CHOOSE EIZO.
SEE REALITY.
WORK BETTER.

EIZO ColorEdge CG2420 and CS2420:
The New Generation of 24" Graphics Monitors

SEE REALITY – ColorEdge monitors from EIZO: Precisely designed to meet the needs of creatives in the fields of photography, graphic design, and video postproduction. So you can see how your images really look.

- 24" displays with 1920 × 1200 pixels for ultra-sharp details
- Wide gamut LCD covering 99% of the Adobe RGB color gamut
- Extreme color accuracy thanks to precise hardware calibration of brightness, white balance, and gamma
- Digital Uniformity Equalizer for homogenous luminance distribution and excellent color purity
- Includes ColorNavigator calibration software
- Integrated calibration sensor for automatic self-calibration (CG2420)

ColorEdge® CG2420 and CS2420

The new 24" ColorEdge monitors: In a class all their own.

While the ColorEdge CS2420 represents an affordable introduction to the VIP class of image processing monitors, the ColorEdge CG2420 meets the needs of the most sophisticated users with its built in calibration sensor and light protection shield (included in the delivery).

Outstanding image quality

The CG2420 and CS2420 stand out thanks to clear graphics and structures as well as sharp text contours. Their IPS-LCD panels have a 16:10 aspect ratio and guarantee contrast and hues that are independent of the viewing angle. The backlight is achieved by using state-of-the-art, energy-saving LED technology.

Wide gamut

The gamut of the new 24-inch ColorEdge monitors includes far more colors than traditional LCD screens. The monitors cover up to 99% of the large Adobe RGB gamut, meaning you can realize your camera's full potential.

High resolution look-up-table

Thanks to their 16-bit look-up-table, the monitors can resolve image signals with an accuracy of 1/65 thousandths. Subtle color nuances and image structure are not lost, particularly in the case of dark hues.

Precise calibration

The ColorNavigator software included in the delivery has direct access to the monitor's look-up-table during calibration (hardware calibration). This enables the user to set color temperature, brightness, blackness, and hue curve to suit their requirements. Calibration is based on factory calibration and is one-of-a-kind in terms of precision and speed.

The CG2420 features an internal calibration sensor that is integrated into the bezel. It is precisely calibrated to each individual screen. It facilitates automatic calibration, which saves the user lots of time. An external measurement sensor (sold separately) is recommended for the CS2420.

Digital Uniformity Equalizer (DUE)

The DUE ensures absolute color purity and even brightness distribution across the entire display surface. A chip automatically adjusts for irregularities. While other LCDs are optimized at best for the homogeneity of a white surface, EIZO makes every hue look the same across the entire screen. The DUE ensures precisely matching colors from the center all the way to the outermost edges of the screen.

Consistent hue curve and colors

The brightness level of LCDs varies from module to module depending on the image signal and the color mixing (addition) of red, green, and blue. Consequently, every single EIZO ColorEdge is precisely calibrated in the factory; its gamma curve is precalibrated in the process. This ensures that a consistent color temperature is attained throughout the entire grayscale range. The result: The color reproduction is identical, precise, and reliable for all ColorEdge monitors.

True Black

The True Black LCD panel of the CG2420 guarantees an excellent contrast ratio of 1,500:1 and deep color tones, even in dim lighting and at a slanted viewing angle.

Slender housing design

The new model has a noticeably thinner housing. The edge of the housing is 39 percent thinner in comparison to that of its predecessors. The illuminated sensor buttons are another new feature. These allow you to operate the monitor's functions.

Versatile connection options

Both ColorEdge monitors feature DVI-D, HDMI, and DisplayPort inputs. An integrated 3.0 USB hub allows you to connect peripheral devices. One of the three USB ports can be used as a quick charge port for battery-powered devices, such as smartphones.

EIZO COLOREDGE	CG2420	CS2420
Diagonal [inches/cm/aspect ratio]	61/24/16:10	61/24/16:10
Visible image size, width × height [mm]	518 × 324	518 × 324
Visible diagonal [mm]	611	611
Ideal and recommended resolution	1,920 × 1,200	1,920 × 1,200
Dot pitch [mm]	0.27 × 0.27	0.27 × 0.27
Displayable colors [in millions]	1 billion (10-bit) DisplayPort and HDMI 16.7 million (8-bit) DVI	1 billion (10-bit) DisplayPort and HDMI 16.7 million (8-bit) DVI
Color control	16-bit look-up-table 48-bit (3 × 16-bit) Approx. 278 billion hues	16-bit look-up-table 48-bit (3 × 16-bit) Approx. 278 billion hues
Max. color range	Adobe RGB: 99%, DCI-P3: 98% ISO Coated V2: 99%, sRGB: 100%, Rec709: 100%, EBU: 100%, SMPTE-C: 100%,	Adobe RGB: 99%, ISO Coated V2: 99%, sRGB: 100%, Rec709: 100%, EBU: 100%, SMPTE-C: 100%, DCI: 95.4%
Max. brightness [cd/m²]	400	350
Max. dark room contrast	1,500:1	1,000:1
Max. viewing angle [horizontal/vertical]	178°/178°	178°/178°
LCD technology	IPS	IPS
Typical reaction time (typical) [ms]	10 (gray–gray)	15 (gray–gray)
Features	Hardware calibration of brightness, white balance, and gamma adjustment, wide gamut, True Black, integrated measurement device for self-calibration, 16-bit look-up-table (48-bit R+G+B), Digital Uniformity Equalizer, temperature-color-drift calibration, safe area marker (HDMI), I/P conversion (HDMI), pseudo-interlaced (HDMI), signal range extension (HDMI), noise reduction (HDMI), RGB and CMYK gamut emulation, Color Universal Design mode (simulating color blindness), HDCP decoder, USB V3.0, powered hub.	Hardware calibration of brightness, white balance, and gamma adjustment with optional measurement device, wide gamut, 16-bit look-up-table (48-bit R+G+B), Digital Uniformity Equalizer, I/P conversion (HDMI), signal range extension (HDMI), noise reduction (HDMI), RGB and CMYK gamut emulation, Color Universal Design mode (simulating color blindness), HDCP decoder, USB V2.0, powered hub.
Configuration options	Brightness, contrast, gamma 1 to 2.6, step size 0.1, color saturation for RGBCMY, color temperature 4,000 to 10,000 K, gamut clipping, DUE priority, OSD language (DE, UK, FR, SE, ES, IT)	Brightness, contrast, gamma 1 to 2.6, step size 0.1, color saturation for RGBCMY, color temperature 4,000 to 10,000 K, gamut clipping, DUE priority, OSD language (DE, UK, FR, SE, ES, IT)
Resolutions	Max. 1920 × 1200 full image 1:1, HDMI 60 Hz: VGA, 480i, 480p, 1080i, 720p, 1080p, 1200p, HDMI 50 Hz: 576i, 576p, 1,080i, 720p, 1080p, 1200p, HDMI 30 Hz/25 Hz/24 Hz: 1080p	Max. 1920 × 1200 full image 1:1, HDMI 60 Hz: VGA, 480i, 480p, 1080i, 720p, 1080p, 1200p, HDMI 50 Hz: 576i, 576p, 1080i, 720p, 1080p, 1200p, HDMI 30 Hz/25 Hz/24 Hz: 1080p
Horizontal frequency [kHz]	26–78 DisplayPort and DVI, 15–78 HDMI	26–78 DisplayPort and DVI, 15–78 HDMI
Vertical frequency [Hz]	47.5–86 Hz DisplayPort and DVI, 24–61 Hz HDMI	47.5–86 Hz DisplayPort and DVI, 24–61 Hz HDMI
Video bandwidth, digital [MHz]	164	164
Graphic signals	DisplayPort, DVI (TMDS), HDMI (YUV and RGB)	DisplayPort, DVI (TMDS), HDMI (YUV and RGB)
Signal inputs	DisplayPort, DVI-D, HDMI	DisplayPort V1.1a, DVI-D, HDMI
Plug & Play	VESA DDC 2b	VESA DDC 2b
Power Management	DisplayPort V1.1a, DVI-DMPM	VESA DPMS, DVI-DMPM
Power consumption	max.* 79 W, 20 W typical power consumption, max. 0.6 W in standby mode, 0 W when turned off	max.* 92 W, 26 W typical power consumption, max. 0.6 W in standby mode, 0 W when turned off
Energy efficiency category	A	B
Annual energy consumption [kWh]	33	41
Dimensions (W × H × D) [cm]	55 × (40–55) × 25	55 × (40–55) × 25
Weight [kg]	7.8	7.8
Test marks	CE, TÜV GS, TÜV certified ergonomics, ISO 9241-307 pixel fault class 1**	CE, TÜV GS, TÜV certified ergonomics, ISO 9241-307 pixel fault class 1**
Flexibility	172° right/left, 35° to the back, -5° to the front, 90° rotatable, 15 cm height adjustment	172° right/left, 35° to the back, -5° to the front, 90° rotatable, 15 cm height adjustment
USB hub	1 upstream/3 downstream, rev. 3.0	1 upstream/3 downstream, rev. 3.0
Accessories included	Manual in DE, UK, FR, ColorNavigator, power, USB, and signal cable for Mini DisplayPort and DVI-D, light protection shield	Manual in DE, UK, FR, ColorNavigator, power, USB, and signal cable for Mini DisplayPort and DVI-D
Optional accessories	–	Light protection shield (CH2400), EX3 (calibration device)
Service	5-year on-site replacement service***	5-year on-site replacement service***

Light protection shield (CH2400)

The CH2400 light protection shield is included with the CG2420. It can also be purchased as an accessory for the CS2420.

EX3 calibration device.

The CS2420 can be calibrated using the EX3 external calibration sensor (sold separately).

5-year warranty

At EIZO we manufacture all our products in our own factories, which means we can monitor and ensure the quality of production activities from start to finish. We therefore have absolute confidence in the reliability of our monitors. As a result, we offer an extended warranty that covers all of the monitor's components, including the LCD panel. And it's valid for five whole years.

* At maximum brightness and when both signal inputs and USB hub are in operation
** Zero pixel error guarantee for fully illuminated sub-pixels (partial image elements as per ISO 9241-307). Valid: six months from the date of purchase.
*** The duration of the warranty for the LCD panel is five years from the date of purchase or a monitor usage time of 30,000 hours, whichever occurs first.