ColorEdge

THE PRECISION TOOL FOR CREATIVE PROFESSIONALS

Absolute precision, color fidelity and reliability. That's what a ColorEdge graphics monitor from EIZO stands for. Creative professionals around the world rely on it every day to create, view, optimize and bring digital creations to life.

The ColorEdge model range is divided into two series: the CS series and the CG series. The CS series offers the discerning user the perfect basis for professional work. A monitor from the CG series goes one step further. It is the full professional and offers maximum comfort, performance and features.

Features CS series

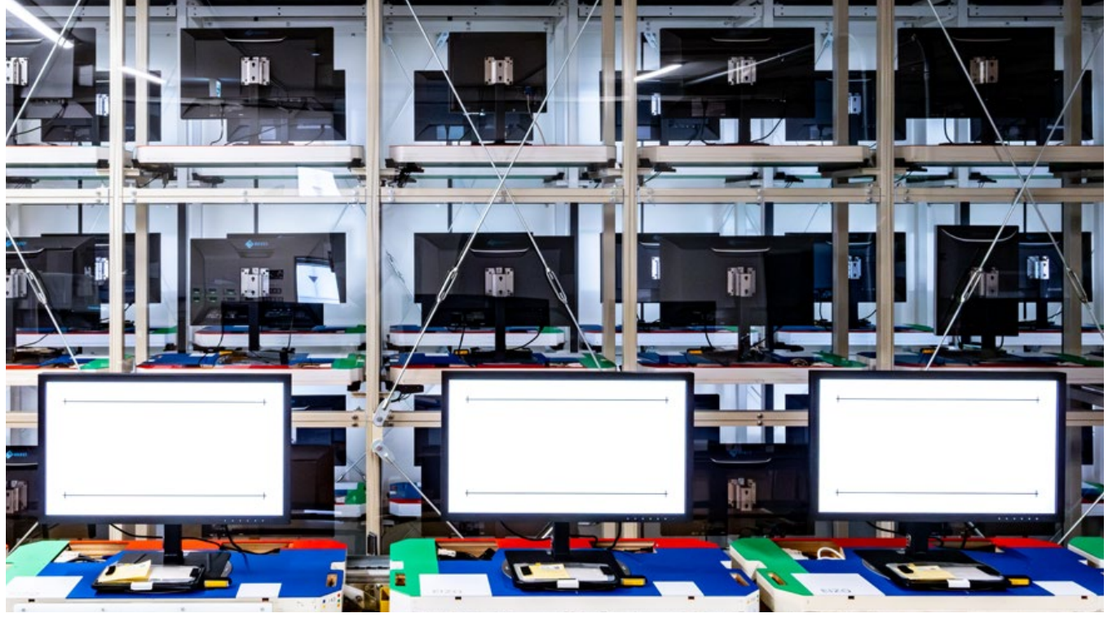
- Large color gamut
- 16-bit LUT for maximum color depth
- 10-bit color display
- Lossless hardware calibration
- Effective anti-reflective coating
- Homogeneous image display thanks to Digital Uniformity Equalizer (DUE)
- EIZO factory calibration
- ColorNavigator calibration software including
- RGB validation
- Ergonomic adjustment options
- 5-year warranty with on-site replacement service

Additional features CG series (selection)

- All features of the CS series
- Integrated sensor for automatic selfcalibration
- 16-bit 3D LUT for maximum color depth
- Richer depths and higher contrasts thanks to True Black Display
- Pre-calibrated presets for Rec.709, Rec.2020, DCI-P3
- Pre-calibrated HDR presets for PQ and HLG
- Additional features for filmmakers such as safe area marker, luminance and gamut warning
- CMYK and RGB validation
- Calibration report
- Fast stabilization of brightness and color
- Monitor hood included

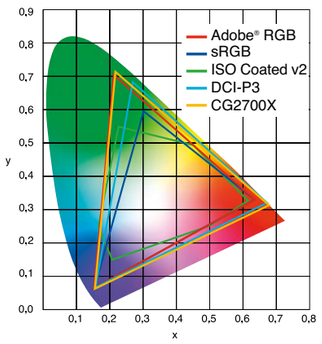
Working with the Best

EIZO



So that you can trust your eyes

As different as the creative requirements and areas of application are, they all have one thing in common: they all need a reliable monitor that guarantees an absolutely precise and unadulterated view of the digital file. In other words: you need a ColorEdge from EIZO.



Large color gamut and maximum precision

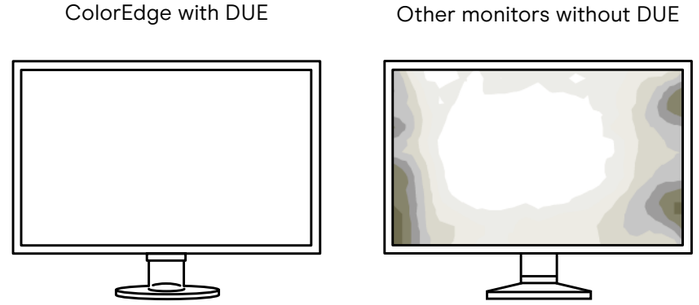
To be able to use the entire color spectrum of modern cameras, you need a monitor that covers the widest possible color gamut. That's why the IPS panel of our ColorEdge monitors covers large photo color gamuts such as AdobeRGB or DCI-P3 as well as the CMYK print color gamut ISO-Coated V2. This means that the full color spectrum of modern cameras is displayed unadulteratedand without gaps. And a precise simulation of the print result in the soft proof view is also guaranteed.

Perfect ex works

Every single ColorEdge monitor is individually measured and optimally adjusted at the factory. For this purpose, the gamma curves of the red, green and blue channels are closely checked and, if necessary, corrected. This elaborate factory calibration is also the reason why recalibration with the ColorNavigator by the user is so quick.

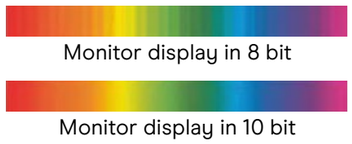
Maximum homogeneity

Each individual monitor panel is precisely measured over its entire surface at the EIZO factory. Any inhomogeneities in brightness and color casts are detected and removed. Identical colors always look the same across the entire surface of the monitor, regardless of where they are displayed. This is the only way to ensure precise image processing and retouching.



Lossless calibration without compromise

Periodic calibration is essential to ensure that a monitor always displays the same file in the same way over its entire service life. All ColorEdge monitors use the lossless hardware calibration process for this purpose. Unlike software calibration, where there is always a risk of loss of display quality, hardware calibration not only creates a correction profile for the graphics card, but also calibrates the LUT (look-up table) of the monitor. In conjunction with the easy-to-use, free ColorNavigator calibration software from EIZO, a ColorEdge monitor can be corrected very easily and without loss.



16-bit LUT and 10-bit mode

The LUT (Look-Up-Table) of ColorEdge monitors calculate internally with an extremely high color depth of at least 16 bits and the panel then outputs the signals with up to 10 bits. This means that billions of color tones are available for calculating the precise monitor display. This effectively prevents display errors caused by the monitor, such as banding or clipping, which result in tonal value breaks in gradients or color casts in the grayscale. Even fine nuances and structures in dark or heavily saturated areas of the image are displayed in a differentiated and detailed manner.

	CS2400R	CS2400S	CS2731	CS2740	CS3200X	CG2400S | CG2400SV	CG2700S	CG2700X	CG3100X
Display									
Type	IPS	IPS	IPS	IPS	IPS	IPS	IPS	IPS	IPS
Screen size	24.1"/61.1 cm	24.1"/61.1 cm	27"/68.5 cm	26.9"/68.4 cm	31.5"/80 cm	24.1"/61.1 cm	27"/68.5 cm	26.9"/68.4 cm	30.5"/77.5 cm
Native resolution	1.920×1.200 (Aspect ratio 16:10)	1.920×1.200 (Aspect ratio 16:10)	2.560×1.440 (Aspect ratio 16:9)	3.840×2.160 4K-UHD (Aspect ratio 16:9)	3.840×2.160 4K-UHD (Aspect ratio 16:9)	1.920×1.200 (Aspect ratio 16:10)	2.560×1.440 (Aspect ratio 16:9)	3.840×2.160 4K-UHD (Aspect ratio 16:9)	4.096×2.160 DCI-4K (Aspect ratio 17:9)
Pixel density	94 ppi	94 ppi	109 ppi	164 ppi	140 ppi	94 ppi	109 ppi	164 ppi	152 ppi
Displayable monitor gamut	USB Type C, DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colours (16 bit)	USB Type C, DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colours (16 bit)	USB Type C, DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colours (16 bit) DVI: 16.77 million from a palette of 278 trillion colours (16 bit)	USB Type C, DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colours (16 bit)	USB Type C, DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colours (16 bit)	USB Type C[4], SDI[5], DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colours (16 bit)	USB Type C, DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colours (16 bit)	USB Type C, DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion colours (16 bit)	USB Type C, DisplayPort, HDMI: 1.07 billion colours from a 24-bit palette
Brightness (typical)	300 cd/m²	410 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²	400 cd/m²	400 cd/m²	500 cd/m²	500 cd/m²
Contrast ratio (typical)	1.000:1	1.350:1	1.000:1	1.000:1	1.300:1	1.800:1	1.600:1	1.450:1	1.800:1
True Black	–	–	–	–	–	◆	◆	◆	◆
Colour range (typical)	sRGB 100%	AdobeRGB 99%	AdobeRGB 99%	AdobeRGB 99%	AdobeRGB (>99%), DCI-P3 (>98%)	AdobeRGB (>99%), DCI-P3 (>98%)	AdobeRGB 99%, DCI-P3 98%	AdobeRGB 99%, DCI-P3 98%	AdobeRGB 97%, DCI-P3 99%
Video signals									
Inputs	USB Type C (with DisplayPort Alt Mode, HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	USB Type C (with DisplayPort Alt Mode, HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	USB Type C (with DisplayPort Alt Mode, HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color), DVI-D (with HDCP)	USB Type C (with DisplayPort Alt Mode, HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	USB Type C (with DisplayPort Alt Mode, HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	USB Type C (with DisplayPort Alt Mode and HDCP)[4], BNC (3G Level A/HD-SDI)[5], DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	USB Type C (with DisplayPort Alt Mode, HDCP) DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	USB Type C (with DisplayPort Alt Mode, HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	USB Type C (with DisplayPort Alt Mode, HDCP), DisplayPort (with HDCP), HDMI with FRL, HDCP, Deep Color
Outputs	–	–	–	–	–	–[4], BNC (3G/HD-SDI through-out (aktiv))[5]	–	–	–
USB									
USB upstream ports	1× Type C, USB 5Gbps (DisplayPort Alt Mode, 70 W power supply), 1× Type B, USB 5Gbps	1× Type C, USB 5Gbps (DisplayPort Alt Mode, 70 W power supply), 1× Type B, USB 5Gbps	1× Type C, USB 5Gbps (DisplayPort Alt Mode, 60 W power supply), 1× Type B, USB 5Gbps	1× Type C, USB 5Gbps (DisplayPort Alt Mode, 60 W power supply), 1× Type B, USB 5Gbps	1× Type C, USB 5Gbps (DisplayPort Alt Mode, 70 W power supply), 1× Type B, USB 5Gbps	1× Type C, USB 5Gbps (DisplayPort Alt Mode, 70 W power supply), 1× Type B, USB 5Gbps[4], 2× Typ B, USB 5Gbps[5]	1× Type C, USB 5Gbps (DisplayPort Alt Mode, 92 W power supply), 1× Type B, USB 5Gbps	1× Type C, USB 5Gbps (DisplayPort Alt Mode, 94 W power supply), 1× Type B, USB 5Gbps	1× Type C, USB 5Gbps (DisplayPort Alt Mode, 94 W power supply), 1× Type B, USB 5Gbps
USB downstream ports	4× Type A (2× USB 5Gbps, 2× USB 2.0)	4× Type A (2× USB 5Gbps, 2× USB 2.0)	4× Type A (2× USB 5Gbps, 2× USB 2.0)	4× Type A (2× USB 5Gbps, 2× USB 2.0)	4× Type A (2× USB 5Gbps, 2× USB 2.0)	4 × Type A (2× USB 5Gbps, 2× USB 2.0)	4× Type A (2× USB 5Gbps, 2× USB 2.0)	4× Type A (2× USB 5Gbps, 2× USB 2.0)	4× Type A (2× USB 5Gbps, 2× USB 2.0)
LAN connection									
	–	–	–	–	–	–	RJ-45 (1000BASE-T)	RJ-45 (1000BASE-T)	RJ-45 (1000BASE-T)
Power supply									
Energy efficiency class	F	E	G	G	E	E[4]	E	G	G
Energy consumption / 1.000 h	19 kWh	16 kWh	36 kWh	38 kWh	27 kWh	16 kWh[4]	18 kWh	35 kWh	51.9 kWh
Calibration									
Built-in calibration sensor and self-calibration	–	–	–	–	–	◆	◆	◆	◆
Light protection hoods									
	◇	◇	◇	◇	◆	◆	◆	◆	◆
Features and functions									
Hardware calibration / 3D look-up table	◆/–	◆/–	◆/–	◆/–	◆/–	◆/◆	◆/◆	◆/◆	◆/◆
Brightness stabilisation	–	–	–	–	–	◆	◆	◆	◆
Digital Uniformity Equalizer	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pre-set modes	Colour modes (sRGB, Calibration, Custom)	Colour modes (Adobe RGB, sRGB, Calibration, Custom)	Colour modes (Adobe RGB, sRGB, Calibration, User)	Colour modes (Adobe RGB, sRGB, Calibration, User)	Colour modes (Adobe RGB, sRGB, BT.709, Display P3, DCI-P3, PQ_DCI-P3, HLG_BT.2100, SYNC_SIGNAL Calibration, User)	Colour modes (Adobe RGB[4],sRGB, BT.2020, BT.709, DCI-P3, PQ_DCI-P3, HLG_BT.2100, PQ_BT.2100[5], Calibration, SYNC_SIGNAL, User)	Colour modes (Adobe RGB, sRGB, BT.2020, BT.709, DCI-P3, PQ_DCI-P3, HLG_ BT.2100, Calibration, SYNC_SIGNAL, User)	Colour modes (Adobe RGB, sRGB, BT.2020, BT.709, DCI-P3, PQ_DCI-P3, HLG_ BT.2100, Calibration, SYNC_SIGNAL, User)	Colour modes (Adobe RGB, sRGB, BT.2020, BT.709, DCI-P3, PQ_DCI-P3, HLG_ BT.2100, Calibration, SYNC_SIGNAL, User)
HDR gamma	–	–	–	HLG, PQ curve (optional)	HLG, PQ curve	HLG, PQ curve	HLG, PQ curve	HLG, PQ curve	HLG, PQ curve
ColorNavigator Network support	◆	◆	◆	◆	◆	◆	◆	◆	◆
CMYRGB colour control	◆	◆	◆	◆	◆	◆	◆	◆	◆
CMYK validation	–	–	–	–	–	◆	◆	◆	◆
Colour temperature setting	◆	◆	◆	◆	◆	◆	◆	◆	◆
LUT system with post-LUT and factory-calibrated pre-LUT	◆	◆	◆	◆	◆	◆	◆	◆	◆
Gamut clipping	◆	◆	◆	◆	◆	◆	◆	◆	◆
DUE priority	◆	◆	◆	◆	◆	◆	◆	◆	◆
DCI 4K trimming	–	–	–	–	–	–	–	◆	–
Safe area marker / Pixel inspection	–/–	–/–	–/–	–/–	–/–	◆/◆	◆/◆	◆/◆	◆/◆
Support for progressive and interlaced signal formats	◆	◆	◆	◆	◆	◆	◆	◆	◆
Signal range extension (HDMI)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Support for YUV signal (DisplayPort and HDMI input)	◆	◆	◆	◆	◆	◆	◆	◆	◆
3D LUT film emulation (support for LogView LUT)	–	–	–	–	–	◆	◆	◆	◆
KVM switch	◆	◆	◆	◆	◆	◆	◆	◆	◆
User-specific button assignment	◆	◆	◆	◆	◆	◆	◆	◆	◆
Operation in portrait and landscape format	◆	◆	◆	◆	–	◆	◆	◆	–
Dimensions (W × H × D, landscape format) / net weight	554.4×396–551×245 mm / 8.1 kg	554.4×396–551×245 mm / 8.2 kg	638×404–559×265 mm / 10.1 kg	638×404–559×265 mm / 10.3 kg	712.7×431.5-573.3×245 mm / 10.6 kg	554.4×408.1–563.1×245 mm / 8.5 kg	638×416–571×245 mm / 9.4 kg	638×416–571×245 mm / 9.8 kg	721×428.1–583.1×290 mm / 12.3 kg
Accessories included									
	Power cord, signal cable (HDMI – HDMI, USB-C – USB-C), USB cable, Set-up Guide, Calibration certificate	Power cord, signal cable (HDMI – HDMI, USB-C – USB-C), USB cable, Set-up Guide, Calibration certificate	Power cord, signal cable (HDMI – HDMI, USB-C – USB-C), USB cable, quick Guide	Power cord, signal cable (DisplayPort – DisplayPort, USB-C – USB-C), USB cable, quick Guide	Power cord, signal cable (HDMI - HDMI, USB-C – USB-C), USB cable, Set-up Guide, Calibration certificate, Light protection hood	Power cord, signal cable (HDMI – HDMI, USB-C – USB-C[4], DisplayPort – DisplayPort [5]), USB cable, Set-up Guide, Calibration certificate, Light protection hood	Power cord, signal cable (HDMI – HDMI, USB-C – USB-C), USB cable, Set-up Guide, Calibration certificate, Light protection hood	Power cord, signal cable (HDMI – HDMI, USB-C – USB-C), USB cable, Set-up Guide, Calibration certificate, Light protection hood	Power cord, signal cable (HDMI – HDMI, USB-C – USB-C), USB cable, Set-up Guide, Calibration certificate, Light protection hood
Quality warranty									
Zero pixel error warranty[1]	◆	◆	◆	◆	◆	◆	◆	◆	◆
Colour and brightness warranty[2]	–	–	–	–	–	◆	◆	◆	◆
Warranty with on-site exchange service[3]	Five years	Five years	Five years	Five years	Five years	Five years	Five years	Five years	Five years

[1]The zero pixel error warranty applies to fully illuminated sub-pixels (partial image elements ISO 9241-307) six months following purchase date.

[2]A brightness of 120 cd/m2 at a colour temperature of 5000 to 6500 K for five years or a monitor usage time of 10,000 hours, whichever is the earlier.

[3]Up to a maximum of 30,000 operating hours.
[4]CG2400S only
[5]CG2400SV only

◆ standard, ◇ optional

EIZO ACADEMY

Because you never stop getting better.

In the EIZO Academy you will find an extensive range of video tutorials, technical articles, seminars and workshops. Accompany us to the Lofoten Islands or through Namibia - in our two video series of the Colourclass series, our experts give you extensive tips on monitor calibration, color management and soft proofing. They also provide in-depth knowledge on numerous photographic topics. You will also find specialist articles with detailed monitor knowledge. You can find everything about the EIZO Academy and the current dates of our seminars, workshops and webinars at: **www.eizo.academy**

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