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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

Technical Data

GENERAL

Item no.	CG2420
Case color	Black
Areas of application	Photography, Video & Graphics
Product line	ColorEdge
Areas of application	Photography, image editing and retouching, Video Editing, Post Production and Colour Grading, Design, creation and illustration, Printing and Fine Art Printing
EAN	4995047048084

SCREEN

Screen size [in inches]	24,1
Screen size [in cm]	61,1
Format	16:10
Viewable image size (width x height) [in mm]	518,4 x 324
Ideal and recommended resolution	1920 x 1200
Pixel pitch [in mm]	0,27 x 0,27
Pixel density [in ppi]	94
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)
Panel technology	IPS (Wide Gamut)
Max. viewing angle horizontal	178
Max. viewing angle vertical	178
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)
Color palette/look-up table	278 trillion color tones / 16 Bit
Max. color space (typical)	AdobeRGB (>99%), DCI P3 (>98%), ISO Coated V2 (>99%), Rec709 (100%), EBU (100%), SMPTE-C (100%), sRGB (100%)
Max. brightness (typical) [in cd/m ²]	400
Recommended brightness [in cd/m ²]	120
Max. dark room contrast (typical)	1500:1
Response time grey-grey alternation (typical) [in ms]	10
Max. refresh rate [in Hz]	60
Backlight	LED

CONNECTIONS

Signal inputs	HDMI (Deep Color, HDCP 1.4), DisplayPort (HDCP 1.3), 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)

FEATURES & OPERATION

Hardware calibration of brightness and luminance characteristics	✓
Integrated sensor for self-calibration	✓
Scheduled self calibration	✓
Preset color/greyscale modes	1x manual memory location, AdobeRGB, sRGB, additional memory spaces through calibration
Temperature color drift correction	✓
Brightness drift correction	✓
Digital Uniformity Equalizer (homogeneity correction)	✓
No flickering	✓
True Black	✓
Safe Area Marker	✓
I/P conversion	✓
Signal range amplifier (HDMI)	✓
Noise suppression (HDMI)	✓
Color Universal Design mode (simulation of color blindness)	✓
HDCP Decoder	✓
Gamut Clipping	✓
Automatic signal input recognition	✓
On-screen menu languages	de, en, fr, es, it, se
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
Button Guide	✓
Integrated power unit	✓

ELECTRICAL DATA

Frequency	Display Port: 26-78 kHz/24-61 Hz; HDMI: 15-78 kHz/24-61 Hz; DVI-D: 26-78 kHz/24-61 Hz
Power consumption (typical) [in watts]	20
Maximum Power Consumption [in watts]	79 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	0.6
Power consumption with power switch off [in watts]	0
Energy efficiency class	F
Energy consumption/1000h [in kWh]	21
Power supply	AC 100-120 V / 200-240 V, 50/60 Hz

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	344
Tiltability	5 / 35
Pivot between portrait / landscape	90° (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 Network, ColorNavigator
Other box contents	Calibration report, Signal cable HDMI - HDMI, USB cable (Type A - Type B), Signal cable DisplayPort - DisplayPort, Manual via download, Power cord, Quick guide
Accessories	PM200-K, CP200, EX4
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.