



[→ Product Website](#)

The EIZO CG2420 impresses by operating on a simple principle: It shows things as they are. This is done by the EIZO microprocessor, which was specifically developed for precise colour reproduction and calibration. The excellent electronics of the CG2420 make optimum use of the wide gamut LCD's potential. The device covers 99% of the Adobe RGB gamut. The ColorEdge screen displays the finest textures and colour nuances and differentiates them from one another. The screen's integrated calibration sensor is perfectly calibrated to the screen and ensures that it displays the right hues. Scheduling makes it possible to carry out fully automatic calibration overnight or during the weekend. This way, the CG2420 is always 'freshly' calibrated and continually displays the desired colours – just as they are.

- ✓ Wide gamut LCD with LED technology, contrast 1,500:1, brightness 400 cd/m²
- ✓ 99% Adobe RGB and 98% DCI-P3 colour range
- ✓ Integrated measurement device and 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 16-bit look-up-table and up to 10-bit 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
- ✓ 5-year warranty for highest investment security

Precision and color accuracy

High-contrast, bright and crisp screen

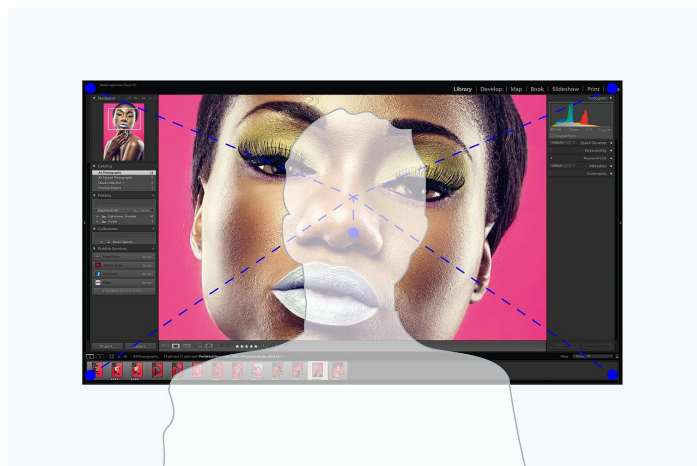
Suitable for softproofing

The EIZO CG2420 fulfills strict softproof requirements based on the ISO 12646 standard. Fogra Forschungsgesellschaft Druck e.V. came to that conclusion in the course of testing the monitor. The CG2420 was therefore awarded the Fogra "FograCert Softproof Monitor" seal of quality. You will therefore be working on a tested, color-proof monitor.

REALISTIC IMAGE DISPLAY

Outstandingly sharp image quality

The monitor has an impressive top resolution (1920 x 1200), a very good contrast ratio of 1500:1 and a brightness of 400 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.



VIVID COLOURS IN LINE WITH INDUSTRY STANDARDS

Wide Gamut

The wide-gamut monitor reliably reproduces 98% of the DCI P3 standard used in digital cinema and also supports the Rec. 2020 standard.

The CG2420 also covers 99% of the Adobe RGB gamut. When images recorded in RAW format are converted to

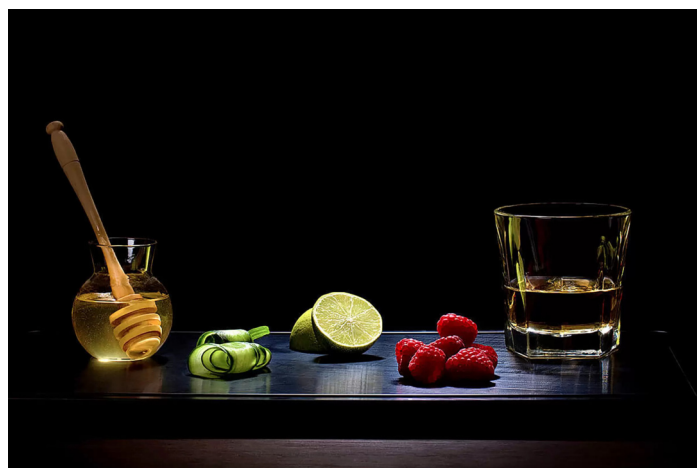
AdobeRGB, the monitor reproduces these with absolute colour fidelity. The EIZO monitor also offers great advantages for printing: It covers almost the entire CMYK gamut (ISO coated and U.S. Web Coated, for example). You see the later print result on screen and save yourself the proof stage.



HIGH-CONTRAST DISPLAY

True Black

With its high contrast ratio, the CG2420 displays deep blacks, which often look pale or washed out on a typical LCD monitor due to the backlight. This is especially true when viewing the monitor from the side in dimly lit rooms. The CG series is equipped with a retardation film for this purpose, which allows for this depth of blacks even at wide viewing angles.



EFFORTLESS COLOR MANAGEMENT

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.

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.



Exemplary image

COLORNAVIGATOR

EIZO software for fast calibration and printing

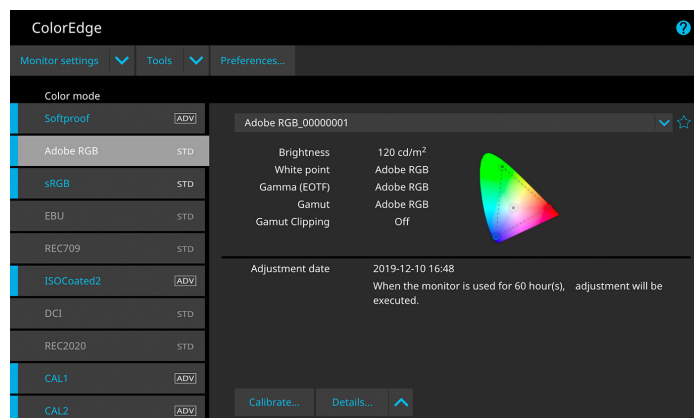
Good image processing is only possible on well-calibrated monitors. The usual software calibration takes a long

time and requires the user to have a certain level of technical expertise. The CG2420 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 CG2420 can also be smoothly integrated into an existing system.

[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.

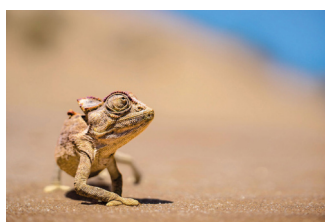
[More information on Quick Color Match](#)



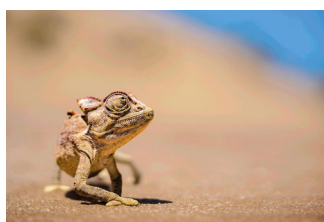
SMOOTH TRANSITIONS AND GRADIENTS

16-bit LUT and 10-bit mode

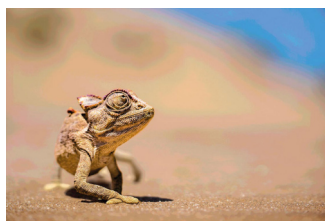
The LUT (look-up-table) on the CG2420 employs internal calculations with 16 bits for an extremely high colour depth and outputs the signals with up to 10 bits. This provides billions of hues for calculating the precise monitor display, effectively preventing display errors caused by the monitor such 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)

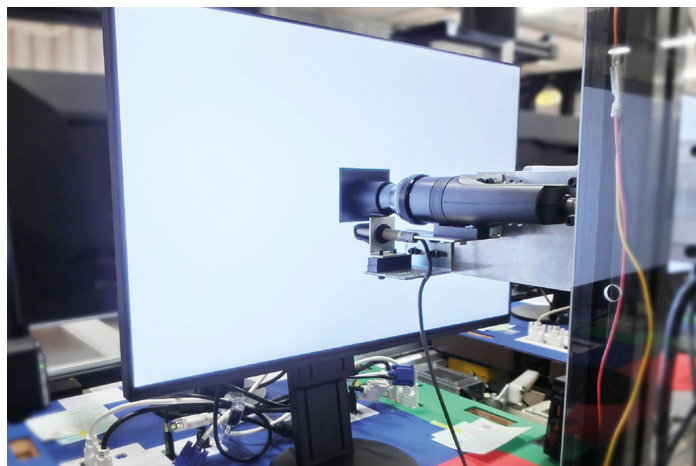


8 bit (LUT: 8 bit)

READY TO USE RIGHT OUT OF THE BOX

Perfect settings right from the factory

Every ColorEdge CG2420 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.



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

INDIVIDUAL FACTORY ADJUSTMENT

Calibration report

Each ColorEdge CG2420 comes with an individual calibration report that shows the measurement results of the factory calibration of the monitor. The report proves the homogeneity, gamma curve, colour space coverage and white point of the monitor.

[More information on the calibration report](#)

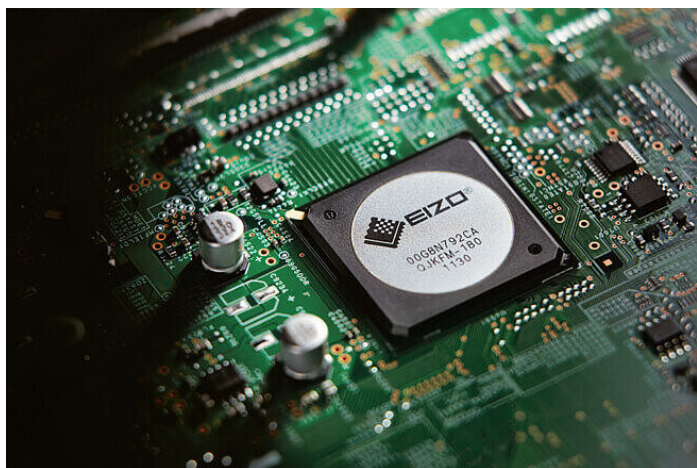
Stable color reproduction in just seven minutes

It takes a traditional monitor a minimum of 30 minutes for the brightness, chromaticity and tone values to stabilise, whereas the ColorEdge CG2420 only needs seven minutes. It means that users know they can reliably trust the colours of the monitor within a short time after switching in on.

FOR OPTIMIZED COLOR REPRODUCTION

EIZO microchip

The CG2420 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.



IDEAL FOR VIDEO AND FILM PRODUCTION

HDMI signals

Films are normally recorded at 24 fps. They therefore appear unnatural with the conventional monitor rendering of 60 Hz. The monitor supports an image frequency

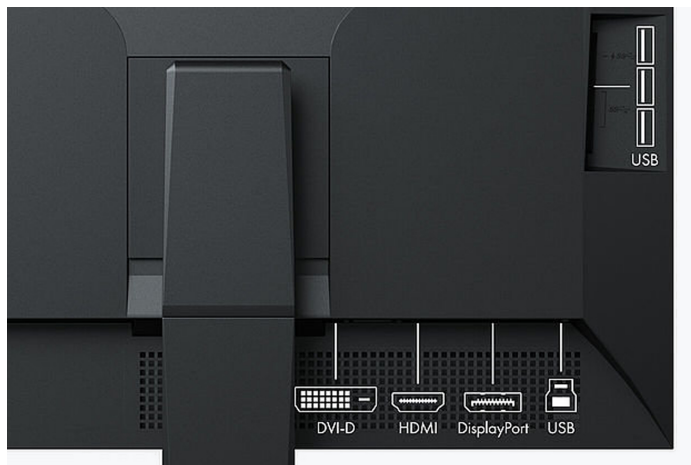
of 24 and 60 Hz. This means that you can view and edit your film material as it was taken.

HDMI signals with refresh rates of 60, 50, 30, 25 and 24 Hz are supported. The monitor also features I/P conversion.

Variety of ports Best connectivity

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.



Ergonomics

Working in a relaxed manner

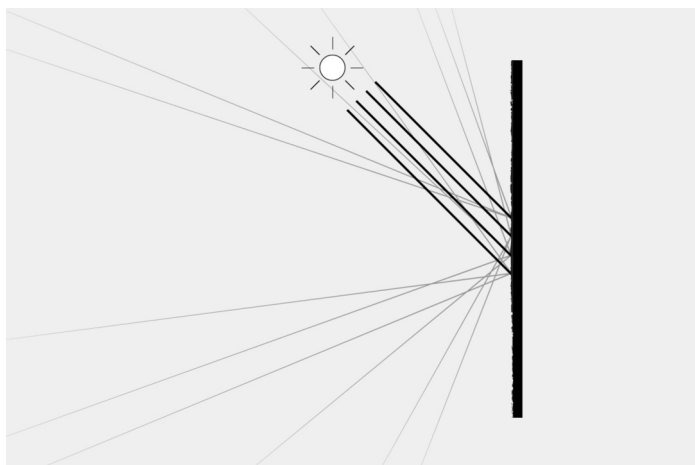
FOR THE SAKE OF THE EYES

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.

Anti-glare coating: more image, less reflection

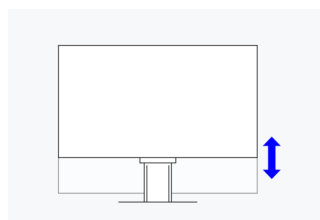
The CG2420 offers a perfect, non-glare surface. By minimising glare by diffusing the reflected light, the CG2420 effectively protects your eyes from straining. This keeps your eyes from getting as tired and allows you to sit comfortably in front of the monitor, without having to sit in a forced position to prevent glare.



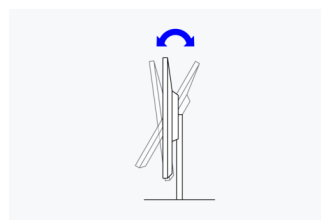
Ergonomic stand

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.

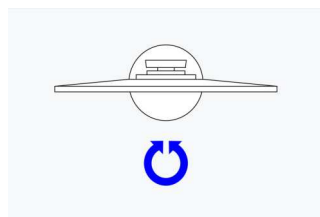
The CG2420 can also be rotated into the portrait format, which is a great advantage for tethered shoots of people in the portrait mode, for example.



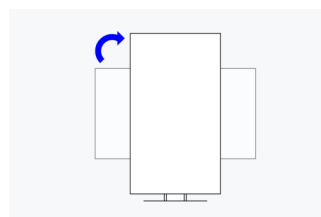
Height
155 mm



Tilt
Between 5° forwards and 35° backwards



Swivel
344°



Rotation
clockwise

PROTECTION AGAINST REFLECTIONS AND GLARE

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.



Sustainability

Environmentally and socially conscious production

Sustainable and durable

The CG2420 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 CG2420 we paid attention to reducing resource consumption by using high-quality components and materials and being meticulous in production.

Socially responsible production

The CG2420 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 committed 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.

Environmentally conscious production

Each CG2420 is manufactured in our own factory, which implements an environmental and energy management system in accordance with ISO 14001 und ISO 50001. This includes measures to reduce waste, wastewater and emissions, resource and energy consumption, as well as to encourage environmentally conscious behavior among employees. We publicly report on these measures on an annual basis.



Warranty

Highest investment security

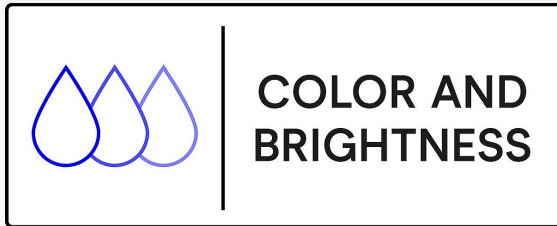
Five-year warranty

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.



Guaranteed brightness and color reproduction

The CG2420 has a color and brightness guarantee for five years from the date of purchase for 10000 operating hours at a maximum brightness of 120 cd/m² and a color temperature between 5000 and 6500 K.



Technical Data

GENERAL		FEATURES & OPERATION	
Item no.	CG2420	Hardware calibration of brightness and luminance characteristics	✓
Case color	Black	Integrated sensor for self-calibration	✓
Areas of application	Photography, Video & Graphics	Scheduled self calibration	✓
Product line	ColorEdge	Preset color/greyscale modes	1x manual memory location, AdobeRGB, sRGB, additional memory spaces through calibration
Areas of application	Photography, image editing and retouching, Video Editing, Post Production and Colour Grading, Design, creation and illustration, Printing and Fine Art Printing	Temperature color drift correction	✓
Specific system requirements	None, compatible with most computers and operating systems including macOS and Windows	Brightness drift correction	✓
EAN	4995047048084	Digital Uniformity Equalizer (homogeneity correction)	✓
SCREEN		No flickering	✓
Screen size [in inches]	24,1	True Black	✓
Screen size [in cm]	61,1	Safe Area Marker	✓
Format	16:10	I/P conversion	✓
Viewable image size (width x height) [in mm]	518,4 x 324	Noise suppression (HDMI)	✓
Ideal and recommended resolution	1920 x 1200	Color Universal Design mode (simulation of color blindness)	✓
Pixel pitch [in mm]	0,27 x 0,27	HDCP Decoder	✓
Pixel density [in ppi]	94	Gamut Clipping	✓
Supported resolutions	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)	Automatic signal input recognition	✓
Panel technology	IPS (Wide Gamut)	On-screen menu languages	de, en, fr, es, it, se
Max. viewing angle horizontal [in °]	178	Adjustment options	Color Mode, Brightness, Contrast, Color temperature /White point, Gamma, Colour tone, Color saturation, 6 Colors, Resolution, Scaling, Color matrix YUV/RGB, Input Range, Menu Rotation, OSD language, Signal input, DUE priority
Max. viewing angle vertical [in °]	178	Button Guide	✓
Number of colors or greyscale	1.07 billion colors (HDMI, 10 Bit), 1.07 billion colors (DisplayPort, 10 Bit), 16.7 million colors (DVI, 8 Bit)	Integrated power unit	✓
Color palette/look-up table	278 trillion color tones / 16 Bit	ELECTRICAL DATA	
Max. color space (typical)	AdobeRGB (>99%), DCI P3 (>98%), ISO Coated V2 (>99%), Rec709 (100%), EBU (100%), SMPTE-C (100%), sRGB (100%)	Frequency	Display Port: 26-78 kHz/24-61 Hz; HDMI: 15-78 kHz/24-61 Hz; DVI-D: 26-78 kHz/24-61 Hz
Max. brightness (typical) [in cd/m²]	400	Power consumption (typical) [in watts]	20
Recommended brightness [in cd/m²]	120	Maximum Power Consumption [in watts]	79 (at maximum brightness with all signal inputs and USB ports in use)
Max. dark room contrast (typical)	1500:1	Max. Power consumption in stand-by mode [in watts]	0.6
Response time grey-grey alternation (typical) [in ms]	10	Power consumption with power switch off [in watts]	0
Max. refresh rate [in Hz]	60	Energy efficiency class	F
Backlight	LED	Energy consumption/1000h [in kWh]	21
CONNECTIONS		Power supply	AC 100-120 V / 200-240 V, 50/60 Hz
Signal inputs	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 B		
USB downstream ports	3 x type A		
Graphic signal	DVI Single Link (TMDS), DisplayPort, HDMI (RGB, YUV)		

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	554 x 396-551 x 245
Weight (incl. stand) [in kg]	7.8
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), TÜV/Color Accuracy (Quick Stability), FograCert Softproofing System (class A), RCM, cTÜVus, FCC-B, CAN ICES-3 (B), TÜV/S, PSE, VCCI-B, RoHS, WEEE, China RoHS, CCC, EAC
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SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	ColorNavigator, ColorNavigator Network
Other box contents	Signal cable HDMI - HDMI, USB cable (Type A - Type B), Signal cable DisplayPort - DisplayPort, Power cord, Calibration report, Manual via download, Quick guide
Accessories	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), CP200 (USB-C to DisplayPort cable)
Light protection cover	✓

WARRANTY

Warranty periode	5 years for unit and LCD module up to 30,000 operating hours, whichever comes first.
Included warranty	A brightness of at least 120 cd/sqm at a colour temperature of 5000 K to 6500 K is guaranteed for a period of 5 years or 10,000 operating hours, whichever comes first., Zero pixel defects guarantee; no fully illuminated sub-pixels (sub-pixels ISO 9241-307) for six months from date of purchase.

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