ColorEdge **CG3200X**



→ **Product Website** → **Experience in AR**

32" OLED Monitor for Color Grading

The ColorEdge CG3200X is a specialist for professional color grading in HDR and SDR. It fully leverages the advantages of QD-OLED panel technology. With 1,000 cd/m² peak brightness, a 1,500,000:1 contrast ratio, and 99% DCI-P3 coverage, it delivers the precision required for color grading: the finest details in the shadows, highlights without clipping, and natural midtones. While conventional OLED monitors dim the entire image when large areas are bright—often distorting colors in the process—the CG3200X overcomes this weakness with innovative ABL control that allows for a higher brightness threshold. Should dimming still be necessary, the colorist can choose between Highlight Dimming (which dims and clips only the brightest areas) and Uniform Dimming (which dims the entire image evenly) without compromising the precision of the image display. ABL Safe View displays critical highlights in a 25% or 10% window, usually without dimming, to allow for an assessment of a scene's appearance without the influence of ABL. For processing SDR material, the contrast can be freely adjusted between 500:1 and 2000:1. The integrated calibration sensor ensures stable color reproduction over the long term. A special correction circuit reduces color fringing artifacts along high-contrast edges.

- 32-inch Wide Gamut QD-OLED with 3840 x 2160 pixels (4K UHD), 16:9 aspect ratio
- 99% DCI-P3 color gamut coverage
- 1000 cd/m² maximum brightness (full-screen white: 300 cd/m²), deep blacks with a 1,500,000:1 contrast ratio
- 24-bit Look-Up-Table and built-in sensor for fully automatic self-calibration
- HDR targets for HDR-HLG and HDR-PQ EOTF
- Calibrated presets for: BT.709, sRGB, DCI-P3, Display P3, PQ_BT.2100, PQ_DCI-P3, HLG_BT2100
- USB-C input (DisplayPort signal and up to 60 watts of Power Delivery) and DisplayPort input
- AGLR anti-glare (Anti-Glare, Low-Reflection)

Technical Data

GENERAL

Item no.	CG3200X
Case color	Black
Areas of application	Photography, Video & Graphics
Product line	ColorEdge
Areas of application	Video Editing, Post Production and Colour Grading
Specific system requirements	None, compatible with most computers and operating systems including macOS and Windows
EAN	4995047071549

SCREEN

Screen size [in inches]	31,5
Screen size [in cm]	79,9
Format	16:9
Viewable image size (width x height) [in mm]	696,6 x 391,8
Ideal and recommended resolution	3840 x 2160 (4K UHD)
Pixel pitch [in mm]	0,181 x 0,181
Pixel density [in ppi]	140
Supported resolutions	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	QD-OLED + AGLR (Anti-Glare, Low-Reflection)
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 LUT
Max. color space (typical)	AdobeRGB (94%), DCI P3 (99%), sRGB (100%)
Color space presets	DCI-P3, BT.2020, BT.709, sRGB
YUV transfer matrix	BT.2020, BT.709, BT.601, Auto
HDR Gamma	PQ, HLG
EOTF presets	HLG, PQ, EBU(2,35), sRGB, Gamma 1.6-2,7
Max. brightness (typical) [in cd/m²]	300
Max. dark room contrast (typical)	1500000:1
Color temperature presets	DCI, D65, D50, Native, User, 4000-10000 K
Response time grey-grey alternation (typical) [in ms]	0.1

FEATURES & OPERATION

USB-C docking	✓
KVM switch	✓
Hardware calibration of brightness and luminance characteristics	✓
Integrated sensor for self-calibration	✓
Scheduled self calibration	✓
Preset color/greyscale modes	Display P3, BT.709, HLG BT.2100, PQ BT.2100, DCI-P3, PQ DCI-P3, 1x manual memory location, sRGB, additional memory spaces through calibration
No flickering	✓
Pixel Inspection	✓
Safe Area Marker	✓
I/P conversion	✓
ABL-Priority (Highlight Dimming / Uniform Dimming)	✓
ABL-Safe View	✓
Color Fringe Reduction	✓
HDCP Decoder	✓
Gamut warning	✓
Luminance warning	✓
Gamut Clipping	✓
Automatic signal input recognition	✓
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	Signal information, Color Mode, Brightness, Contrast, Color temperature/White point, Gamma, HLG system gamma, Colour tone, Color saturation, 6 Colors, Scaling, Color matrix YUV/RGB, Input Range, Custom Contrast, Black level, XYZ Format, Zoom, Image size/ format, Interpolation, Markers (safe area marker, safe area size, format marker, format adjustment, bezel color), Skip signal input, Skip color mode, Custom key, ABL Status, Power Indicator, Monitor reset, OSD language, Signal input, Key lock
Integrated power unit	✓

CONNECTIONS

Signal inputs	USB-C (DisplayPort Alt Mode, HDCP 2.3), DisplayPort (HDCP 2.3), HDMI (FRL Deep Color, HDCP 2.3)
USB specification	USB 5Gbps (USB 3)
USB upstream ports	1 x type C (DisplayPort Alt Mode, 60 W max.), 1 x type B
USB downstream ports	2x type A
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]	65
Maximum Power Consumption [in watts]	275 (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]	60

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	717,4 x 453,6 - 595,7 x 245
Weight (incl. stand) [in kg]	10.3
Dimensions (without stand) (width x height x depth) [in mm]	717,4 x 442,6 x 86,7
Weight (without stand) [in kg]	7.3
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand [in °]	344
Tiltability forwards/backwards [in °]	5 / 35
Pivot between portrait / landscape	clockwise
Height adjustment range [in mm]	142.1
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certification	CE, UKCA, CB, RCM, cTÜVus, FCC-B, CAN ICES-3 (B), VCCI-B, RoHS, WEEE

SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for down-load	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	CP200 (USB-C to DisplayPort cable), CC100 (USB-C port cable), PP100-K (DisplayPort cable), PP200-K (DisplayPort cable)
Light protection cover	✓

WARRANTY

Warranty periode	5 years or 30,000 hours of use for the device and 2 year or 10,000 hours of use for the OLED panel. In both cases, the limit that is reached first applies. Panel protection features such as screen savers, pixel correction, and thermal management are built in. Screen shadows or burn-in caused by prolonged display of high-brightness content or static images are not covered by the warranty.
Included warranty	Zero pixel defects guarantee; no fully illuminated sub-pixels (sub-pixels ISO 9241-307) for six months from date of purchase.

Experience the CG3200X in AR now!

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