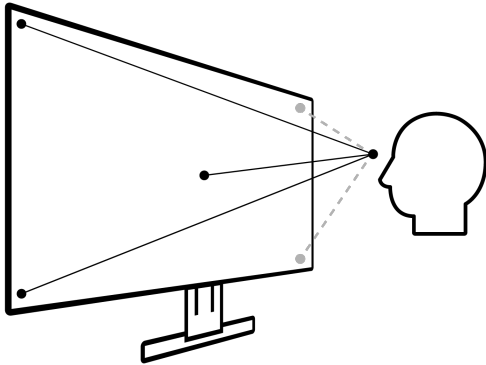# CG2730

Your advantages

5 YEARS WARRANTY

The fully equipped ColorEdge CG2730 meets the needs of the most sophisticated photographers and designers with its True Black panel, 16bit look-up-table, and light protection shield (included in the delivery). The True Black IPS panel covers 99% of the Adobe RGB gamut and 98% of the DCI-P3 gamut. The unique combination of the built-in calibration sensor, EIZO microprocessor, and individual calibration at the factory guarantees the highest degree of colour accuracy. Moreover, the user does not need to spend time on regular calibration: Fully automated calibration can be easily and conveniently set to run at night or over the weekend. Enjoy colors just like the ones in the original image.

- ✅ 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 gamut as well as 98% of the DCI-P3 colour range
- ✅ Integrated measurement sensor for fully automatic self-calibration
- ✅ Precise hardware calibration of brightness, white balance, and gamma
- ✅ Digital Uniformity Equalizer for perfect luminance distribution and colour purity
- ✅ Colour precision with 16bit look-up-table and up to 10bit colour reproduction
- ✅ Temperature-controlled adjustment of colour drift and brightness
- ✅ DisplayPort, DVI-D, and HDMI ports
- ✅ ColorNavigator calibration software and light protection shields included in delivery

Features

Excellent image quality for sharp images

The screen convinced with a resolution of 2560 x 1440, an impressive contrast ratio of 1500:1 and a brightness of 350 cd/m2. So you are able to edit graphics and images pixel accuracy. And: the textures are clear and pricsely. 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.

EIZO microchip for optimised colour reproduction

The CG2730 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.

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.

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**

Constant tone value over the entire screen

Digital Uniformity Equalizer (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 grayscales are visible.
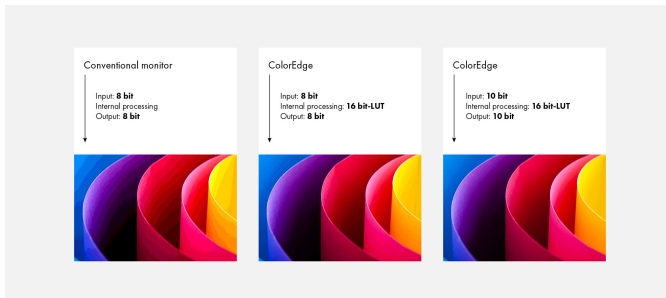
8 bit and 10 bit display

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.
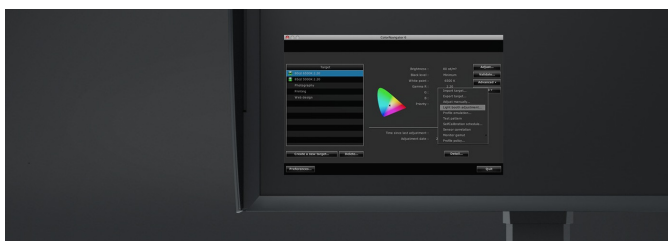
Professional hardware calibration

Good image processing is only possible on well-calibrated monitors. The usual software calibration takes a long time and requires the user to have a certain level of technical expertise. The CG2730 is supplied with ColorNavigator hardware calibration software. With ColorNavigator, you can perform calibration quickly, easily, and with excellent colour precision: During calibration, the software directly accesses and saves to the look-up-table in the monitor hardware. You determine the relevant components such as white balance, gamma, brightness, and tone value curve according to your requirements. Calibration then runs automatically based on the default set during production and is therefore unique in terms of precision and speed. This also means that calibration can be performed by users in just a few steps, with no need for in-depth technical knowledge. Because the calibration takes place via the monitor hardware, it is performed without loss and independently of the computer and graphics board. The CG2730 can also be smoothly integrated into an existing system.

More about ColorNavigator

3
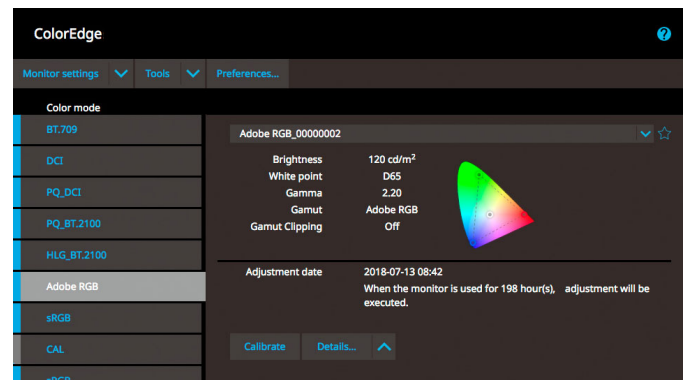
Features

Integrated sensor for self-calibration

An integrated calibration sensor ensures you achieve maximum colour accuracy. The sensor is perfectly aligned to the monitor, takes environmental influences such as light into account, and correlates the centre of the image with the edge of the image. This ensures an even result over the whole monitor. The sensor is located in the bezel and is only extended when performing measurements. This means that no external calibration device is necessary, and the colour fidelity of the monitor is optimal at all times. The CG2730 is equipped with the latest sensor technology that enables recalibration during normal operation, allowing you to continue working with non-colour-critical applications while the monitor is calibrating. During calibration, the sensor only takes up a small area of the screen and does not present an obstacle. Calibration can also be performed fully automatically at definable times.
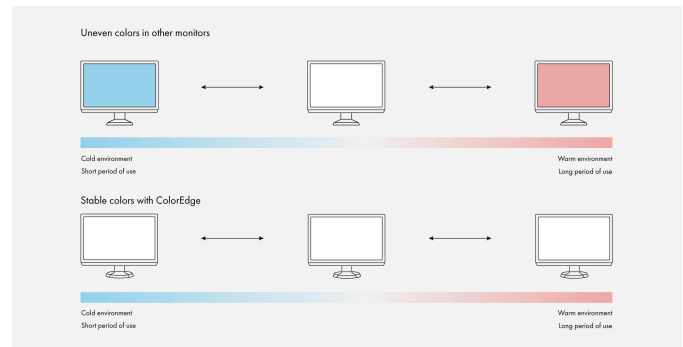
It does not get any simpler than this: You can use the ColorNavigator software or the on-screen menu to determine when you want monitor calibration to take place automatically. For example, you can schedule calibration to take place during your lunch break or overnight, with no PC connection required.

Stable brightness, no colour deviation

The alpha and omega for exact image editing: constant brightness and colour temperature. Patented electronics balance out brightness fluctuations that may arise due to extended periods of use and increased environmental and operating temperature. Thanks to a built-in thermometer, colour deviations caused by fluctuations in room temperature are eliminated and automatically reduced. The colour rendering remains absolutely constant over a long period of use, right from the start: because the warm-up time until brightness, colour, and tone values have completely stabilized is just seven minutes. That is a quarter of the time normally required.


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.

True Black: Colour depth for plastic images

With its high contrast ratio, the CG2730 clearly reproduces deep black tones that can often appear pale or washed out on a typical LCD monitor due to the backlighting. This happens in particular when the monitor is viewed from the side in weakly lit rooms. The CG series is therefore equipped with a retardation film, which enables this depth of black tones even at a larger viewing angle.
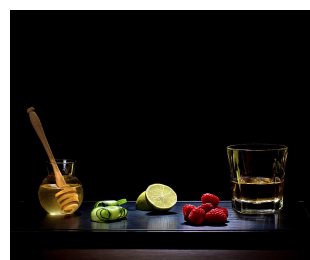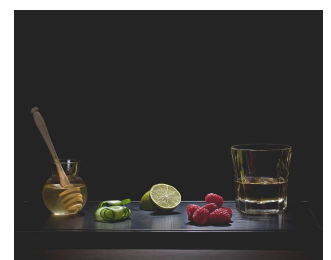
ColorEdge monitor   Conventional monitor

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.

Features

Ideal for video and film production: HDMI

Films are normally recorded at 24 fps. They therefore appear unnatural with the conventional monitor rendering of 60 fps. The monitor supports an image frequency of 24 fps. This means that you can view and edit your film material as it was taken.

The HDMI signals support refresh rates of 60, 50, 30, 25, and 24 Hz. the monitor also supports I/P conversion.

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.
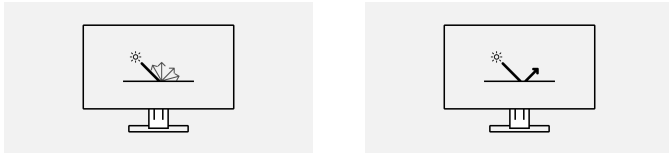
Flicker-free working

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.

Ergonomic and stable: the adjustable base

The CG2730 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.
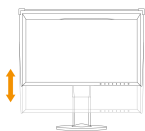
155 mm

Tilt up 35°, tilt down 5°
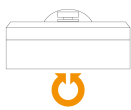
344°
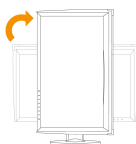
Rotation 90° clockwise

Protection against glare thanks to the monitor hood

The monitor hood reduces reflection and brightness on the screen and helps protect your eyes. It is easy to attach and reduces the amount of light that hits the screen from above and from the sides.

Five-year warranty

In addition to the high demands placed on production and materials, EIZO also places the emphasis on quality assurance in all areas.

Bilddatei "" nicht gefunden!

Colour and brightness warranty

The monitor has a colour and brightness warranty from the purchase date for a maximum of 10,000 hours of operation at a maximum brightness of 120cd/sq m and a colour temperature of between 5,000 and 6,500 K.

Bilddatei "" nicht gefunden!

Features

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 hasa number of different ports. That makes your daily work easier.

Specification

General

Item no.	CG2730
Case colors	Black
Solutions	Photography, design & media
Product line	ColorEdge
EAN	4995047049463

Display

Screen size [in inches]	27
Screen size [in cm]	68.4
Format	16:9
Viewable image size (width x height)	597 x 336
Ideal and recommended resolution	2560 x 1440
Pixel Pitch Horizontal [mm]	0.23 x 0.23
Resolution Supported	2560 x 1440, 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 colors or grayscale	1.07 billion colors (display port, 10 Bit), 1.07 billion colors (HDMI, 10 Bit), 16.7 million colors (display port, 8 Bit), 16.7 million colors (HDMI, 8 Bit), 16.7 million colors (DVI, 8 Bit)
Max. colour space	AdobeRGB (>99%), DCI P3 (>98%), sRGB (100%), Rec709 (100 %), EBU (100 %), SMPTE-C (100 %)
Max. brightness (typical) [in cd/m²]	350
Recommended brightness [in cd/m²]	120
Max. dark room contrast (typical)	1500:1
Typical response time [grey/grey alternation]	13 ms
Max. refresh rate [in hertz]	60
Backlight	LED

Features

Hardware calibration of brightness, white point, and gamma correction	✔ with an integrated or separate measurement sensor.
Integrated sensor for self-calibration	✔
Scheduler function for self-calibration	✔
Color palette / look-up table	278 trillion colour tones / 16 Bit
Temperature colour drift correction	✔
Brightness drift correction	✔
Digital Uniformity Equalizer	✔
No flickering	✔
True Black	✔
Safe Area Marker (HDMI)	✔
I/P conversion (HDMI)	✔
Signal range amplifier (HDMI)	✔
Noise suppression (HDMI)	✔
Colour Blindness Simulation	✔
HDCP Decoder	✔
Gamut Clipping	✔
Preset colour/greyscale modes	Adobe RGB, sRGB, Calibration, Custom
OSD language	de, en, fr, es, it, se, ja, zh
Adjustment options	Brightness, Contrast, Gamma, Colour saturation, Gain, 6 Colors, 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, DUE priority
Button Guide	✔
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	2 x type B
USB downstream ports	3 x type A (1 x 10.5 W battery charging function)
Video Signal	DisplayPort, DVI (TMDS), HDMI (YUV, RGB)
Input Signal Identification	✔

Electric data

Power consumption (typical) [in watt]	33
Maximum Power Consumption [in watt]	95
Power Save Mode [in watt]	0.6
Power Consumption Off [in watt]	0
Energy-efficiency class	B
Annual Energy Consumption [in kWh]	55
Power Supply	AC 100-120 V / 200-240 V, 50/60 Hz
Power Management	DVI-DMPM, DisplayPort Version 1.1a
Integrated power unit	✔

Dimensions & Weights

Dimensions [mm]	638 x 404-559 x 245
Weight [in kilograms]	8.9
Swivel (right/left)	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), TÜV/Colour Accuracy (Quick Stability), FograCert Softproofing System (class A), 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, ColorNavigator Network (upon request)
Additional Supply	Power cord, Signal cable DisplayPort - DisplayPort, Signal cable HDMI - HDMI, USB cable, Quick guide, Calibration certificate, Light protection cover
Accessory	EIZO ScreenCleaner (for the best possible clean without scratching the monitor), HH200HS-K (HDMI (High Definition Multimedia Interface) cable to transfer digital video and audio signals.), PP200-K (DisplayPort cable (200 cm) to transfer digital video and audio signals.), TC-BRACKET3-BK (Thin Client mount in black for EIZO FlexStand 3 stand), ST-USBC-DP-CABLE (Startech signal cable for USB-C™ to DisplayPort connections)
Recommended graphics card	CG2420

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. In addition, the warranty includes the normal wear and tear of the backlight if it is operated at a recommended brightness of 120 cd/sq m and a white point of 5,000 K to 6,500 K. EIZO guarantees this brightness for a term of 3 years from the date of purchase or for 10,000 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.