

The monitors are compatible with different types of graphics boards, thanks to the DisplayPort, HDMI, and DVI inputs. The HDMI input offers you the option to connect a digital camera directly, while the USB upstream ports enable the monitor to be connected to two PCs at once, depending on the model. That means it is no longer necessary to switch the USB cable when using the ColorNavigator software or when switching between PCs. You can also connect the mouse and keyboard directly to the monitor and operate both PCs at the same time.

Adjustable stand

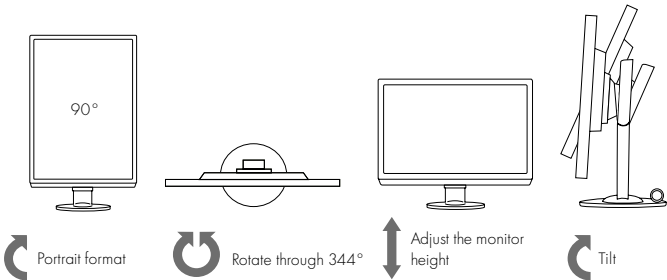
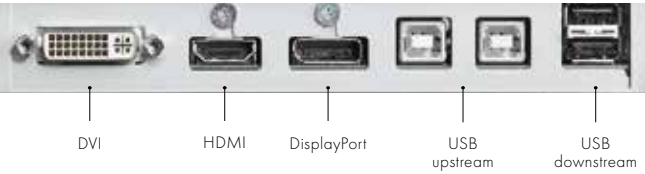
ColorEdge monitors are equipped with a flexible stand that allows you to adjust the height of the monitor, tilt or swivel it, and switch to portrait or landscape format. Adjust the monitor to suit your needs so that you can reduce reflections and prevent neck and back pain. If you want to show something to a colleague or client, you can simply adjust the screen again.

*Does not apply to the CG318-4K model..

Work glare-free thanks to the light protection shield

The EIZO light protection shield protects your monitor from unwanted ambient light, ensuring that the precision of your image display is not affected by ambient light and that you are able to work without glare. Special non-reflective material on the inside of the light protection shield improves your comfort.

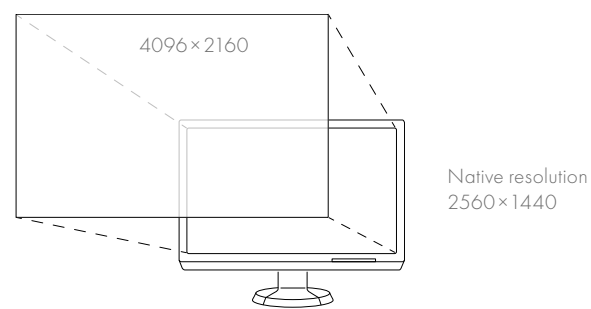
Light protection shields are optional for the CS series models.



ADVANCED PERFORMANCE FOR VIDEO

4K × 2K downscaling

The ColorEdge CG277 monitor supports 4K × 2K resolutions of 4096 × 2160 and 3840 × 2160 with up to 30 frames per second and then scales this video to its native resolution of 2560 × 1440 with the DisplayPort input. This practical feature makes the ColorEdge CG277 the perfect tool for editing the popular 4K × 2K format, which is used for applications such as digital television and digital cinema.



1080/24p playback

Films are normally recorded at 24 frames/second and often appear unnatural on conventional monitors with a frame rate of 60 frames/second. The CG series (except the CG2420 and CG2730 models) supports a frame rate of 24 frames/second, meaning that you can edit the films in the same format in which they were recorded.

Expanded grayscale range

With the ColorEdge models, professional users can take advantage of the entire 10-bit grayscale range of the monitor to reproduce fine details in very dark and very bright areas. If the entire 10-bit grayscale range is activated, these monitors display either 6% or 14% more gray tones from 0 (absolute black) to 1023 (absolute white) than a conventional signal.

LED buttons and on-screen button guide

ColorEdge monitors are ideal for use in poorly lit environments such as post-production studios because these monitors feature backlit buttons and an overview of the functions of the individual buttons on the screen.



Precise color thanks to 3D LUT

The models in the CG series* are equipped with a 3D LUT, which adjusts individual colors using a three-dimensional RGB table. The 3D LUT allows you to emulate the coloring of films using the emulation feature of the ColorNavigator software included with the monitor so that you can view your film just as it will be seen by the audience. The 3D LUT improves the additive color mixing of the monitor (mixing of red, green, and blue), which is a key factor for ensuring that neutral gray tones are displayed correctly.

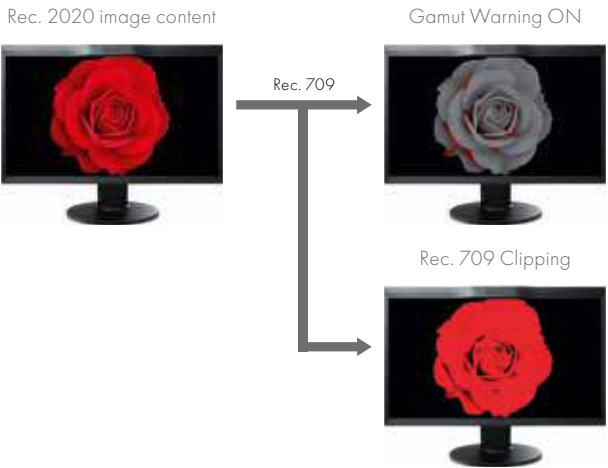
*Except the CG2420 and CG2730 models

Preset color modes

Using a separate button located directly on the monitor, you can quickly access the default color modes, such as AdobeRGB, sRGB, Rec. 709, EBU, SMPTE C and DCI.

Rec. 709 color gamut warning

ColorEdge 4K monitors offer a default setting with a color gamut warning. When this option is selected, the areas of a Rec. 2020 image that cannot be reproduced with Rec. 709 are displayed in grayscale. The additional Rec. 709 Clipping mode allows you to view and edit Rec. 2020 images in the Rec. 709 gamut. This enables you to simulate how viewers would see the image in an HDTV environment.



QUALITY GUARANTEE

5-year warranty



All EIZO products are manufactured in the company's own factories, so that EIZO can monitor the production quality and ensure that the monitors are reliable. That's why EIZO is able to provide a five-year manufacturer's warranty for all components of the ColorEdge monitors, including the LCD panel.

Color and brightness guarantee

EIZO provides a brightness guarantee for a maximum of 10,000 hours of monitor usage time from the date of purchase on all CG series monitors.

The monitors must be used with the recommended maximum brightness of 120 cd/m² and a color temperature of between 5000 K and 6500 K.

Certified color accuracy and outstanding softproofing quality



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

The color accuracy of ColorEdge CG318-4K, CG248-4K, CG277, CG247X, and CG2420 monitors has been certified by TÜV. TÜV Rheinland certification is the most important quality and performance certification for color accuracy and softproofing quality.

OUR COMMITMENT

Active member of the ICC



EIZO is an active member of the International Color Consortium (ICC). The purpose of the ICC is to promote the use and distribution of open, manufacturer-independent, cross-platform color management systems.

PRECISE CALIBRATION WITH COLORNAVIGATOR

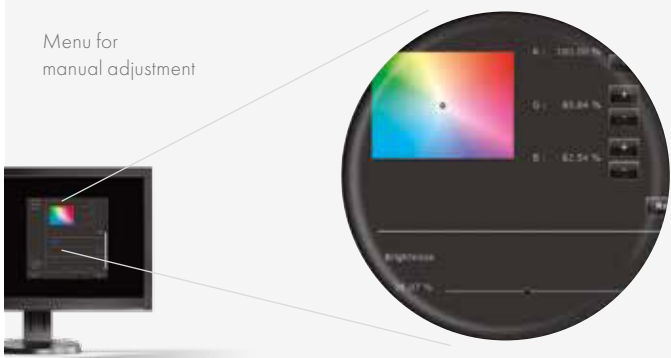
Monitor calibration is fast and easy with ColorNavigator software. It only takes a few minutes to create an ICC profile by entering the target values for brightness, gamma, and white balance.

Calibration using default values or user-defined values

The software offers default target values for photography and print applications. Select your target, click 'Calibrate,' and ColorNavigator 6 begins the calibration process right away. This is particularly practical for beginning users, because they do not have to enter any values on their own. Experienced users, on the other hand, can enter the desired values for brightness, white balance, and gamma, and then begin the calibration process.

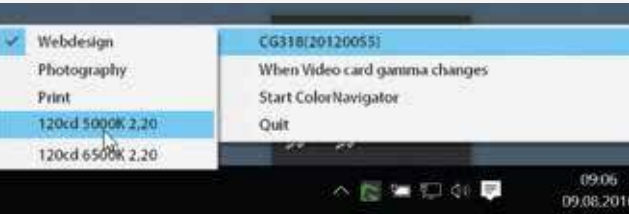
Color adjustments after calibration

Each person has a slightly different perception of color. To adjust the monitor display to your personal settings, you can use ColorNavigator 6 to calibrate the hue and saturation of the six primary and secondary colors (red, green, blue, cyan, magenta, and yellow) as well as the white balance and brightness, black, and gamma values.



Switch profiles at any time

You can switch the target profile even when ColorNavigator 6 is not open. The list of profiles is available at all times. Select the desired profile and the monitor will automatically adjust the settings.



Timer for recalibration

The monitor must be recalibrated at regular intervals to ensure that the color of the monitor remains accurate. ColorNavigator 6 is equipped with a timer that reminds you to recalibrate your monitor at preset intervals.

Import/export adjustment targets

Import and export the target profiles resulting from the calibration process and provide them to other users. This ensures that everyone involved in a collaborative project is working with the same monitor display settings.

Calibrating the monitor to another profile

If you would like to match the colors of multiple monitors in a workflow, you can use ColorNavigator to load the profile of another monitor and calibrate your own monitor.

Validation

ColorNavigator measures the precision of the monitor's color display in order to check the results of the calibration or determine how much the monitor colors have changed since the last calibration. These measurements are used to detect deviations between the current and target values.
The CG247X, CG277, CG248-4K, and CG318-4K models check both RGB and CMYK values. An external calibration sensor is necessary for the CG2420 and CG2730 models as well as for units from the CS series. The CS series only validates RGB values.

Simulation of the color display on other devices

ColorNavigator emulates the color reproduction of devices such as tablets, smartphones, notebooks, and LCD and CRT monitors. The software uses a spectral photometer to read color patches displayed on the device to be emulated via a Web browser and then uses this information to create an ICC profile. With this profile, you can use your ColorEdge monitor to simulate how the colors of the media you create will be displayed on the corresponding devices. This feature is only available with the ColorEdge monitors.



Calibration to a specific paper tone or the brightness of a light booth

ColorNavigator can automatically measure the white tone of the paper used for printing with the help of an external sensor and use that data to set the target values for brightness and white balance. You can also measure the brightness of a light booth* and use this value as a target value for the calibration. This ensures that the brightness of the monitor corresponds to the light booth for color proofing.

*Currently supports JUST Color Communicator 1 and 2.



COLORNAVIGATOR NX AND COLORNAVIGATOR NETWORK

The programs ColorNavigator NX and ColorNavigator Network developed by EIZO allow you to control and adjust the image quality of all of the monitors in your studio or at multiple locations within a network.

ColorNavigator NX

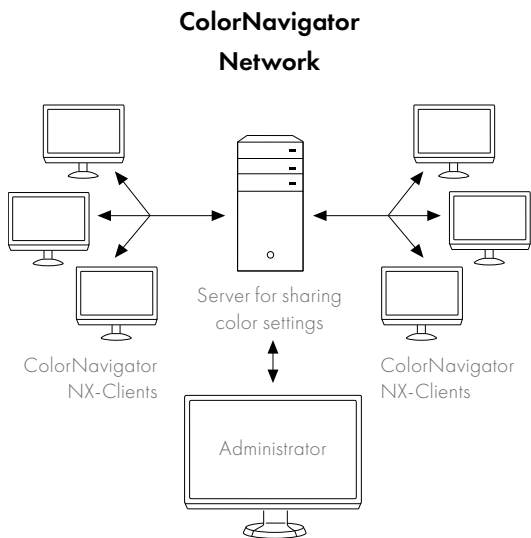
ColorNavigator NX offers features for color and asset management of ColorEdge monitors. The software provides options for calibration, emulation, correlation of the built-in sensor, and adjustment of the color mode.

Save calibration settings directly in the monitor

ColorNavigator NX does not save the calibration settings on a PC, but rather on the monitor itself so that it does not have to be recalibrated when it is connected to another PC

Centralized quality management with ColorNavigator Network

With ColorNavigator NX installed on all computers, administrators can use the ColorNavigator Network software to automate the calibration tasks for ColorEdge monitors throughout the entire team and at multiple different locations. These tasks include self-calibration, setting the color mode, activating the button lock to prevent unintentional changes to the color settings (CG series), registering or changing the settings for asset management, and importing or exporting monitor settings.



Stress-free webhosting

ColorNavigator Network is hosted on a secure cloud server, eliminating the procurement and operating costs associated with maintaining your own server.



Film emulation with 3D LUT

ColorNavigator NX can use the 3D LUT files from the color grading of films to create data for emulation on the monitor. This film emulation is available for up to five color modes on the monitor and is designed to simulate the coloring of films.

Available for the CG247X, CG277, and 4K models only..

Compatibility with different platforms

ColorNavigator Network and NX are compatible with Windows, Apple, and Linux. EIZO also offers the software program NetAgent for Linux installations in which the monitors are controlled solely by the administrator. This program can be used in place of ColorNavigator NX, thereby making it easier to communicate with the server.

You can download ColorNavigator NX from our website. ColorNavigator Network is available from EIZO Support.



CONVENIENT COLOR MANAGEMENT QUICK COLOR MATCH

The new Quick Color Match software greatly simplifies the color management steps you need to go through when you are printing out images at home. You can automatically make the necessary adjustments to your monitor, software, and print settings by dragging and dropping in Quick Color Match.

All you need to do is select the paper. Quick Color Match automatically makes the necessary adjustments to the color management settings, allowing you to quickly and easily match the monitor display and printout with each other with just a few mouse clicks.



Color management via Quick Color Match

Monitor settings

Quick Color Match automatically regulates white balance, brightness, gamma, and gamut (Adobe RGB), and creates a profile for these settings.

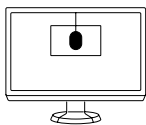
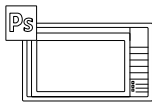


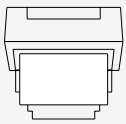
Image editing software settings

As soon as you drag and drop your photo into the Quick Color Match menu, an image editing program will load and activate the softproofing view for the connected printer and paper to be used.



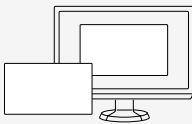
Printer settings

Quick Color Match transfers the photo to the Epson Print Layout print plug-in or Canon Print Studio Pro and selects the color settings suggested by EIZO.



Color matching

Quick Color Match allows you to quickly and easily match the monitor display and printout with each other without dealing with all of the details of color management.



Recommended Monitors for Quick Color Match:



CS2730



CS2420

You can find a list of all supported monitors, printers and software under: eizo.com

ColorNavigator or Quick Color Match?

ColorNavigator is a professional tool for adjusting monitor settings and offers numerous adjustments for ColorEdge monitors. ColorNavigator allows you to make complex adjustments and is easy to use, even for beginners.

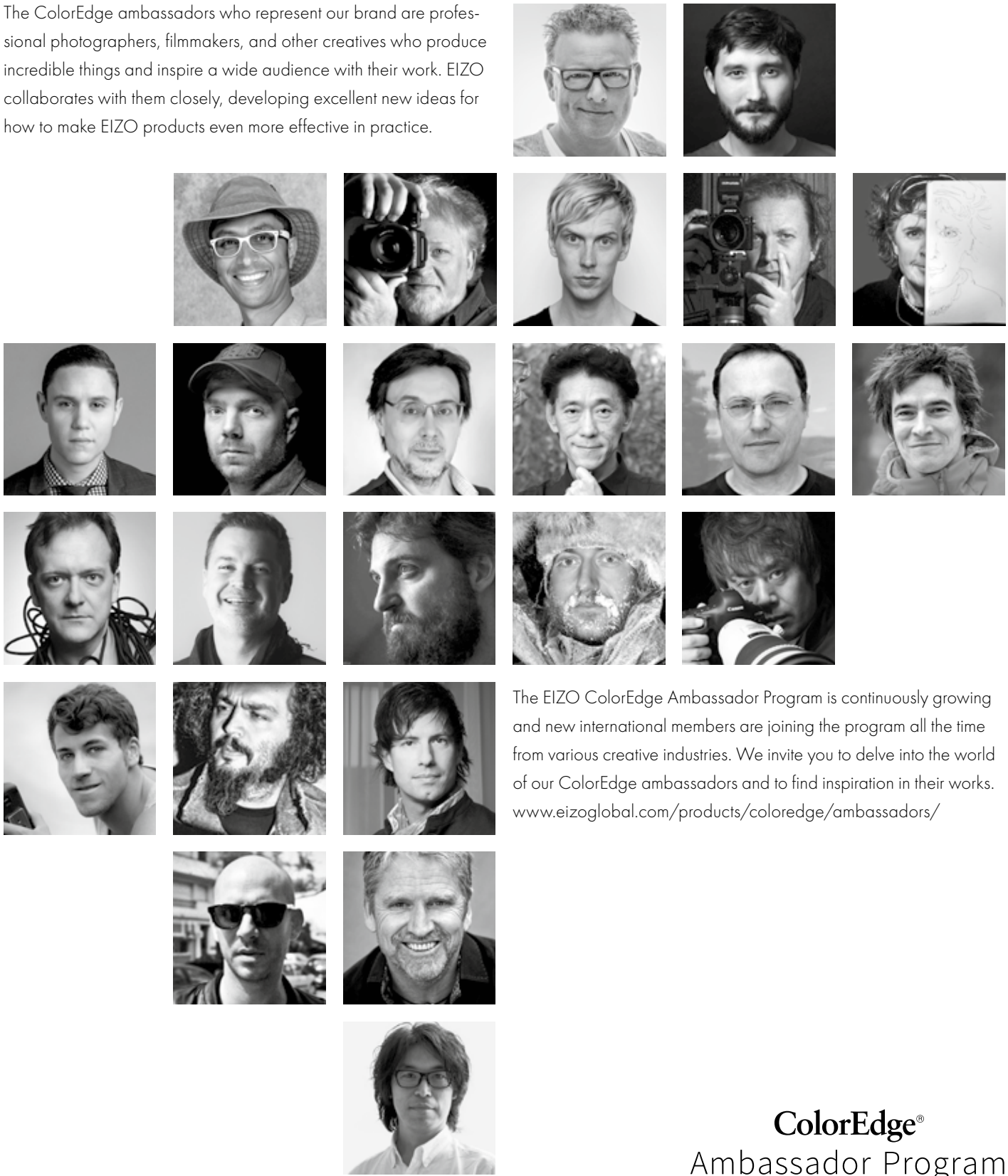
Quick Color Match makes all of the necessary adjustments to the color management settings in the image editing workflow when users are printing at home. It allows users – including the ones who are relatively new to color management – to quickly and easily match the monitor display and printout with each other.

COMPARISON OF FEATURES

					
		CG318-4K, CG248-4K	CG247X, CG277	CG2730, CG2420	CS2730, CS2420, CS230
Reliable color display	Built-in self-calibration sensor	●	●	●	
	Calibration mode of the built-in sensor	Gray balance and contrast	Gray balance and contrast	Contrast	
	Custom factory calibration	●	●	●	●
	ColorNavigator 6	●	●	●	●
	Support for ColorNavigator NX	●	●	●	
	Support for ColorNavigator Network	●	●	●	
	True Black LCD-Panel	●	●	●	
	Wide gamut, except for CS230	●	●	●	●
	Simultaneous 10-bit display	●	●	●	●
	4K resolution	●			
Uniform image display	Color reproduction stabilizes more quickly	●	●	●	
	Brightness and color uniformity	●	●	●	●
Comfortable and user-friendly	Backlit buttons	●	●	●	●
	Light protection shield included in delivery	●	●	●	
Postproduction	3D look-up table (LUT)	●	●		
	4K×2K resolution downscaling		○ only CG277		
	Expanded grayscale range	●	●	●	●

THE COLOREDGE AMBASSADOR PROGRAM

The ColorEdge ambassadors who represent our brand are professional photographers, filmmakers, and other creatives who produce incredible things and inspire a wide audience with their work. EIZO collaborates with them closely, developing excellent new ideas for how to make EIZO products even more effective in practice.



The EIZO ColorEdge Ambassador Program is continuously growing and new international members are joining the program all the time from various creative industries. We invite you to delve into the world of our ColorEdge ambassadors and to find inspiration in their works. www.eizoglobal.com/products/coloredge/ambassadors/

ColorEdge®
Ambassador Program

TECHNICAL SPECIFICATIONS



CG318-4K				CG248-4K			
Display	Type	IPS		IPS			
	Size	31.1"/79 cm (diagonal 789 mm)		23.8"/60 cm (diagonal 604 mm)			
	Native resolution	4096×2160 (aspect ratio 1.9:1), 149 ppi		3840×2160 (aspect ratio 16:9), 185 ppi			
	Display area (H×V)	698×368.1 mm		527×296.5 mm			
	Pixel pitch	0.1704×0.1704 mm		0.1373×0.1373 mm			
	Pixel Density	149 ppi		185 ppi			
	Gray tones	DisplayPort, HDMI: 1024 from a palette of 65,281 tones		DisplayPort, HDMI: 1024 from a palette of 65,281 tones			
	Monitor gamut	DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colors (16 bit)		DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colors (16 bit)			
	Viewing angle (h, v, typical)	178°, 178°		178°, 178°			
	Brightness (typical)	350 cd/m²		350 cd/m²			
	Recommended brightness for calibration	≤ 120 cd/m²		≤ 120 cd/m²			
	Contrast ratio (typical)	1500:1		1000:1			
	True Black	◆		◆			
	Reaction time (typical)	9 ms (gray-to-gray)		14 ms (gray-to-gray)			
Video signals	Color range (typical)	AdobeRGB 99%, DCI-P3: 98%		AdobeRGB 99%, DCI-P3: 93%			
	Inputs	DisplayPort ×2 (with HDCP Ver.1.x), HDMI ×2 (with HDCP Ver.1.x, Deep Color)		DisplayPort ×2 (with HDCP Ver.1.x), HDMI ×2 (with HDCP Ver.1.x, Deep Color)			
	Digital scanning frequency (h, v)	DisplayPort: 24.5–137.5 kHz/22.5–71.5 Hz HDMI: 14.5–135.5 kHz/22.5–71.5 Hz		DisplayPort: 24.5–137.5 kHz/22.5–71.5 Hz HDMI: 14.5–135.5 kHz/22.5–71.5 Hz			
	Analog scanning frequency (h, v)	–		–			
USB	Function	1 upstream 3 downstream, 1 of which has charging function		1 upstream 3 downstream, 1 of which has charging function			
	Standard	USB 3.0		USB 3.0			
	Power requirement	AC 100–240 V, 50/60 Hz		AC 100–240 V, 50/60 Hz			
Power supply	Max. energy consumption/typical energy consumption/ power save mode/standby mode	140 W/54 W/≤ 9 W/≤ 9 W		136 W/52 W/≤ 9 W/≤ 9 W			
	Energy efficiency category	B		D			
	Annual energy consumption	76 kWh		80 kWh			
	Power management	Power save mode (DisplayPort Rev. 1.2)		Power save mode (DisplayPort Rev. 1.2)			
Self-calibration		◆		◆			
Self-correction		–		–			
Light protection shield		◆		◆			
Features and functions	Hardware calibration/3D look-up table	◆/◆		◆/◆			
	Brightness stabilization	◆		◆			
	Digital Uniformity Equalizer	◆		◆			
	Pre-set modes	Color mode (Custom, AdobeRGB, sRGB, Rec. 709, EBU, SMPTE-C, DCI, Rec. 2020, Calibration)		Color mode (Custom, AdobeRGB, sRGB, Rec. 709, EBU, SMPTE-C, DCI, Rec. 2020, Calibration)			
	Auto EcoView	–		–			
	Support for ColorNavigator NX and ColorNavigator Network	◆		◆			
	Manual control of gamma and CMYRGB	◆		◆			
	Color temperature setting	◆		◆			
	LUT system with post-LUT and factory-calibrated pre-LUT	◆		◆			
	Gamut clipping	◆		◆			
	DUE priority	◆		◆			
	Safe area marker (HDMI)	◆		◆			
	I/P conversion, pseudo-interface (HDMI)	◆		◆			
	Signal range extension (HDMI)	◆		◆			
	Noise reduction (HDMI)	◆		◆			
	Support for YUV signal (DisplayPort and HDMI input)	◆		◆			
	3D LUT film emulation (support for 10-bit log)	◆		◆			
	4K signals via DisplayPort with downscaling to 2560x1440 pixels	–		–			
	Button guide	◆		◆			
	Power manager and Off timer	◆		◆			
	Operating in portrait and landscape format/adjusting the monitor height	–/◆		◆/◆			
	Inventory data readable (VESA EDID v2.x)	◆		◆			
Dimensions and weight	Dimensions (W×H×D, landscape format)/net weight	735×434–583×245 mm/11.3 kg		553×394–544×245 mm/8.5 kg			
	Adjustment range for monitor height	149 mm		150 mm			
	Tilt/swivel/rotation angles	35° up, 5° down/344°/–		35° up, 5° down/344°/90°			
	Calibration (VESA standard)	100×100 mm		100×100 mm			
Certifications and standards (Current information is available from the companies and distributions partners of the EIZO Group in your country)		Softproof-Monitor FagraCert, CB, TÜV-GS, CE, cTÜVus, FCC-B, ICES-003-B (Canada), VCCI-B, TÜV-Ergonomie (ergonomics), c-Tick, GOST-R, RoHS, WEEE		Softproof-Monitor FagraCert, CB, TÜV-GS, CE, cTÜVus, FCC-B, ICES-003-B (Canada), VCCI-B, TÜV-Ergonomie (ergonomics), c-Tick, GOST-R, RoHS, WEEE			
Accessories included		Power cord, signal cable [DisplayPort – DisplayPort, DisplayPort – mini DisplayPort, HDMI-HDMI], USB cable, Setup Guide, EIZO LCD Utility Disk (ColorNavigator software, PDF operating instructions), calibration certification, cleaning set, light protection shield		Power cord, signal cable [DisplayPort – DisplayPort, DisplayPort – mini DisplayPort], USB cable, Setup Guide, EIZO LCD Utility Disk (ColorNavigator software, PDF operating instructions), calibration certification, cleaning set, light protection shield			
Quality guarantee	6-month zero pixel error guarantee ¹	◆		◆			
	Color and brightness guarantee ²	◆		◆			
	On-site replacement service ³	Five years		Five years			

¹The zero pixel error guarantee applies to fully illuminated sub-pixels (partial image elements ISO 9241-307) six months following purchase date.

²Brightness guarantee up to 10,000 hours of monitor usage time from the date of purchase with the recommended maximum brightness of 120 cd/m² and a color temperature of between 5000 and 6500 K.

³Maximum of 30,000 hours of monitor usage time from the date of purchase.



CG277		CG247X		CG2730		CG2420	
IPS		IPS		IPS		IPS	
27"/68 cm (diagonal 684 mm)		24.1"/61 cm (diagonal 611 mm)		27"/68.5 cm (diagonal 684 mm)		24.1"/61 cm (diagonal 611 mm)	
2560 × 1440 (aspect ratio 16:9)		1920 × 1200 (aspect ratio 16:10)		2560 × 1440 (16:9 aspect ratio)		1920 × 1200 (16:10 aspect ratio)	
596.7 × 335.6 mm		518.4 × 324 mm		596.7 × 335.6 mm		518.4 × 324 mm	
0.2331 × 0.2331 mm		0.270 × 0.270 mm		0.233 × 0.233 mm		0.270 × 0.270 mm	
109 ppi		94 ppi		109 ppi		94 ppi	
DisplayPort, HDMI: 1024 from a palette of 65,281 tones; DVI: 256 from a palette of 65,281 tones		DisplayPort, HDMI: 1024 from a palette of 65,281 tones; DVI: 256 from a palette of 65,281 tones		DisplayPort, HDMI: 1024 tones (a palette of 65 thousand) DVI: 256 tones (a palette of 65 thousand)		DisplayPort, HDMI: 1024 tones (a palette of 65 thousand) DVI: 256 tones (a palette of 65 thousand)	
DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colors (16 bit)		DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colors (16 bit)		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)	
DVI: 16.77 million from a palette of 278 trillion colors (16 bit)		DVI: 16.77 million from a palette of 278 trillion colors (16 bit)					
178°, 178°		178°, 178°		178°, 178°		178°, 178°	
300 cd/m²		400 cd/m²		350 cd/m²		400 cd/m²	
≤ 120 cd/m²		≤ 120 cd/m²		≤ 120 cd/m²		≤ 120 cd/m²	
1000:1		1500:1		1500:1		1500:1	
◆		◆		◆		◆	
6 ms (gray-to-gray)		10 ms (gray-to-gray)		13 ms (gray-to-gray)		10 ms (gray-to-gray)	
AdobeRGB 99%, DCI-P3: 93%		AdobeRGB 99%, DCI-P3: 98%		AdobeRGB 99%, DCI-P3: 98%		AdobeRGB 99%, DCI-P3: 98%	
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-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)	
DisplayPort, DVI: 26–89 kHz, 23.75–63 Hz (VGA Text: 69–71 Hz)		DisplayPort, DVI: 26–78 kHz, 23.75–63 Hz (VGA-Text: 69–71 Hz)		DisplayPort, DVI: 26–89 kHz, 23–61 Hz (VGA Text: 69–71 Hz)		DisplayPort, DVI: 26–78 kHz, 24–61 Hz (VGA Text: 69–71 Hz)	
HDMI: 15–78 kHz, 23.75–61 Hz		HDMI: 15–78 kHz, 24–61 Hz (VGA-Text: 69–71 Hz)		HDMI: 15–89 kHz, 23–61 Hz		HDMI: 15–78 kHz, 24–61 Hz (VGA Text: 69–71 Hz)	
–		–		–		–	
2 upstream		2 upstream		2 upstream		1 upstream	
2 downstream		2 downstream		3 downstream		3 downstream	
USB 2.0		USB 2.0		USB 3.0		USB 3.0	
AC 100–120 V/AC 200–240 V, 50/60 Hz		AC 100–120 V/AC 200–240 V, 50/60 Hz		AC 100–240 V, 50/60 Hz		AC 100–240 V, 50/60 Hz	
99 W/43 W/≤ 0.7 W/≤ 0.5 W		60 W/22 W/≤ 0.7 W/≤ 0.5 W		95 W/33 W/≤ 0.6 W/≤ 0.6 W		79 W/20 W/≤ 0.7 W/≤ 0.6 W	
C		A		B		A	
34 kWh		34 kWh		55 kWh		33 kWh	
Power save mode (DisplayPort Version 1.1a and DVI-DMPM)		Power save mode (DisplayPort Version 1.1a and DVI-DMPM)		Power save mode (DisplayPort Version 1.1a and DVI-DMPM)		Power save mode (DisplayPort Version 1.1a and DVI-DMPM)	
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◆		◆		◆		◆	
◆◆		◆◆		◆/–		◆/–	
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Color mode (Custom, AdobeRGB, sRGB, Rec. 709, EBU, SMPTE-C, DCI, Calibration)		Color mode (Custom, AdobeRGB, sRGB, Rec. 709, EBU, SMPTE-C, DCI, Calibration)		Color Mode (Custom, Adobe RGB, sRGB, Calibration)		Color Mode (Custom, Adobe RGB, sRGB, Calibration)	
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TECHNICAL SPECIFICATIONS

		CS2730	CS2420
Display	Type	IPS	IPS
	Size	27"/68.5 cm (diagonal 684 mm)	24.1"/61 cm (diagonal 611 mm)
	Native resolution	2560×1440 (16:9 aspect ratio)	1920×1200 (16:10 aspect ratio)
	Display area (H×V)	596.7×335.6 mm	518.4×324 mm
	Pixel pitch	0.233×0.233 mm	0.270×0.270 mm
	Pixel Density	109 dpi	94 dpi
	Gray tones	DisplayPort, HDMI: 1024 tones (a palette of 65 thousand) DVI: 256 tones (a palette of 65 thousand)	DisplayPort, HDMI: 1024 tones (a palette of 65 thousand) DVI: 256 tones (a palette of 65 thousand)
	Monitor gamut	DisplayPort: 1.07 billion from a palette of 278 trillion colors (16 bit); DVI, HDMI: 16.77 million from a palette of 278 trillion colors (16 bit)	DisplayPort: 1.07 billion from a palette of 278 trillion colors (16 bit); DVI, HDMI: 16.77 million from a palette of 278 trillion colors (16 bit)
	Viewing angle (h, v, typical)	178°, 178°	178°, 178°
	Brightness (typical)	350 cd/m²	350 cd/m²
	Recommended brightness for calibration	≤ 120 cd/m²	≤ 120 cd/m²
	Contrast ratio (typical)	1000:1	1000:1
	True Black	–	–
	Reaction time (typical)	10 ms (gray-to-gray)	15 ms (gray-to-gray)
	Color range (typical)	AdobeRGB 99%	AdobeRGB 99%
Video signals	Inputs	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)
	Digital scanning frequency (h, v)	DisplayPort, DVI: 26–89 kHz, 23–61 Hz (VGA Text: 69–71 Hz) HDMI: 15–89 kHz, 23–61 Hz	DisplayPort, DVI: 26–78 kHz, 24–61 Hz (VGA Text: 69–71 Hz) HDMI: 15–78 kHz, 24–61 Hz (VGA Text: 69–71 Hz)
	Analog scanning frequency (h, v)	–	–
USB	Function	2 upstream 3 downstream USB 3.0	1 upstream 3 downstream USB 3.0
	Standard	USB 3.0	USB 3.0
Power supply	Power requirement	AC 100–240 V, 50/60 Hz	AC 100–240 V, 50/60 Hz
	Max. energy consumption/typical energy consumption/power save mode/standby mode	110 W/44 W/≤ 0.6 W/≤ 0.6 W	92 W/26 W/≤ 0.7 W/≤ 0.6 W
	Energy efficiency category	C	B
	Annual energy consumption	63 kWh	41 kWh
	Power management	Power Save (DisplayPort Version 1.1 a, DVI DMPM)	Power Save (VESA DPM, DisplayPort Version 1.1 a, DVI DMPM)
Self-calibration		–	–
Self-correction		–	–
Light protection shield		◆	◆
Features and functions	Hardware calibration / 3D look-up table	◆/–	◆/–
	Brightness stabilization	–	–
	Digital Uniformity Equalizer	◆	◆
	Pre-set modes	Color Mode (Custom, Adobe RGB, sRGB, Calibration)	Color Mode (Custom, Adobe RGB, sRGB, Calibration)
	Auto EcoView	–	–
	Support for ColorNavigator NX and ColorNavigator Network	–	–
	Manual control of gamma and CMYRGB	◆	◆
	Color temperature setting	◆	◆
	LUT system with post-LUT and factory-calibrated pre-LUT	◆	◆
	Gamut clipping	◆	◆
	DUE priority	◆	◆
	Safe area marker (HDMI)	–	–
	I/P conversion, pseudo-interface (HDMI)	–	–
	Signal range extension (HDMI)	◆	◆
	Noise reduction (HDMI)	◆	◆
	Support for YUV signal (DisplayPort and HDMI input)	◆	◆
	3D LUT film emulation (support for 10-bit log)	–	–
	4K signals via DisplayPort with downscaling to 2560x1440 pixels	–	–
	Button guide	◆	◆
	Power manager and OFF timer	◆	◆
	Operating in portrait and landscape format/adjusting the monitor height	◆/◆	◆/◆
	Inventory data readable (VESA EDID v2.x)	◆	◆
Dimensions and weight	Dimensions (W×H×D, landscape format)/net weight	638×404.1–559.1×245 mm/8.9 kg	554.4×396–551×245 mm/8.7 kg
	Adjustment range for monitor height	155 mm	155 mm
	Tilt/swivel/rotation angles	35° up, 5° down/344°/90°	35° up, 5° down/344°/90°
	Calibration (VESA standard)	100×100 mm	100×100 mm
Certifications and standards (Current information is available from the companies and distributions partners of the EIZO Group in your country)		CB, CE, TÜV/GS, cTÜVus, FCC-B, Canadian ICES-003-B, VCCI-B, TÜV/Ergonomics, RCM, RoHS, WEEE, EAC	CB, CE, TÜV/GS, cTÜVus, FCC-B, Canadian ICES-003-B, VCCI-B, TÜV/Ergonomics, RCM, RoHS, WEEE, EAC
Accessories included		Power cord, signal cable (DVI-D – DVI-D, Mini DisplayPort – DisplayPort), USB cable, Setup Guide, EIZO LCD Utility Disk (ColorNavigator software, PDF operating instructions)	Power cord, signal cable (DVI-D – DVI-D, Mini DisplayPort – DisplayPort), USB cable, Setup Guide, EIZO LCD Utility Disk (ColorNavigator software, PDF operating instructions)
Quality guarantee	6-month zero pixel error guarantee ¹	◆	◆
	Color and brightness guarantee ²	–	–
	On-site replacement service ³	Five years	Five years

¹The zero pixel error guarantee applies to fully illuminated sub-pixels (partial image elements ISO 9241-307) six months following purchase date.

²Brightness guarantee up to 10,000 hours of monitor usage time from the date of purchase with the recommended maximum brightness of 120 cd/m² and a color temperature of between 5000 and 6500 K.

³Maximum of 30,000 hours of monitor usage time from the date of purchase

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		CS230
	Type	IPS
	Size	23"/58 cm (diagonal 584 mm)
	Native resolution	1920×1080 (aspect ratio 16:9)
	Display area (H×V)	509.2×286.4 mm
	Pixel pitch	0.2652×0.2652 mm
	Pixel Density	96 ppi
	Gray tones	DisplayPort: 1024 from a palette of 65,281 tones; DVI, HDMI: 256 from a palette of 65,281 tones
	Monitor gamut	DisplayPort: 1.07 billion from a palette of 278 trillion colors (16 bit); DVI, HDMI: 16.77 million from a palette of 278 trillion colors (16 bit)
	Viewing angle (h, v, typical)	178°, 178°
	Brightness (typical)	300 cd/m²
	Recommended brightness for calibration	≤ 120 cd/m²
	Contrast ratio (typical)	1000:1
	True Black	–
	Reaction time (typical)	10.5 ms (gray-to-gray)
	Color range (typical)	–
Video signals	Inputs	DVI-I, 29-pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP)
	Digital scanning frequency (h, v)	DisplayPort, DVI: 26–68 kHz, 23.75–63 Hz (VGA Text: 69–71 Hz) HDMI: 15–68 kHz, 23.75–61 Hz
	Analog scanning frequency (h, v)	26–78 kHz, 47.5–61 Hz
USB	Function	2 upstream 2 downstream USB 2.0
	Standard	USB 2.0
Power supply	Power requirement	AC 100–120 V/200–240 V, 50/60 Hz
	Max. energy consumption/typical energy consumption/power save mode/standby mode	54 W/21 W/≤ 0.5 W/≤ 0.5 W
	Energy efficiency category	C
	Annual energy consumption	53 kWh
	Power management	Power save mode (VESA-DPM, DisplayPort Version 1.1 a and DVI-DMPM)
Features and functions	Hardware calibration / 3D look-up table	–
	Brightness stabilization	–
	Digital Uniformity Equalizer	–
	Pre-set modes	–
	Auto EcoView	–
	Support for ColorNavigator NX and ColorNavigator Network	–
	Manual control of gamma and CMYRGB	–
	Color temperature setting	–
	LUT system with post-LUT and factory-calibrated pre-LUT	–
	Gamut clipping	–
	DUE priority	–
	Safe area marker (HDMI)	–
	I/P conversion, pseudo-interface (HDMI)	–
	Signal range extension (HDMI)	–
	Noise reduction (HDMI)	–
	Support for YUV signal (DisplayPort and HDMI input)	–
	3D LUT film emulation (support for 10-bit log)	–
	4K signals via DisplayPort with downscaling to 2560x1440 pixels	–
	Button guide	–
	Power manager and OFF timer	–
	Operating in portrait and landscape format/adjusting the monitor height	–
	Inventory data readable (VESA EDID v2.x)	–
Dimensions and weight	Dimensions (W×H×D, landscape format)/net weight	544×372.5–526.5×245.5 mm/7.5 kg
	Adjustment range for monitor height	154 mm
	Tilt/swivel/rotation angles	30° up, 0° down/344°/90°
	Calibration (VESA standard)	100×100 mm
Certifications and standards (Current information is available from the companies and distributions partners of the EIZO Group in your country)		CUDO certification, TCO Displays 5.2, TÜV/S, TÜV-Ergonomie (ergonomics), TÜV-GS, cTÜVus, CE, c-Tick, CB, VCCI-B, FCC-B, ICES-003-B (Canada), RoHS, WEEE, EAC
Accessories included		Power cord, signal cable (DVI-D – DVI-D), USB cable, Setup Guide, EIZO LCD Utility Disk (ColorNavigator software, PDF operating instructions)
Quality guarantee	6-month zero pixel error guarantee ¹	◆
	Color and brightness guarantee ²	–
	On-site replacement service ³	Five years

◆ Standard, ◇ optional



CH6 light protection shield
Supported model: CS230



CH2400 light protection shield
Supported model: CS2420
The CH2400 CH5 is included with the CG248-4K and CG2420 models.



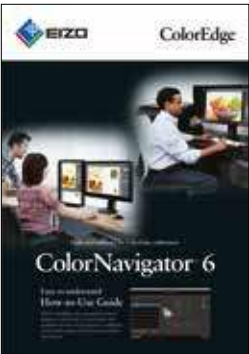
EX3 calibration device
Calibrate the monitors of the CS series to the perfect settings using this external calibration device.



RadilLight
Comfort Light for ColorEdge screens – perfect for working with Creative Suite applications and at dimly lit image processing workstations.
Supported models:
CG318-4K, CG248-4K, CG277, CG247X, CG247

Creative training

Our website offers plenty of useful information on the subject of color management to help you improve your digital photos and your digital workflow.



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