



## CS2420

### Your advantages



The size of the gamut and the stability of the LCD technology's viewing angle entirely depend on the sophistication of the electronics and the precision of the calibration. The ColorEdge CS2420 stands out with an EIZO microprocessor that was specifically developed for precise colour reproduction and calibration. Its hues are adjusted during production in a 16-bit look-up-table for perfect gradation properties. This enables precise calibration in a flash. Because of this, the CS2420 displays colours and curves as precisely as possible for users. It is perfect for enthusiasts of amateur photography and image editing because it provides them with an unadulterated look at their images. As is typical for EIZO products, the CS2420 is manufactured from high-quality components in our own factory in Japan. This makes the product lastingly reliable, which is why it comes with a five-year manufacturer's warranty.

- ✓ Wide gamut LCD with LED technology, contrast 1,000:1, brightness 350 cd/sq m
- ✓ High-performance colour range with 99 % AdobeRGB colour space coverage
- ✓ 16 bit LUT for exact hardware calibration of brightness, white point, and gamma
- ✓ Digital Uniformity Equalizer (DUE) for excellent luminance distribution and colour purity
- ✓ Colour precision with 16 bit look-up table and up to 10 bit colour rendering
- ✓ DisplayPort, DVI-D, and HDMI inputs
- ✓ ColorNavigator software included
- ✓ Recommended optional accessories: Measuring device for hardware calibration

## Features

### EIZO microchip for optimised colour reproduction



The CS2420 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.

### 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.



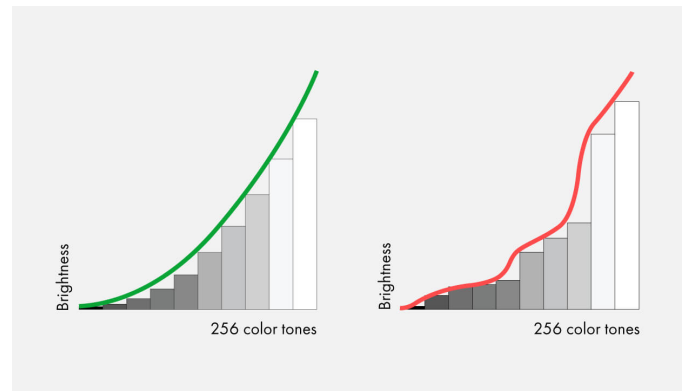
Adobe RGB



sRGB

### High resolution look-up table

Thanks to the 16-bit look-up-table, the CS2420 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.



Ideal gamma curve

Uncorrected gamma curve



EIZO monitor



Other monitor

### 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.



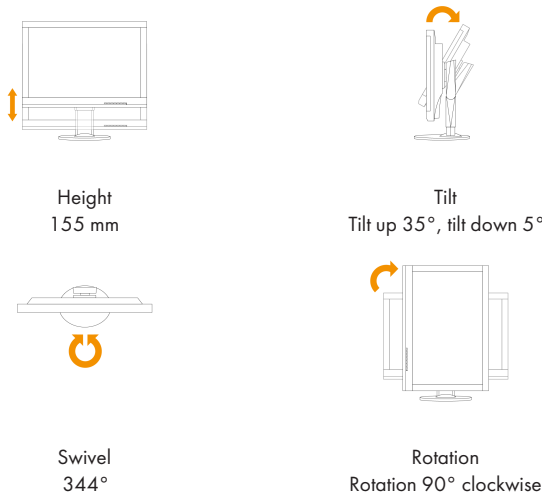
### One monitor, many ports

It doesn't get easier than this: You can connect most of your devices, such as PC, laptop or cameras directly to the monitor because the monitor has a number of different ports. That makes your daily work easier.

## Features

### Ergonomic and stable: the adjustable base

The CS2420 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.



### 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 monitor technology, made from high-end materials.

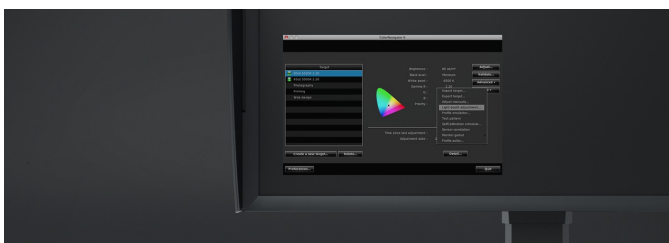
\* in Belgium: including on-site replacement service



### Hardware calibration with EIZO ColorNavigator

Precise image editing is only possible on monitors that are calibrated on a regular basis. The standard software calibration process is time-consuming and often results in reduced display quality. The CS2420 is calibrated using the ColorNavigator hardware calibration software, which can be downloaded for free.

Using ColorNavigator, you can carry out loss-free calibration quickly and in just a few steps. Advanced users can enter target values for white balance, brightness and hue curve (gamma/EOTF) as well as other calibration settings. The calibration is then carried out automatically based on the factory settings, making the calibration process unique in its speed and precision.



The ColorNavigator saves the calibration directly in the monitor's look-up-table.

# Specification

## General

Item no.	CS2420
Case color	Black
Areas of application	Photography, Video, Graphics
Product line	ColorEdge
EAN	4995047048091

## Display

Screen size [in inches]	24.1
Screen size [in cm]	61.1
Format	16:10
Viewable image size (width x height)	518.4 x 324
Ideal and recommended resolution	1920 x 1200
Pixel pitch [mm]	0.27 x 0.27
Resolution supported	1920 x 1200, 480i (@ 60 Hz), 480p (@ 60 Hz), 1080i (@ 60 Hz), 720p (@ 60 Hz), 1080p (@ 60 Hz), 1200p (@ 60 Hz), 576i (@ 50 Hz), 576p (@ 50 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 (display port, 10 Bit), 1.07 billion colours (HDMI, 10 Bit), 16.7 million colours (display port, 8 Bit), 16.7 million colours (HDMI, 8 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%), ISO Coated V2 (99%)
Max. brightness (typical) [in cd/m²]	350
Recommended brightness [in cd/m²]	120
Max. dark room contrast (typical)	1000:1
Typical response time [grey/grey alternation]	15 ms
Max. refresh rate [in hertz]	60
Backlight	LED

## Features & control

Hardware calibration of brightness, white point and Gamma/EOTF	✓ with separate measurement sensor
Preset colour/greyscale modes	Adobe RGB, sRGB, Paper, Calibration, 1x free mode for user selection
Digital Uniformity Equalizer	✓
No flickering	✓
Signal range amplifier (HDMI)	✓
Noise suppression (HDMI)	✓
HDCP Decoder	✓
Gamut Clipping	✓
Input signal identification	✓
OSD language	de, en, fr, es, it, se, ja, zh
Adjustment options	Brightness, Contrast, Gamma, Colour saturation, Gain, 6 Colours, Image size, Input Colour Format, Input Range, Signal Detection, Menu Rotation, Noise Reduction, Colour temperature, Gammut clipping, Colour Mode, Colour tone, Signal input, OSD language, Interpolation, DUE priority
Button Guide	✓
Integrated power unit	✓

## Ports

Signal inputs	DisplayPort (HDCP 1.3), HDMI (Deep Colour, HDCP 1.4), DVI-D (HDCP 1.4)
USB specification	USB 3.1 Gen 1
USB upstream ports	1 x type B
USB downstream ports	3 x type A
Video signal	DisplayPort, DVI (TMDS), HDMI (YUV, RGB)

## Electric data

Frequency	HDMI: 15-78 kHz/24-61 Hz; DisplayPort: 26-78 kHz/24-61 Hz; DVI-D: 26-78 kHz/24-61 Hz
Power consumption (typical) [in watt]	26
Maximum Power Consumption [in watt]	92
Power Save Mode [in watt]	0.6
Power consumption off [in watt]	0
Energieeffizienzklasse	G
Energy consumption/1000h [in kWh]	28
Power supply	AC 100-120 V / 200-240 V, 50/60 Hz

## Dimensions & weights

Dimensions [mm]	554 x 396-551 x 245
Weight [in kilograms]	7.8
Housing dimension details	<a href="#">Dimension drawing (PDF)</a>
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
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## Software & accessories

Accompanying software and other accessories are available for download	ColorNavigator
Additional supply	Power cord, Signal cable DisplayPort - DisplayPort, Signal cable HDMI - HDMI, USB cable, Quick guide
Accessories	EIZO ScreenCleaner (for the best possible clean without scratching the monitor), HH200PR-K (HDMI (High Definition Multimedia Interface) cable), CH2400 (Monitor hood for CS2410, CS2420), CP200-BK (USB-C to 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)

## Warranty

Warranty and service	5 years warranty*
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### 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.