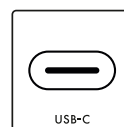# CS2731

Your advantages

USB-C

5 YEAR WARRANTY

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 USB 3.1 and two USB 2.0 down-stream ports

- ✓ ColorNavigator calibration software available for free download

- ✓ Recommended optional accessories: measuring device for hardware calibration and monitor hood

Features

Wide gamut – gamut for saturated colours

A monitor with the widest possible gamut is needed so that the entire colour spectrum of modern cameras can be used. Only then is it possible to visually assess and edit the saturated hues contained in the file. Therefore, the IPS panel of the ColorEdge CS2731 covers, for example, the wide AdobeRGB photo gamut to 99% as well as the ISO-Coated V2 CMYK print gamut. As a result, the full colour spectrum of modern cameras is displayed unaltered and without gaps. Moreover, a precise simulation of the print result in the soft-proofing view is guaranteed.


Outstandingly sharp image quality

The screen has an impressive top resolution (2560 x 1440), a very good contrast ratio of 1000:1 and a brightness of 350 cd/m². 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.
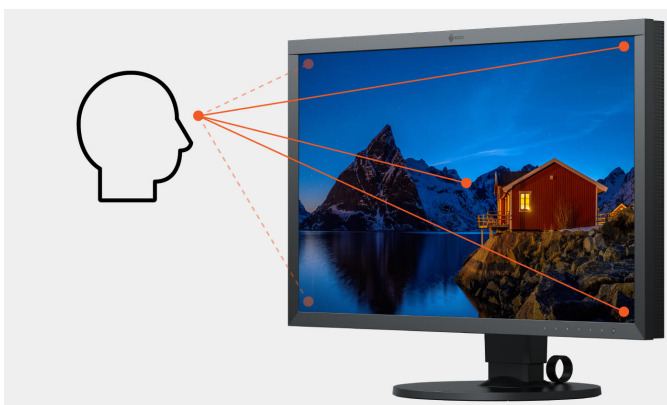

Smooth and fluid transitions and gradients thanks to 16-bit LUT and 10-bit mode

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.
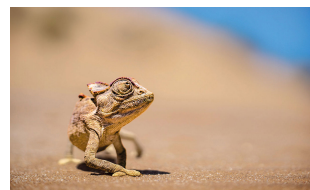

10 bit (LUT: 16 bit)
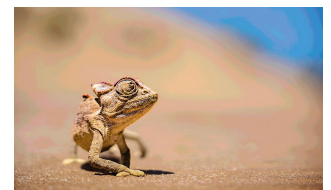
8 bit (no LUT)

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.
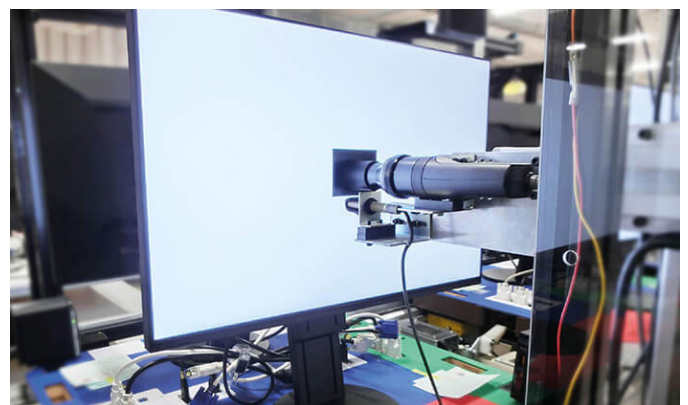
Features

Digital Uniformity Equalizer – perfect rendering across the entire screen

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 over the entire service life of the monitor, no matter where they are displayed. Only in this way is precise image processing and retouching possible.

<div align="center">With DUE   Without DUE</div>

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).

### 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 Color-

Navigator 7 from EIZO, the ColorEdge CS2731 can be adjusted within 90 seconds (measured with a MacBook Pro and EX4), 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
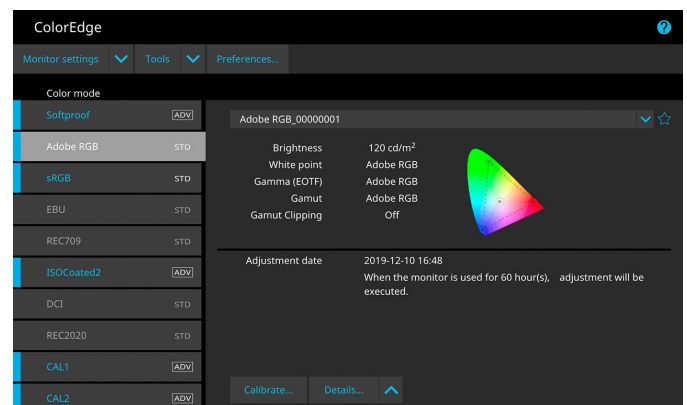
<div align="center">Exemplary illustration. Colour Mode selection varies by model.</div>

EIZO microchip for optimised colour reproduction

The CS2731 has a high-quality microchip (ASIC, Application-Specific Integrated Circuit), which EIZO developed especially for the special requirements involved in work demanding high colour accuracy. This microchip is the brain of a ColorEdge as it guarantees the precise, uniform and constant image display that is the hallmark of EIZO.

Features

Cutting-edge connectivity with USB-C

One single USB-C cable is all that is needed to provide a monitor signal, transfer data quickly and supply power (up to 60 watts), among many other feats. This makes the ColorEdge CS2731 the central dock for workflows in graphic design. Peripherals such as mice, keyboards, hard disks, card readers and printers can be connected directly to the two USB-A ports on the side and at the bottom. The USB-C cable can be used to charge laptops and tablet computers at up to 60 watts, transforming your laptop and CS2731 into a full-fledged desktop workstation.

Read more about USB-C in EIZO Monitor know-how.
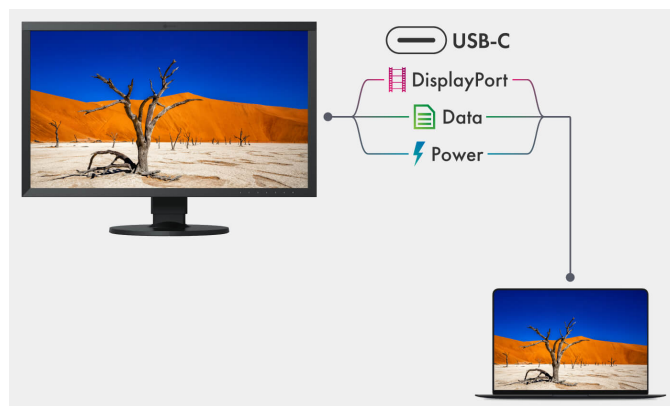
Monitor ports

It doesn't get simpler than this: Most end devices, such as PCs, laptops or cameras, can be connected directly to the monitor, thanks to its wide range of interfaces.

The existing USB-C interface can be used for regular upstream data transfers as well as to transmit DisplayPort video signals and audio signals. This means a computer with a USB-C port can be easily connected with just the one cable. A USB-B interface is also available as another upstream port. On the USB downstream side, the CS2731 has two USB Type B and two USB Type A ports.

The CS2731 supports a wide range of video formats via a DisplayPort, DVI-D and HDMI input. As a result, the monitor can be integrated into PC-based workflows and be used with HDMI feeds.


KVM switch: two PCs, one user

It's never been easier to operate two PCs with a single mouse and keyboard. With two USB upstream ports (USB-C and USB-B), the ColorEdge CS2731 has a built-in KVM (Keyboard Video Mouse) switch. The monitor automatically links the mouse and keyboard to the currently active source computer. This means, for example, that a desktop PC and a laptop or a work and home PC can be operated on the same combination of monitor, mouse and keyboard. Switching is then done conveniently with the sensor key on the front of the monitor. This ensures uninterrupted work and a tidy workspace.

Modern antireflection technology

Nothing is more distracting than dazzling reflections on the monitor. That is why all EIZO monitors use modern antireflection technology. This does not just protect your eyes from excessive strain, but also saves you from having to assume uncomfortable positions while sitting in front of your monitor.
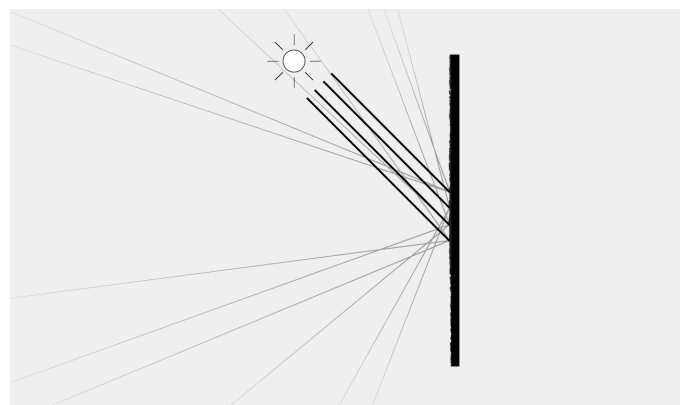
Features

Work without screen flicker – your eyes will thank you for it

Many monitors flicker imperceptibly. This flickering is not consciously perceived, but it causes the eyes to tire more quickly. That is why EIZO attaches great importance to flicker-free monitors. 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.

Stand – ergonomic and stable

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.
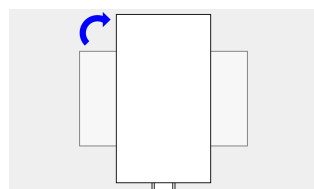
The CS2731 can also be rotated into the portrait format, which is a great advantage for tethered shoots of people in the portrait mode, for example.
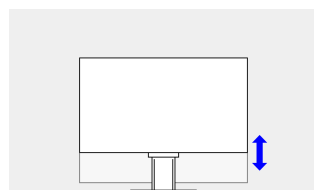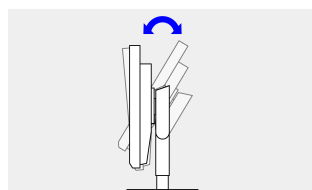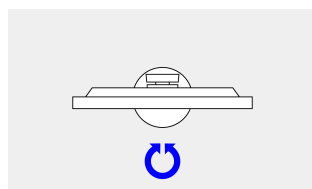
Height 155 mm	Tilt Back 35°, front 5°
Pivot Clockwise rotation 90°	Swivel 344°

Socially responsible production

The CS2731 is produced in a socially responsible way. It is free of child labour and forced labour. Suppliers along the supply chain have been carefully selected and they have also commit-

ted themselves to produce in a socially responsible way. This applies in particular to conflict minerals. We present a detailed report about our social responsibility annually and voluntarily.

Read more about our corporate social responsibility

Sustainable and durable

The CS2731 is designed for a long service life that takes into account the entire lifecycle and impact on the environment. It is generally well above the five-year guarantee. Spare parts are available up to five years after the end of production. The monitor's long service life and the ability to repair it save resources and the climate. When designing the CS2731 we paid attention to reducing resource consumption by using high-quality components and materials and being meticulous in production.
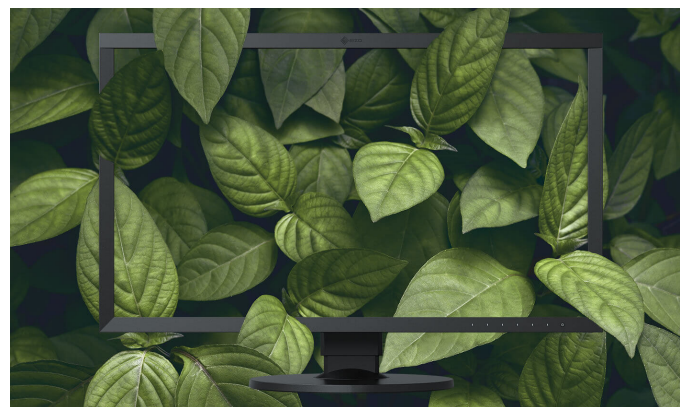
Features

Environmentally and climate friendly

Each CS2731 is manufactured in our own factory, which implements an environmental management system in accordance with ISO 14001. This includes measures to reduce waste, wastewater and emissions, resource and energy consumption, as well as to encourage environmentally conscious behaviour among employees. We publicly report on these measures on an annual basis as a main component of our CSR report.

A five-year warranty and long service life

Superior material, careful workmanship and meticulous final inspection ensure such extraordinary longevity, making it possible for us to offer a five-year warranty.*

* in Belgium: including on-site replacement service

Specification

General

Item no.	CS2731
Case color	Black
Areas of application	Photography, Video, Graphics
Product line	ColorEdge
EAN	4995047054580

Display

Screen size [in inches]	27
Screen size [in cm]	68.5
Format	16:9
Viewable image size (width x height)	596.7 x 335.7
Ideal and recommended resolution	2560 x 1440
Pixel pitch [mm]	0.233 x 0.233
Resolution supported	2560 x 1440, 1920 x 1200, 480i (@ 60 Hz), 480p (@ 60 Hz), 576i (@ 50 Hz), 576p (@ 50 Hz), 1080i (@ 60 Hz), 720p (@ 60 Hz), 1080p (@ 60 Hz), 1200p (@ 60 Hz), 1080i (@ 50 Hz), 720p (@ 50 Hz), 1080p (@ 50 Hz), 1080p (@ 30/25/24 Hz), 1200p (@ 50 Hz)
Panel technology	IPS (Wide Gamut)
Max. viewing angle horizontal	178 °
Max. viewing angle vertical	178 °
Number of colours or greyscale	1.07 billion colours (USB-C), 1.07 billion colours (display port, 10 Bit), 1.07 billion colours (HDMI, 10 Bit), 16.7 million colours (DVI, 8 Bit)
Colour palette/look-up table	278 trillion colour tones / 16 Bit
Max. colour space (typical)	AdobeRGB (>99%), DCI P3 (95%), sRGB (100%)
Max. brightness (typical) [in cd/m²]	350
Max. dark room contrast (typical)	1000:1
Typical response time [grey/grey alternation]	10 ms
Max. refresh rate [in hertz]	60
Backlight	LED

Features & control

USB-C docking	✔
Hardware calibration of brightness, white point and Gamma/EOTF	✔ with separate measurement sensor
Preset colour/greyscale modes	Adobe RGB, sRGB, Calibration, User1
Digital Uniformity Equalizer	✔
No flickering	✔
I/P conversion (HDMI)	✔
Signal range amplifier (HDMI)	✔
Noise suppression (HDMI)	✔
HDCP Decoder	✔
Gamut Clipping	✔
Input signal identification	✔
KVM switch	✔
OSD language	de, en, fr, es, it, se, ja, zh
Adjustment options	Brightness, Gamma, Colour gamut, Colour saturation, Colour tone, 6 Colours, Image size, Colour matrix YUV /RGB, Input Range, Signal Detection, Menu Rotation, Colour temperature, Signal input, OSD language, DUE priority
Button Guide	✔
Integrated power unit	✔

Ports

Signal inputs	DisplayPort (HDCP 1.3), USB-C (DisplayPort Alt Mode, HDCP 1.3), HDMI (Deep Colour, HDCP 1.4), 1x DVI-D
USB specification	USB 3.1 Gen 1
USB upstream ports	1 x type C (DisplayPort Alt Mode, 60 W max.), 1 x type B
USB downstream ports	4 x type A (2 x USB 3.1 Gen 1, 2 x USB 2.0)
Video signal	DisplayPort, DVI (TMDS), HDMI (YUV, RGB)

Electric data

Frequency	HDMI: 15-89 kHz/23-61 Hz; USB-C/DisplayPort: 26-89 kHz/23-61 Hz; DVI-D: 26-89 kHz/23-61 Hz
Power consumption (typical) [in watt]	34
Maximum Power Consumption [in watt]	159
Power Save Mode [in watt]	1
Power consumption off [in watt]	0
Energieeffizienzklasse	G
Energy consumption/1000h [in kWh]	36
Power supply	AC 100-240V, 50/60Hz
Power management	✔

Dimensions & weights

Dimensions [mm]	638 x 404,1-559,1 x 265
Weight [in kilograms]	10.1
Weight without stand [in kilograms]	6.5
Housing dimension details	Dimension drawing (PDF)
Swivel	344 °
Incline forward/backward	5 ° / 35 °
Pivot	✔ 90°
Height adjustment range [mm]	155
Hole spacing	VESA standard 100 x 100 mm

Certification & standards

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

Software & accessories

Accompanying software and other accessories are available for download	ColorNavigator
Additional supply	Power cord, Signal cable HDMI - HDMI, USB/signal cable (USB-C - USB-C), Quick guide
Accessories	CH2700 (Monitor hood for CS2730, CS2731 and CS2740), PP200-K (DisplayPort cable, 200 cm), PM200-K (DisplayPort cable to transfer digital video and audio signals.), TC-BRACKET3-BK (Thin Client mount in black for EIZO FlexStand 3 stand), EX4 (Colorimeter for ColorEdge monitor calibration), EIZO ScreenCleaner (for the best possible clean without scratching the monitor)

Warranty

Warranty and service	5 years warranty*

Terms

*) The length of the warranty for the LCD module is five years from the date of purchase or 30,000 operating hours, depending on which happens sooner.**) Zero pixel error guarantee for completely lit sub-pixels (partial pixels ISO 9241-307). Valid: six months from the purchase date.