



# CS2731

## Your advantages



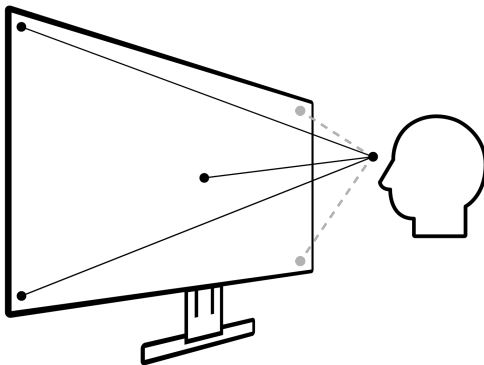
The ColorEdge CS2731 unites precision, colour fidelity and cutting-edge connectivity. Convenient functionalities such as monitor signal transmission, rapid data transfer and the power supply feature for connected notebooks or tablets are enabled with just one USB-C cable. This makes the monitor the central 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 Equaliser 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 Equaliser 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 downstream ports
- ✓ ColorNavigator calibration software available for free download
- ✓ Recommended optional accessories: measuring device for hardware calibration and monitor hood

## Features

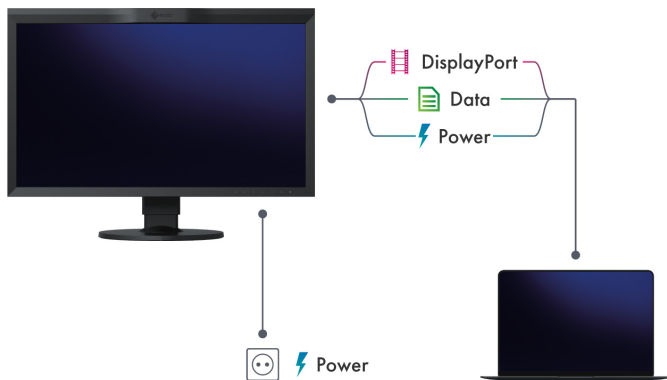
### Excellent image quality for sharp images

The screen convinced with a resolution of 2560 x 1440, an impressive contrast ratio of 1000:1 and a brightness of 350 cd/m<sup>2</sup>. So you are able to edit graphics and images pixel accuracy. And: the textures are clear and pricseely. The LCD panel with IPS (Wide Gamut) technology enables a viewing angle of 178 degrees, ensuring that hues and contrast remain stable for the viewer.



### Cutting-edge connectivity thanks to USB-C connection

Convenient functionalities such as monitor signal transmission, rapid data transfer and the power supply feature up to 60 W for connected notebooks or tablets are enabled with just one USB-



C cable. This makes the monitor the central dock for any graphic workflow. Periphery devices such as a mouse and keyboard, hard disks and card reading devices can be connected directly to the monitor's USB hub. Portable computers can be connected using just one cable, which also allows them to be charged at the same time. This means that a laptop and CS2731 can be

transformed into a fully equipped desktop workstation with just a few adjustments.

[Read more about USB-C in EIZO Practical Expertise.](#)

### Wide gamut – ideal for RAW images and prints

Those working with RAW or Adobe RGB images should look no further than our wide gamut monitor: the wide colour space reproduces 99% of the Adobe RGB colour spaces. If pictures taken in RAW format are converted to Adobe RGB, the monitor will display them absolutely correctly. For example, you can see a shining blue sky or lush green forests that are true to nature – unlike monitors with sRGB colour space. The EIZO monitor also offers great benefits when printing: It covers almost the entire CMYK colour space (for example ISO Coated and U.S. Web Coated). You can already see on the screen how your subsequent print result will look, saving yourself proofs.



Adobe RGB



sRGB

### Exact and fast hardware calibration

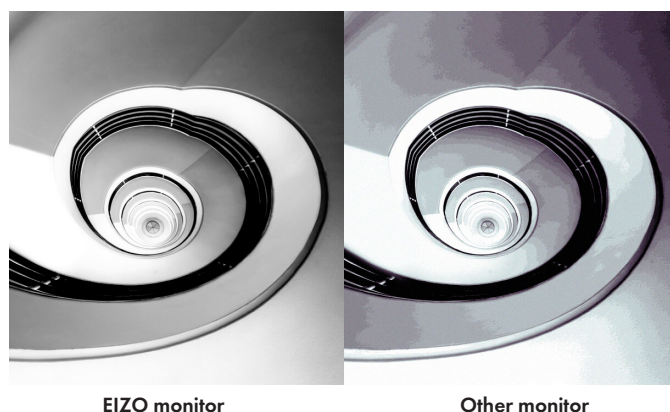
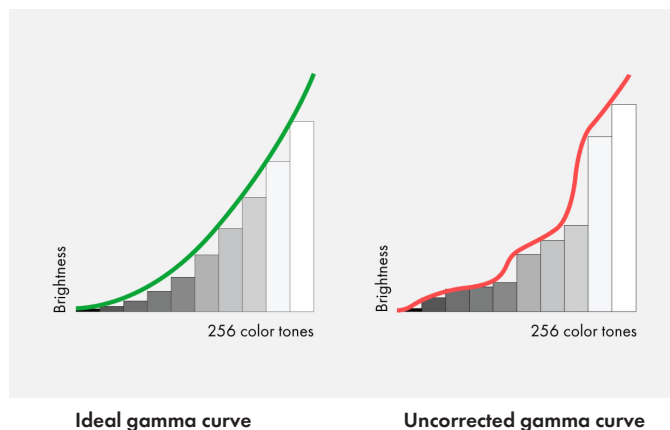
Calibration becomes quick, easy, and colour accurate with the ColorNavigator software: Calibration is accessed and stored directly on the look-up table in the monitor's hardware during calibration. You determine the corresponding components such as white point, gamma, brightness, and tone curve according to your needs. The calibration is then fully automatic and based on the factory adjustment and is therefore unique in terms of precision and speed.



## Features

### High resolution look-up table

Thanks to the 16-bit look-up-table, the CS2731 offers precise resolution of image signals. Colour nuances and image structure are not lost, particularly in the case of dark hues. This reliable and precise reproduction reduces calibration steps, saving valuable production time.



### Professional calibration with EIZO ColorNavigator

Good image editing can only take place with a well-calibrated monitor. The standard software calibration takes a long time and requires the user to have technical expertise. The CS2731 is de-



livered with the ColorNavigator hardware calibration software. It can be even be performed by users with no technical expertise in just a few steps. Advanced users can enter numbers for

brightness, gamma, white point, and other calibration settings as target values. As the calibration uses the monitor's hardware, it takes place without losses and independently of the computer and graphics card. The CS2731 integrates perfectly into an existing system.

### Exact colour reproduction – factory calibration

With LCD panels, the image display can vary from module to module. That is why each ColorEdge monitor is precisely measured and calibrated in the factory. The gamma curves for the red, green and blue channels are tested according to strict parameters and corrected if necessary. This unique EIZO factory calibration enables the user to start using the monitor with the preset gamut right out of the box. In addition, the factory calibration allows the user to quickly recalibrate the monitor if needed using ColorNavigator.



### EIZO microchip for optimised colour reproduction



The CS2731 has a high-quality microchip (ASIC, Application-Specific Integrated Circuit), which EIZO has developed specifically for the

special requirements of colour-proof work. Thanks to their own algorithm, EIZO ASICs ensure a precise, uniform, and constant colour display.

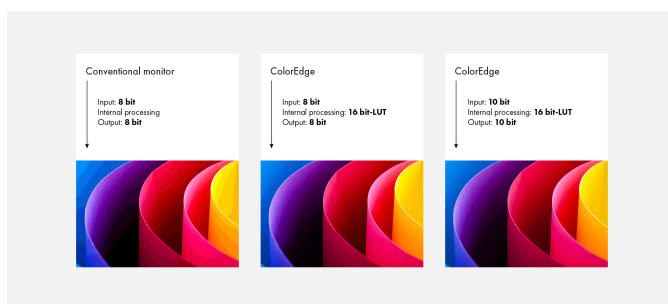
### Constant tone value over the entire screen

Digital Uniformity Equaliser (DUE) controls all tone values over the entire monitor, pixel by pixel. The effect: colour tones appear identical at each point on the screen, without the brightness fluctuations you experience in conventional LCDs. The DUE function also balances out the effects of fluctuations in ambient temperature on the colour temperature and brightness. You will enjoy consistently even luminance distribution and perfect colour purity. A real plus when touching-up images.

## Features

### 10 bit colour depth: a billion colors in the finest grades

Thanks to the 10 bit colour display based on a 16 bit LUT, you can utilize a huge colour spectrum. This is made possible by the rapid DisplayPort and HDMI connections in combination with the frame rate control. A billion colors at your fingertips simultaneously. That is 64 times more colors than with an 8 bit display. The colour gradations are finer and the colour differences between adjacent colors are smaller. The enhanced greyscale range is equally important for post-production. With the 10 bit greyscale range activated, between 6% and 14% more gray-scales are visible.



8 bit and 10 bit display

### Lightning-fast colour mode changes

You can access colour modes from the monitor's memory at the click of a button. Standards such as AdobeRGB and sRGB are preconfigured at the factory. There are also settings that you can calibrate yourself. Switching between modes takes mere seconds, and does not involve any delays caused by renewed calibration.



### Flicker-free working

The monitor is flicker-free at every brightness setting. The benefit: Your eyes do not get tired as quickly. You can work on the screen for an extended period.

### One monitor, many 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 down-

stream side, the CS2731 has two USB Type B and two USB Type A ports.

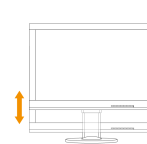
The CS2731 supports a wide range of video formats via a DisplayPort, DVI-D and HDMI input. As a result, the monitor can be integrated into PC-based workflows and be used with HDMI feeds.

### Quick operation – even in dark rooms

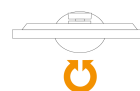
Operation is easy and clear. The Button Guide, an overview function on the monitor, will show you the respective function keys above the control panel. The backlight keys mean that the monitor can even be used in dark environments. This is particularly helpful in dark post-production studios.

### Ergonomic and stable: the adjustable base

The CS2731 has a flexible base to adjust the height, tilt, and rotation and supports both portrait and landscape use. The monitor can be tailored to the user's needs. For example, he can set a sitting position that is ergonomic for him (e.g. lowered to the bottom) or a position to show clients and colleagues something on the screen.



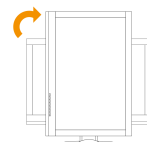
155 mm



344°



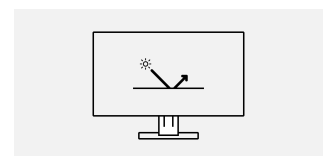
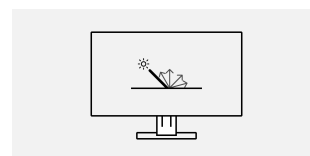
Tilt up 35°, tilt down 5°



Rotation 90° clockwise

### Perfect anti-glare coating

The IPS panel has optimal anti-glare coating. It diffuses the reflected light to minimise glare, protecting your eyes from strain. In addition, the monitor provides for a wide viewing angle without any distracting reflections. This is particularly advantageous when multiple people are seated in front of the same monitor.





# Specification

## General

Item no.	CS2731
Case colors	Black
Solutions	Photography, design & media
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 Horizontal [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 colors or grayscale	1.07 billion colors (USB Type-C), 1.07 billion colors (display port, 10 Bit), 1.07 billion colors (HDMI, 10 Bit), 16.7 million colors (DVI, 8 Bit)
Max. colour space	Adobe RGB (>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]	16 ms
Max. refresh rate [in hertz]	60
Backlight	LED

## Features

Hardware calibration of brightness, white point, and gamma correction	✓
Color palette / look-up table	278 trillion colour tones / 16 Bit
Digital Uniformity Equalizer	✓
I/P conversion (HDMI)	✓
Signal range amplifier (HDMI)	✓
Noise suppression (HDMI)	✓
HDCP Decoder	✓
Gamut Clipping	✓
Preset colour / greyscale modes	Adobe RGB, sRGB, Calibration, User1
OSD language	de, en, fr, es, it, se, ja, zh
Adjustment options	Brightness, Gamma, Colour gamut, Colour saturation, Colour tone, 6 Colors, Image size, Colour matrix YUV / RGB, Input Range, Signal Detection, Menu Rotation, Colour temperature, Signal input, OSD language, DUE priority
Button Guide	✓
Signal inputs	DisplayPort (HDCP 1.3), USB Type-C (DisplayPort Alt Mode, HDCP 1.3), HDMI (Deep Colour, HDCP 1.4), DVI-I (HDCP 1.4)
USB Typ-C	✓
Video Signal	DisplayPort, DVI (TMDS), HDMI (YUV, RGB)
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
Input Signal Identification	✓
USB hub	1 Up-Stream USB-C (60W Power Delivery) / 1 Up-Stream USB-B / 2 Down-Stream USB-A, 3.1 Gen 1 / 2 Down-Stream USB-A, Rev. 2.0

## Certification & Standards

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

## Electric data

Power consumption (typical) [in watt]	34
Maximum Power Consumption [in watt]	159
Power Save Mode [in watt]	1
Power Consumption Off [in watt]	0
Energy-efficiency class	B
Annual Energy Consumption [in kWh]	62
Power Supply	AC 100-240V, 50/60Hz
Power Management	DisplayPort Version 1.2a
Integrated power unit	✓

## Dimensions & Weights

Dimensions [mm]	638 x 404, 1-559, 1 x 265
Weight [in kilograms]	10.1
Weight Without Stand [in kilograms]	6.5
Swivel (right/left)	344 °
Incline forward/backward	5 ° / 35 °
Pivot	✓
Height Adjustment Range [mm]	155
Hole Spacing	VESA standard 100 x 100 mm

## Software & Accessories

Accompanying software and other accessories are available for download or on a CD	ColorNavigator
Additional Supply	Power cord, Signal cable HDMI - HDMI, USB, and signal cable (USB Type-C), Quick guide
Accessory	EIZO ScreenCleaner (for the best possible clean without scratching the monitor), EX3 (Colorimeter for ColorEdge monitor calibration), CH2700 (Monitor hood for CS2730 and CS2731), PP200-K (DisplayPort cable (200 cm) to transfer digital video and audio signals.)

## Warranty

Warranty and service	5 years including on-site replacement service*
----------------------	--

### 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.