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## 30.5" DCI-4K graphics monitor

The ColorEdge CG3100X is the top model in the ColorEdge series. With a generous screen diagonal of 30.5 inches and DCI-4K resolution (4096 × 2160 pixels), it meets all the requirements of professional users in film post-production, color grading, and image editing. Thanks to pre-installed PQ and HLG HDR presets and a maximum brightness of 500 cd/m<sup>2</sup>, the CG3100X can be seamlessly integrated into modern HDR workflows. Photographers, content creators, and digital artists benefit from the generous 17:9 format, which offers plenty of space for creative expression with a razor-sharp detail resolution of 152 ppi. The wide color gamut coverage of common standard color spaces such as Rec709, Rec2020, DCI-P3, and AdobeRGB, as well as the 24-bit 3D LUT, ensure realistic and high-contrast color reproduction with maximum precision. The CG3100X also impresses in terms of connectivity: Notebooks can be connected via USB-C with just one cable – including image and data transfer as well as power supply with up to 94 watts. In addition to a DisplayPort connection, there is also a powerful HDMI connection that even supports uncompressed DCI 4K (4:4:4) material in 12 bits at up to 60 Hz – ideal for HDMI-based production environments. An integrated calibration sensor enables effortless, automatic self-calibration, while the RJ45 LAN port, USB hub, and included light shield round out the CG3100X's professional features.

- ✓ 30.5-inch Wide Gamut LCD with 4096 x 2160 pixels (DCI-4K)
- ✓ Wide color gamut with 99% DCI-P3 and 97% AdobeRGB color space coverage
- ✓ 500 cd/m<sup>2</sup> maximum brightness, 1800:1 contrast ratio thanks to True Black technology
- ✓ 10-bit display, 24-bit 3D Look-Up-Table and integrated sensor for fully automatic self-calibration
- ✓ Digital Uniformity Equalizer for perfect luminance distribution and color purity
- ✓ HDR targets for HDR-HLG and HDR-PQ EOTF
- ✓ USB-C input (DisplayPort signal and up to 94 watts of power delivery)
- ✓ HDMI input (including FRL), supports 12-bit 4:4:4 in DCI-4K, DisplayPort up to 10-bit 4:4:4
- ✓ RJ-45 LAN connection, USB hub with four USB downstream connections, two of which are 5Gbps (USB 3) and two USB 2
- ✓ 5-year warranty for highest investment security

## Technical Data

### GENERAL

Item no.	CG3100X
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, Textile and fashion industry
Specific system requirements	None, compatible with most computers and operating systems including macOS and Windows
EAN	4995047068495

### SCREEN

Screen size [in inches]	30,5
Screen size [in cm]	77,5
Format	17:9
Viewable image size (width x height) [in mm]	685,7 x 361,6
Ideal and recommended resolution	4096 x 2160 (4K DCI)
Pixel pitch [in mm]	0,167 x 0,167
Pixel density [in ppi]	152
Supported resolutions	4096 x 2160 (4K DCI), 3840 x 2160 (4K UHD), 2560 x 1600, 2560 x 1440, 2560 x 1440 (@ 30 Hz), 1920 x 1200, 1680 x 1050, 1600 x 1200, 1280 x 1024, 1024 x 768, 800 x 600, 720 x 400, 640 x 480, 1080p (@ 60 Hz), 1080i (@ 60 Hz), 1080p (@ 50 Hz), 1080i (@ 50 Hz), 1080p (@ 30/25/24 Hz), 720p (@ 60 Hz), 720p (@ 50 Hz), 576p (@ 60 Hz), 576p (@ 50 Hz), 480i (@ 60 Hz)
Panel technology	IPS (Wide Gamut)
Max. viewing angle horizontal [in °]	178
Max. viewing angle vertical [in °]	178
Number of colors or greyscale	1.07 billion colors (USB-C, 10-bit), 1.07 billion colors (HDMI, 10 Bit), 1.07 billion colors (DisplayPort, 10 Bit)
Color palette/look-up table	More than 278 trillion color tones / 24 Bit 3D-LUT
Max. color space (typical)	AdobeRGB (>97%), DCI P3 (99%), ISO Coated V2 (>99%), Rec709 (100%), EBU (100%), SMPTE-C (100%), sRGB (100%)
Color space presets	DCI-P3, BT.2020, BT.709, sRGB, AdobeRGB
HDR Gamma	PQ, HLG
EOTF presets	HLG, PQ, EBU(2,35), sRGB, Gamma 1.6-2.7
Max. brightness (typical) [in cd/m <sup>2</sup> ]	500
Recommended brightness [in cd/m <sup>2</sup> ]	120
Max. dark room contrast (typical)	1800:1
Color temperature presets	DCI, D65, D65(CRT), D50, Native, User, 4000-10000 K
Response time grey-grey alternation (typical) [in ms]	15
Backlight	Wide Gamut LED

### FEATURES & OPERATION

USB-C docking	✓
LAN/RJ-45	✓
KVM switch	✓
Hardware calibration of brightness and luminance characteristics	✓
Integrated sensor for self-calibration	✓
Scheduled self calibration	✓
Preset color/greyscale modes	BT.2020, BT.709, HLG BT.2100, AdobeRGB, DCI-P3, PQ DCI-P3, 2x manual memory locations, sRGB, Sync Signal
Temperature color drift correction	✓
Brightness drift correction	✓
Digital Uniformity Equalizer (homogeneity correction)	✓
Overdrive	✓
No flickering	✓
True Black	✓
3D LUT film emulation (10 bit log)	✓
Safe Area Marker	✓
I/P conversion	✓
RGB and CMYK colour space emulation	✓
HDCP Decoder	✓
Gamut warning	✓
Luminance warning	✓
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, HLG system gamma, Colour tone, Color saturation, Resolution, Scaling, Color matrix YUV/RGB, Input Range, Black level, Zoom, BT.709 color space warning, Markers (safe area marker, safe area size, format marker, format adjustment, bezel color), Custom key, Monitor reset, OSD language, Signal input, Key lock, DUE priority
Button Guide	✓
Integrated power unit	✓

## CONNECTIONS

Signal inputs	USB-C (DisplayPort Alt Mode, HDCP 2.3), DisplayPort (HDCP 2.3), HDMI (Deep Color, HDCP 2.3)
USB specification	USB 5Gbps (USB 3)
USB upstream ports	1 x type C (DisplayPort Alt Mode, 94 W max.), 1 x type B
USB downstream ports	4 x Typ A ( 2 x 5Gbps (USB 3), 2 x USB 2)
Network connection	RJ-45
LAN standards	IEEE802.3ab (1000BASE-T)
Graphic signal	USB-C, DisplayPort, HDMI (RGB, YUV)
Audio input	USB-C, DisplayPort, HDMI
Audio / headphone output	3.5 mm stereo jack

## ELECTRICAL DATA

Frequency	USB Type-C, DisplayPort: 25 - 137 kHz, 23 - 61 Hz; HDMI: 15 - 136 kHz, 23 - 61 Hz
Power consumption (typical) [in watts]	86
Maximum Power Consumption [in watts]	270 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	0.5
Power consumption with power switch off [in watts]	0
Energy efficiency class	G
Energy consumption/1000h [in kWh]	52
Power supply	AC 100-240V, 50/60Hz
Max. USB-C Power Delivery [in Watt]	94
Power Management	✓

## DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	721 x 428,1 - 583,1 x 290
Weight (incl. stand) [in kg]	12,3
Dimensions (without stand) (width x height x depth) [in mm]	721 x 413,9 x 87,2
Weight (without stand) [in kg]	8,9
Dimension drawing (PDF)	<a href="#">Dimension drawing (PDF)</a>
Rotatability of the stand [in °]	344
Tiltability forwards/backwards [in °]	5 / 35
Height adjustment range [in mm]	155
Hole spacing	100 x 100

## CERTIFICATION & STANDARDS

Certification	CE, UKCA, CB, TÜV/GS, TÜV/Ergonomics (including ISO 9241-307), FograCert Softproofing System (class A), RCM, cTÜVus, FCC-B, CAN ICES-3 (B), TÜV/S, PSE, VCCI-A, RoHS, WEEE
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Find your EIZO contact:  
EIZO Europe GmbH  
Belgrader Straße 2  
41069 Mönchengladbach  
Phone: +49 2161 8210-0  
[www.eizo.eu](http://www.eizo.eu)

## SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	ColorNavigator, ColorNavigator Network
Other box contents	Signal cable HDMI - HDMI, USB/signal cable (USB-C - USB-C), USB cable (Type A - Type B), 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.), CP200 (USB-C to DisplayPort cable), PP200-K (DisplayPort cable)
Light protection cover	✓

## WARRANTY

Warranty period	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.