ColorEdge CG3100X

Technical Data

CONNECTIONS

Signal inputs	[illegible]
Case color	[illegible]
USB specification	[illegible]
Area of application	[illegible]
USB upstream ports	[illegible]
Product line	[illegible]
USB downstream ports	[illegible]
Area of application	[illegible]
Network connection	[illegible]
LAN standards	[illegible]
Graphic system requirements	[illegible]
Audio input	[illegible]
LAN	[illegible]
Audio / headphone output	3.5 mm stereo jack

SCREEN

ELECTRICAL DATA

Screen size (in inches)	30.5
Frequency	USB Type-C, DisplayPort: 25 - 137 kHz, 23 - 61 Hz; HDMI: 15 - 136 kHz, 23 - 61 Hz
Screen size (in cm)	77.5
Power consumption (typical) (in watts)	95
Viewable image size (width x height)	685.7 x 361.6
Maximum Power Consumption (in watts)	270 (at maximum brightness with all signal inputs and [illegible])
Ideal and recommended resolution	4096 x 2160 (4K DCI)
Max. Power consumption in stand-by mode (in watts)	0.5
Pixel pitch (in mm)	0.167 x 0.167
Power consumption with power switch off (in watts)	0
Supported resolutions	1600, 2560 x 1440, 2560 x 1440 @ 30 Hz), 1920 x 1200, [illegible]
Energy efficiency class	[illegible]
Energy consumption /1000h (in kWh)	132.00, 720 x 480 (640 x 480 [illegible]), 1280 x 1024 (1280 x 960 [illegible]), 1366 x 768 (1280 x 720 [illegible]), 1600 x 1200 (1920 x 1080 [illegible]), 1920 x 1080 (1920 x 1200 [illegible]), 2560 x 1440 (2560 x 1600 [illegible]), 3840 x 2160 (4096 x 2160 [illegible])
Power supply	100-240 V, 50/60 Hz, 1.5 A
Wide Color Gamut coverage	99 %
Panel technology	IPS (Wide Gamut)
Backlight system	[illegible]
Max. viewing angle horizontal (in °)	178

DIMENSIONS & WEIGHT

Weight (in kg)	22
Dimensions (without stand) (width x height x depth) (in mm)	721 x 361.6 x 19.9
Weight (without stand) (in kg)	16.5
Dimension drawing (PDF)	Dimension drawing (PDF)
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certifications	CE, UKCA, GB, TÜV-GS, TÜV/FE ergonomics (including ISO 9241-307), FograCert Softproofing System (class A), RCM, cTÜVus, FCC-B, CAN ICES-3 (B), TÜV/S, PSE, [illegible]
Backlight	Wide Gamut LED

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SOFTWARE & CONNECTIVITY

Color management software	✓ ColorNavigator, ColorNavigator Network
Gamut mapping software	✓
USB RJ-45	✓
Cable accessories	✓ Signal cable HDMI - HDMI, USB signal cable (USB-C - USB-C), USB cable (Type A - Type B), Power cord
Hardware calibration	✓ Calibration report, Manual via download, Quick guide
Hardware calibration instrument	✓
Integrated sensor	✓ Integrated calibration sensor for ColorEdge monitors in conjunction with the ColorNavigator 7 color management software), CP200 (USB-C to DisplayPort cable), PP200-K (DisplayPort cable)
Calibration with calibration software	✓
Light probe compatible	✓
Preset color/greyscale modes	BT.2020, BT.709, HLG, BT.2100, AdobeRGB, DCI-P3, PQ, DCI-P3, 2x manual memory locations, sRGB, Sync Signal

WARRANTY

Warranty period	5 years for unit and LCD module up to 30,000 operating hours, whichever comes first.
Implement color drift correction	✓
Brightness drift correction 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-pixel defects) for a period of 5 years from date of purchase.
Digital Uniformity Equalizer (homogeneity correction)	✓
Overdrive	✓
No flickering	✓
True Black	✓
3D LUT film emulation (10 bit log)	✓
Safe Area Marker	✓
VP conversion	✓
RGB and CMYK colour spaces simulation	✓
PDCP Decoder	✓
Gamut warning	✓
Luminance warning	✓
Prime Panel	✓
Accessories in the scope of delivery	Power cable, Signal cable, USB cable
On-screen menu languages	English, French, [illegible]
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)
Function menu	Brightness, Contrast, Image, Signal Input, Key lock, DUE priority
Button block	✓
Integrated power unit	✓

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 HDR and HLG HDR presets and a maximum brightness of 500 cd/m², 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 ample 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 Rec.709, Rec2020, DCI-P3, and AdobeRGB, as well as the 34-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 a single 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 12-bit resolution 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
- Wide color gamut with 99% DCI-P3 and 97% AdobeRGB color space coverage
- 500 cd/m² maximum brightness, 1800:1 contrast ratio
- Thanks to True Black technology
- 34-bit 3D look-up table and integrated calibration 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

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