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The ColorEdge PROMINENCE CG3146 reference monitor means professionals in the television and film industry can rest assured that the image they see is 100% accurate. It delivers precision and consistency in unparalleled HDR reference quality. This makes it the perfect solution for use in both 4K post-production and the studio, as well as 4K cinematography, and it is ideal for professional colourists. Its precise and colour-accurate reproduction across the entire luminance characteristic curve (EOTF) makes the CG3146 suitable for the entire 4K production workflow in both HDR and SDR. The reference monitor supports HLG (Hybrid Log Gamma) and PQ curves (Perceptual Quantization) for the editing of television content, films and other video content in HDR. Both the HLG and PQ EOTF as well as the brightness are precisely calibrated to reference class 1 level. The ColorEdge PROMINENCE is equipped with a built-in calibration sensor. It provides fully automated recalibration in reference quality and as well as project-specific calibrations.

- ✓ 31.1-inch HDR/SDR reference monitor (78.9 cm), 10-bit LCD and DCI 4K resolution
- ✓ HDR brightness and dynamics of up to 1000 nits and calibrated to reference class 1 level
- ✓ Deep black tones without ABL or local dimming with a contrast up to 1000000
- ✓ HLG and PQ EOTF are precisely calibrated to reference class 1 level
- ✓ Calibrated for: BT.2020, BT.709, DCI P3, PQ_BT.2100, PQ_DCI P3, HLG_BT.2100
- ✓ Gamut with 99% DCI P3 and colour precision with 3D look-up-table (LUT) with 24-bit
- ✓ Digital Uniformity Equalizer for perfect luminance distribution and colour purity
- ✓ Single-link 12G/6G/3G/HD SD and dual- and quad-link 3G/HD SDI, as well as HDMI and DisplayPort signal input
- ✓ Built-in sensor for fully automated recalibration in reference quality as well as project-specific calibrations
- ✓ 5-year warranty for highest investment security

Technical Data

GENERAL		FEATURES & OPERATION	
Item no.	CG3146	Hardware calibration of brightness and luminance characteristics	✓
Case color	Black	Integrated sensor for self-calibration	✓
Areas of application	Photography, Video & Graphics		
Product line	ColorEdge	Preset color/greyscale modes	BT.2020, PQ BT.2100, BT.709, PQ BT.709, HLG BT.2100, DCI, PQ DCI, additional memory spaces through calibration, Sync Signal
Areas of application	Video Editing, Post Production and Colour Grading	Temperature color drift correction	✓
Specific system requirements	None, compatible with most computers and operating systems including macOS and Windows	Digital Uniformity Equalizer (homogeneity correction)	✓
EAN	4995047056195	3D LUT film emulation (10 bit log)	✓
SCREEN		Adjustable front dial	✓
Screen size [in inches]	31,1	Safe Area Marker	✓
Screen size [in cm]	78,9	I/P conversion	✓
Format	17:9	Noise suppression (HDMI)	✓
Viewable image size (width x height) [in mm]	698 x 368,1	RGB and CMYK colour space emulation	✓
Ideal and recommended resolution	4096 x 2160 (4K DCI)	HDCP Decoder	✓
Pixel pitch [in mm]	0,17 x 0,17	Gamut warning	✓
Supported resolutions	4096 x 2160 (4K DCI), 3840 x 2160 (4K UHD), 2560 x 1440, 2560 x 1440 (@ 30 Hz), 1920 x 1200, 1920 x 1080 (Full HD), 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), 720p (@ 60 Hz), 720p (@ 50 Hz), 576p (@ 60 Hz), 576p (@ 50 Hz), 480i (@ 60 Hz)	Luminance warning	✓
Panel technology	Dual Layer IPS (Wide Gamut, 10 Bit)	Blue Only	✓
Max. viewing angle horizontal	178	D65 (CRT) Offset	✓
Max. viewing angle vertical	178	Time Code (VITC, LTC)	✓
Number of colors or greyscale	1024 greyscale (HDMI, from 65000 grey tones), 1024 greyscale (DisplayPort, from 65000 grey tones), 1024 greyscale (SDI, from 65000 grey tones), 1.07 billion colours (HDMI, 24-bit), 1.07 billion colours (DisplayPort, 24-bit), 1.07 billion colours (SDI, 24-bit)	Gamut Clipping	✓
Color palette/look-up table	More than 278 trillion color tones / 24 Bit 3D-LUT	Automatic signal input recognition	✓
Max. color space (typical)	AdobeRGB (>97%), DCI P3 (99%), Rec709 (100%), sRGB (100%)	On-screen menu languages	de, en, fr, es, it, se
HDR Gamma	PQ, HLG	Adjustment options	Signal information, Color Mode, Brightness, Color temperature/White point, Gamma, HLG system gamma, Color saturation, 6 Colors, Scaling, Color matrix YUV/ RGB, Input Range, black level, XYZ Format, Zoom, BT.709 color space warning, Markers (safe area marker, safe area size, format marker, format adjustment, bezel color), Indicator, Skip signal input, Skip color mode, Custom key, Monitor reset, Signal input
Max. brightness (typical) [in cd/m²]	1000	Button Guide	✓
Max. dark room contrast (typical)	1000000:1	Integrated power unit	✓
Backlight	LED		
CONNECTIONS		ELECTRICAL DATA	
Signal inputs	BNC (12G/6G/3G/HD-SDI), 3x BNC (3G/HD-SDI), HDMI (Deep Color, HDCP 1.4/2.2), DisplayPort (HDCP 1.3)	Frequency	DisplayPort: 25 - 137 kHz, 23 - 61 Hz; HDMI: 15 - 136 kHz, 23 - 61 Hz
Signal outputs	3 x BNC (3G/HD-SDI, through-out (active)), BNC (12G/6G/3G/HD-SDI, through-out (active))	Power consumption (typical) [in watts]	282
USB specification	USB 5Gbps (USB 3)	Maximum Power Consumption [in watts]	463
USB upstream ports	1 x type B	Max. Power consumption in stand-by mode [in watts]	1.2
USB downstream ports	3 x type A	Power consumption with power switch off [in watts]	0
Graphic signal	DisplayPort, HDMI (RGB, YUV)	Power supply	AC 100-240V, 50/60Hz

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	757 x 488 x 208
Weight (incl. stand) [in kg]	26.5
Dimension drawing (PDF)	Dimension drawing (PDF)
Tiltability forwards/backwards [in °]	0 / 0

CERTIFICATION & STANDARDS

Certification	CE, CB, TÜV/GS, TÜV/Ergonomics (including ISO 9241-307), RCM, cTÜVus, FCC-A, CAN ICES-3 (B), TÜV/S, PSE, VCCI-A, RoHS, WEEE, EAC
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SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	ColorNavigator
Other box contents	Calibration report, Signal cable HDMI - HDMI, Signal cable DisplayPort - DisplayPort, Manual via download, Power cord, Quick guide
Accessories	PM200-K (DisplayPort cable to transfer digital video and audio signals), CP200 (USB-C to DisplayPort cable), PP100-K (DisplayPort cable)
Light protection cover	✓

WARRANTY

Warranty periode	5 years
Included warranty	A brightness of at least 800 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.