ColorEdge **CS2731**

Product Website

The ColorEdge CS2731 unites precision, colour fidelity and cutting-edge connectivity. Convenient functionalities such as monitor signal transmission, rapid data transfer and the power supply feature for connected notebooks or tablets are enabled with just one USB-C cable. This makes the monitor the central dock for any graphic workflow. As an integral component of the digital creation process, the CS2731 supports creatives like photographers, filmmakers and designers. The wide gamut (99% Adobe RGB), 16-bit look-up-table and precise factory calibration of the hardware-compatible graphics monitor allows you to get an unadulterated look at your image files. The Digital Uniformity Equalizer ensures a uniform image display via the entire display surface and makes the CS2731 the ideal monitor for sophisticated creatives with high standards.

- 27-inch wide gamut LCD with 2560 x 1440 pixels (WQHD) to deliver ultra-sharp details
- EIZO microchip ensures precise, consistent and lasting colour display
- Wide gamut covering 99% of the Adobe RGB colour gamut
- Precise hardware calibration of brightness, white balance and gamma
- Digital Uniformity Equalizer for top-rate luminance distribution and colour purity
- Colour precision ensured via 16-bit look-up-table and up to 10-bit colour reproduction
- USB-C (DisplayPort signal channel and power supply up to 60 W), DisplayPort, DVI-D and HDMI ports
- USB hub with two 5Gbps (USB 3) and two USB 2 downstream ports
- ColorNavigator calibration software available for free download
- Recommended optional accessories: measuring device for hardware calibration and monitor hood
- 5-year warranty for highest investment security

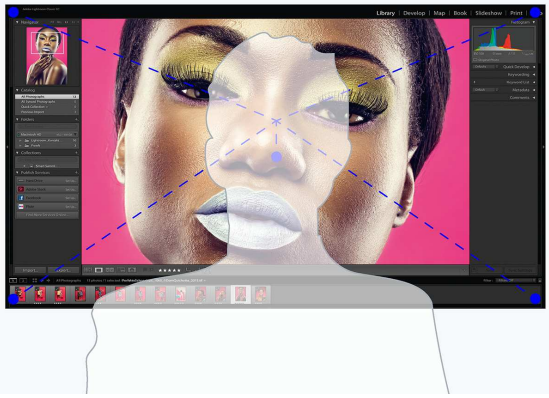
Precision and color accuracy

High-contrast, bright and crisp screen

REALISTIC IMAGE DISPLAY

Outstanding image quality

The monitor has an impressive top resolution (2560 x 1440), a very good contrast ratio of 1000:1 and a brightness of 350 cd/m^2. For example, you can edit graphics and images down to the pixel. As an added benefit, text contours are clear and precise. The LCD panel with the IPS (Wide Gamut) panel allows for a viewing angle of 178 degrees. Ensuring that hue and contrast remain stable for the viewer.



FOR SATURATED COLORS

Wide gamut color space

To be able to use the entire colour spectrum of modern cameras, you need a monitor with the largest possible colour space. Only then is it possible to visually assess and edit the saturated hues contained in the file. That is why the IPS panel of the ColorEdge CS2731 covers, for example, the wide AdobeRGB photo gamut as well as the CMYK print gamut ISO-Coated V2 to more than 99 %. This means that the full colour spectrum of modern cameras is represented unaltered and without gaps. And a precise simulation of the print result in the softproof view is also guaranteed.

Read here why an AdobeRGB monitor is essential for professional graphics work.

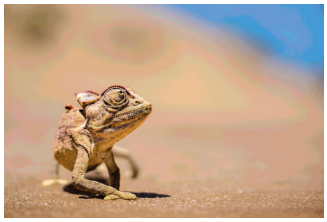
SMOOTH TRANSITIONS AND GRADIENTS

16-bit LUT and 10-bit mode

The LUT (look-up-table) on the CS2731 employs internal calculations with 16 bits for an extremely high colour depth and outputs the signals with up to 10 bits. This provides billions of hues for calculating the precise monitor display, effectively preventing display errors caused by the monitor such as banding or clipping, which can result in tonal breaks in gradients or unnecessary colours in greyscale. Even fine nuances and structures in dark or highly saturated areas of the image can be displayed in a differentiated and detailed manner.

10 bit (LUT: 16 bit)

8 bit (LUT: 16 bit)



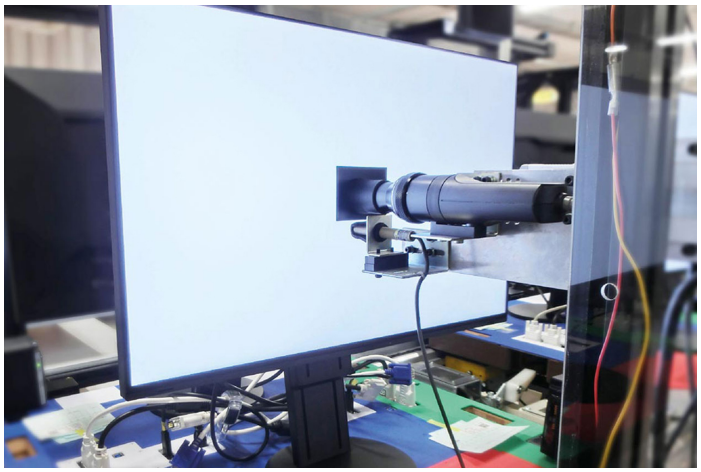
8 bit (LUT: 8 bit)

READY TO USE RIGHT OUT OF THE BOX

Perfect settings right from the factory

Every ColorEdge CS2731 is individually measured and optimally configured in the factory, enabling it to be used immediately after it has been unboxed. To this end, the gamma curves for the red, green and blue channels are closely checked and corrected, if necessary. This unique EIZO factory calibration enables the user to start using the monitor with the preset gamut range right out of the box. This painstaking calibration at the factory ensures that the user can quickly recalibrate the monitor if needed using ColorNavigator.

Read all about monitor calibration here.



HOMOGENEOUS IMAGE DISPLAY

Digital Uniformity Equalizer

Each individual monitor panel is precisely measured over the entire surface at the EIZO factory. Any inhomogeneities in brightness and unnecessary colour are detected and removed. This process (Digital Uniformity Equalizer) guarantees that identical colours always look the same across the entire surface of the monitor, no matter where they are displayed. Only in this way is precise image processing and retouching possible.

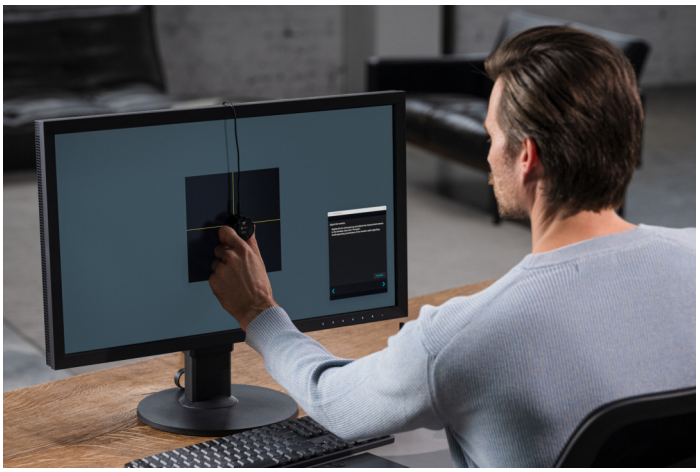
With DUE

Without DUE

FAST, EASY AND LOSSLESS

Hardware calibration without any compromises

It is essential that the monitor is regularly calibrated to ensure that it always displays the same file in the same way over its entire service life. To do so, all ColorEdge monitors employ lossless hardware calibration. Unlike software calibration, which always involves the risk of loss of display quality, hardware calibration not only creates an adjustment profile for the graphics board but also calibrates the monitor's LUT (look-up-table).

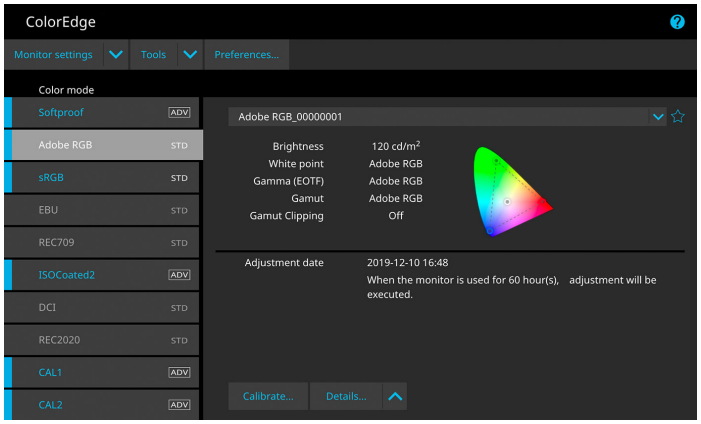


COLORNAVIGATOR

EIZO software for fast calibration and printing

Each monitor ages and changes its display properties. This is why graphics monitors, which require an absolutely constant image display over the entire service life, must be regularly calibrated and adjusted. With the free calibration software ColorNavigator from EIZO, the ColorEdge CS2731 can be adjusted within 90 seconds (measured with a MacBook Pro and EX5), easily and without any losses. This is to ensure that the same image still looks the same on the monitor five years from now.
More information on the EIZO ColorNavigator.

The free Quick Color Match software helps users, even without in-depth expertise in colour management, to see on the monitor how their images will look when printed on their Canon or Epson inkjet printer at home. In this way, the images can be optimised for the special properties of the selected photo paper even before printing, which helps users avoid expensive misprints.
More information on Quick Color Match.



FOR OPTIMIZED COLOR REPRODUCTION

EIZO microchip

The CS2731 has a high-quality microchip whose features EIZO has developed specifically for the special requirements of color-accurate work. This microchip is the brain of a ColorEdge as it guarantees the precise, uniform and constant image display that is the hallmark of EIZO.

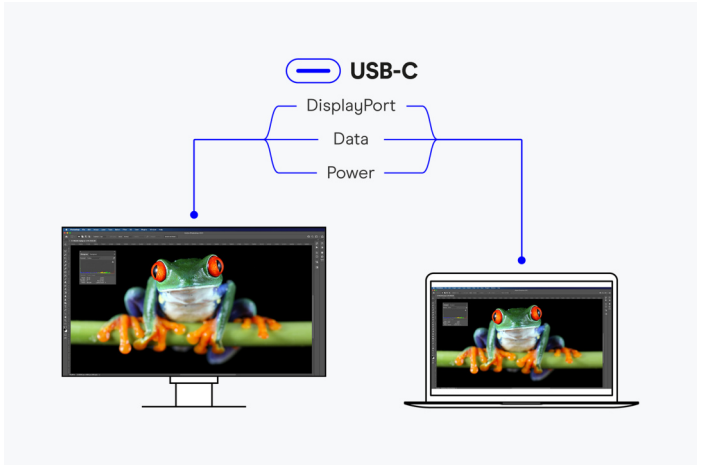
Variety of ports
Best connectivity

MODERN AND FUTURE-PROOF

USB-C: one cable for everything

Image signal, USB data transfer as well as power supply with up to 60 W, all this and more can be realised with a single USB-C cable. This makes the ColorEdge CS2731 the central dock of the graphic workflow. Peripheral devices such as a mouse, keyboard or printer can be connected directly to the USB-A ports. Mobile devices such as laptops or tablets can even be charged via the USB-C cable with up to 60 W via the USB-C cable. In this way, a laptop and CS2731 can be turned into a fully-fledged desktop workstation with a quick flick of the wrist.

Read more about USB-C in the EIZO Academy.

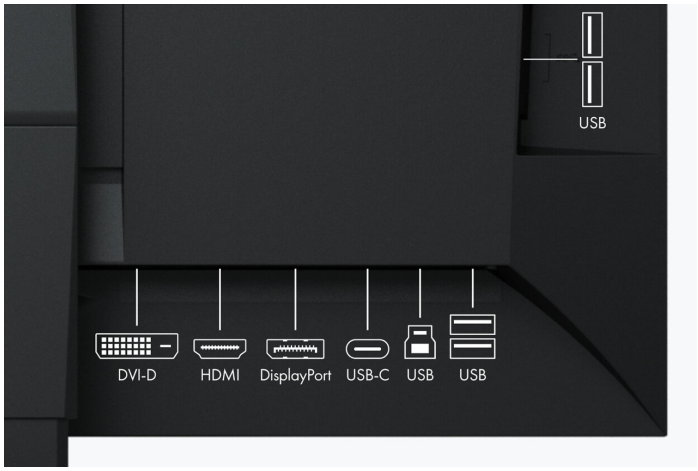


CONVENIENTLY CONNECTED

One monitor, many ports

The CS2731 supports a wide range of video formats via USB-C, HDMI and DisplayPort interfaces. This means that the monitor can not only be integrated into PC-based workflows but can also be used with HDMI feeders.

Learn more about the connectivity of EIZO monitors.



TWO PCS, ONE CONTROL

KVM switch

It has never been easier to operate different PCs with a single mouse and keyboard. Thanks to the USB upstream ports, the CS2731 has an integrated KVM (Keyboard Video Mouse) switch. The monitor automatically links the webcam, microphone, speakers, mouse and keyboard to the currently active source computer. This means, for example, that a desktop PC and laptop or business and private PC can each be operated on the same combination of monitor USB devices. This ensures uninterrupted working and a tidy workspace.

Discover all the advantages of the KVM switch here.

Ergonomics

Working in a relaxed manner

FOR THE SAKE OF THE EYES

Flicker free

The monitor is flicker-free at every brightness setting. This is great for users, as their eyes will not tire as quickly, allowing them to work in front of the screen for longer periods of time without fatigue.

MORE IMAGE, LESS REFLECTION

Optimal anti-glare coating

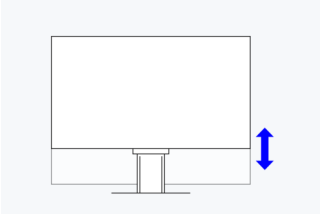
The CS2731 offers a perfect, non-glare surface. By minimising glare by diffusing the reflected light, the CS2731 effectively protects your eyes from straining. This keeps your eyes from getting as tired and allows you to sit comfortably in front of the monitor, without having to sit in a forced position to prevent glare.

FLEXIBLE ADJUSTMENT

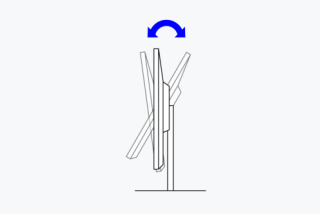
Ergonomic stand

Our screens offer continuous height adjustment. Depending on the model, they can even be lowered to the base plate of the stand. This guarantees the best possible ergonomics, regardless of whether the user is sitting or standing in front of the screen. You can also swivel, rotate and tilt the monitor base to the position that is most comfortable for your posture.

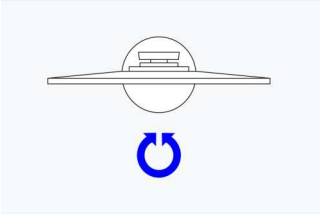
The CS2731 can also be rotated into the portrait format, which is a great advantage for tethered shoots of people in the portrait mode, for example.



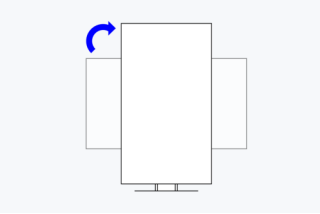
Height
155 mm



Tilt
Between 5° forwards and 35° backwards



Swivel
344°



Rotation
clockwise

QUICK ACCESS TO POPULAR FUNCTIONS

Customised key assignment

Depending on the model, up to three sensor buttons on the front can be assigned functions from the on-screen menu. The advantage: you have direct access to frequently used features.

Sustainability
Environmentally and socially conscious production

DURABLE, FAIR, AND RESOURCE-EFFICIENT

Responsibility in Development, Supply Chain, and Production

The CS2731 is designed for sustainable and long-lasting use—typically well beyond the warranty period. Replacement parts remain available long after production ends, and the product's repairability helps protect the environment. During development, emphasis was placed on minimal resource use, high-quality components, and meticulous production. Because one thing is clear: durable products make a significant contribution to environmental protection.

Manufacturing is carried out in a socially responsible manner and without child or forced labor; carefully selected suppliers are committed to the same standards, particularly regarding the handling of conflict minerals.

Manufactured in our own facility, which has an ISO 14001- and ISO 50001-certified environmental and energy management system, the production process includes measures to reduce waste, emissions, and energy consumption.

We publish a detailed annual report on these measures.

SUSTAINABLE DEVELOPMENT GOALS

Our Contribution to SDGs

As part of its sustainability initiatives, EIZO is contributing towards the United Nations' Sustainable Development Goals (SDGs).

Learn more about EIZO's sustainability initiatives here.

Environmentally Conscious Product Development

ColorEdge promotes the use of recycled materials and low-impact components, while maintaining the high performance demanded for creative work. The monitors are optimized for energy efficiency, contributing to lower greenhouse gas (GHG) emissions.
EIZO also collects and recycles used products to further minimize environmental impact. We strive to promote efficient and circular resource use across every stage of the product lifecycle - from parts and materials procurement to manufacturing, transportation, user experience, and end-of-life disposal.
All production sites at EIZO's headquarters in Japan operate on 100% renewable energy.

Color Precision for Creative Excellence

ColorEdge provides a high-precision color management solution for creative environments, powered by advanced display technology and consistent color control. Unified color management across the entire production workflow streamlines color communication across creative teams and studios, helping to reduce time and costs associated with rework due to color inconsistencies.
Learn more.

Warranty
Highest investment security

DURABLE THANKS TO HIGH-END QUALITY

Five-year warranty

EIZO grants a five-year warranty. This is possible thanks to the highly developed production process based on a simple principle of success: sophisticated and innovative technology, made from high-end materials.

Technical Data

GENERAL

Item no.	CS2731
Case color	Black
Areas of application	Photography, Video & Graphics
Product line	ColorEdge
Areas of application	Photography, image editing and retouching, Design, creation and illustration, Textile and fashion industry
Specific system requirements	None, compatible with most computers and operating systems including macOS and Windows
EAN	4995047054580

SCREEN

Screen size [in inches]	27
Screen size [in cm]	68,5
Format	16:9
Viewable image size (width x height) [in mm]	596,7 x 335,7
Ideal and recommended resolution	2560 x 1440
Pixel pitch [in mm]	0,233 x 0,233
Pixel density [in ppi]	109
Supported resolutions	2560 x 1440, 1920 x 1200, 1200p (@ 60 Hz), 1200p (@ 50 Hz), 1080p (@ 60 Hz), 1080i (@ 60 Hz), 1080p (@ 50 Hz), 1080i (@ 50 Hz), 1080p (@ 30/25/24 Hz), 720p (@ 60 Hz), 720p (@ 50 Hz), 576p (@ 50 Hz), 576i (@ 50 Hz), 480p (@ 60 Hz), 480i (@ 60 Hz)
Panel technology	IPS (Wide Gamut)
Max. viewing angle horizontal [in °]	178
Max. viewing angle vertical [in °]	178
Number of colors or greyscale	1.07 billion colors (USB-C, 10-bit), 1.07 billion colors (HDMI, 10 Bit), 1.07 billion colors (DisplayPort, 10 Bit), 16.7 million colors (DVI, 8 Bit)
Color palette/look-up table	278 trillion color tones / 16 Bit
Max. color space (typical)	DCI P3 (>95%), AdobeRGB (>99%), sRGB (100%)
Color space presets	sRGB, AdobeRGB
Max. brightness (typical) [in cd/m²]	350
Max. dark room contrast (typical)	1000:1
Response time grey-grey alternation (typical) [in ms]	10
Backlight	LED

CONNECTIONS

Signal inputs	USB-C (DisplayPort Alt Mode, HDCP 1.3), DisplayPort (HDCP 1.3), HDMI (Deep Color, HDCP 1.4), DVI-D (HDCP 1.4)
USB specification	USB 5Gbps (USB 3)
USB upstream ports	1 x type C (DisplayPort Alt Mode, 60 W max.), 1 x type B
USB downstream ports	4 x Typ A (2 x 5Gbps (USB 3), 2 x USB 2)
Graphic signal	USB-C, DVI Single Link (TMDS), DisplayPort, HDMI (RGB, YUV)

FEATURES & OPERATION

USB-C docking	✓
KVM switch	✓
Hardware calibration of brightness and luminance characteristics	✓
Preset color/greyscale modes	AdobeRGB, sRGB, additional memory spaces through calibration
Digital Uniformity Equalizer (homogeneity correction)	✓
No flickering	✓
I/P conversion	✓
HDCP Decoder	✓
Gamut Clipping	✓
Automatic signal input recognition	✓
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	Color Mode, Brightness, Contrast, Color temperature /White point, Gamma, Colour tone, Color saturation, 6 Colors, Color matrix YUV/RGB, Input Range, Menu Rotation, OSD language, Signal input, DUE priority
Button Guide	✓
Integrated power unit	✓

ELECTRICAL DATA

Frequency	USB-C/DisplayPort: 26-89 kHz/23-61 Hz; HDMI: 15-89 kHz/23-61 Hz; DVI-D: 26-89 kHz/23-61 Hz
Power consumption (typical) [in watts]	34
Maximum Power Consumption [in watts]	159 (at maximum brightness and operation of all signal and USB ports as well as full charging power)
Max. Power consumption in stand-by mode [in watts]	1
Power consumption with power switch off [in watts]	0
Energy efficiency class	G
Energy consumption/1000h [in kWh]	36
Power supply	AC 100-240V, 50/60Hz
Max. USB-C Power Delivery [in Watt]	60

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	638 x 404,1-559,1 x 265
Weight (incl. stand) [in kg]	10.1
Dimensions (without stand) (width x height x depth) [in mm]	638 x 378,2 x 75
Weight (without stand) [in kg]	6.5
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand [in °]	344
Tiltability forwards/backwards [in °]	5 / 35
Pivot between portrait / landscape	clockwise
Height adjustment range [in mm]	155
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certification	CE, CB, TÜV/GS, TÜV/Ergonomics (including ISO 9241-307), RCM, cTÜVus, FCC-B, CAN ICES-3 (B), TÜV/S, PSE, VCCI-B, RoHS, WEEE, China RoHS, CCC, EAC

SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	ColorNavigator, ColorNavigator Network
Other box contents	Signal cable HDMI - HDMI, USB/signal cable (USB-C - USB-C), Power cord, Manual via download, Quick guide
Accessories	CH2710 (Monitor hood for EIZO ColorEdge monitors), EX5 (External calibration sensor for ColorEdge monitors in conjunction with the ColorNavigator 7 color management software.), PM200-K (DisplayPort cable to transfer digital video and audio signals), PP200-K (DisplayPort cable)

WARRANTY

Warranty periode	5 years for unit and LCD module up to 30,000 operating hours, whichever comes first.
Included warranty	Zero pixel defects guarantee; no fully illuminated sub-pixels (sub-pixels ISO 9241-307) for six months from date of purchase.

Find your EIZO contact:
EIZO Europe GmbH
Belgrader Straße 2
41069 Mönchengladbach
Phone: +49 2161 8210-0
www.eizo.eu

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