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30.5" HDR reference monitor

The ColorEdge PROMINENCE CG1 is EIZO's professional reference monitor for color grading and mastering professional HDR and SDR film content. The unique combination of extreme contrast range, huge color space coverage, razor-sharp image display and outstanding precision make it a reliable precision tool for film post-production in the film and television industry. With connections such as SDI, ST2110, HDMI (incl. FRL) and DisplayPort, the PROMINENCE CG1 can be seamlessly integrated into any production environment. The integrated calibration sensor simplifies recalibration enormously and enables automated quality management.

- ✓ 30.5-inch Wide Gamut LCD with 4096 x 2160 pixels (DCI-4K)
- ✓ HDR brightness and dynamic range calibrated to 1000 nits and reference class 1 level
- ✓ Deep black with up to 1000000:1 contrast - without ABL or local dimming
- ✓ HDR-HLG and HDR-PQ-EOTF precisely calibrated to reference class 1 level
- ✓ Calibrated presets for: BT.2020, BT.709, DCI-P3, PQ_BT.2100, PQ_DCI-P3, PQ_Theater, HLG_BT2100
- ✓ SDI connections: Single-Link 12G/6G/3G/HD-SD, Dual- and Quad-Link 3G (2 sample interleave)
- ✓ SFT28 connections (25GbE, ST 2110) for IP-based production environments
- ✓ HDMI with FRL - supports 12 bit 4:4:4 in DCI 4K resolution
- ✓ DisplayPort - up to 10 bit 4:4:4
- ✓ 5-year guarantee for maximum investment security

Technical Data

GENERAL		FEATURES & OPERATION	
Item no.	CG1	Hardware calibration of brightness and luminance characteristics	✓
Case color	Black	Integrated sensor for self-calibration	✓
Areas of application	Photography, Video & Graphics	Scheduled self calibration	✓
Product line	ColorEdge	Preset color/greyscale modes	BT.2020, PQ BT.2100, BT.709, HLG BT.2100, PQ Theater, DCI-P3, PQ DCI-P3, 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	Brightness drift correction	✓
EAN	4995047068037	Digital Uniformity Equalizer (homogeneity correction)	✓
SCREEN		No flickering	✓
Screen size [in inches]	30,5	3D LUT film emulation (10 bit log)	✓
Screen size [in cm]	77,5	Adjustable front dial	✓
Format	17:9	Safe Area Marker	✓
Viewable image size (width x height) [in mm]	685,7 x 361,6	I/P conversion	✓
Ideal and recommended resolution	4096 x 2160 (4K DCI)	HDCP Decoder	✓
Pixel pitch [in mm]	0,167 x 0,167	Gamut warning	✓
Pixel density [in ppi]	152	Luminance 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)	Blue Only	✓
Panel technology	Dual Layer IPS (Wide Gamut, 10 Bit)	D65 (CRT) Offset	✓
Max. viewing angle horizontal	178	Time Code (VITC, LTC)	✓
Max. viewing angle vertical	178	Gamut Clipping	✓
Number of colors or greyscale	1,07 Mrd. Farben (ST 2110 (SFP28) direct IP, 24 Bit), 1,07 billion colours (HDMI, 24-bit), 1,07 billion colours (DisplayPort, 24-bit), 1,07 billion colours (SDI, 24-bit)	Automatic signal input recognition	✓
Color palette/look-up table	More than 278 trillion color tones / 24 Bit 3D-LUT	On-screen menu languages	de, en, fr, es, it, se
Max. color space (typical)	DCI P3 (100%)	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), Skip signal input, Skip color mode, Custom key, Power Indicator, Monitor reset, Signal input
Color space presets	DCI-P3, SMTPE-C, BT.2020, BT.709, EBU, sRGB, AdobeRGB, Native	Button Guide	✓
YUV transfer matrix	BT.2020, BT.709, BT.601, Auto	Integrated power unit	✓
HDR Gamma	PQ, HLG	CONNECTIONS	
EOTF presets	HLG, PQ, EBU(2,35), sRGB, Gamma 1.6-2.7	Signal inputs	2x SFP28 (25GbE, ST 2110) direct IP, 2x BNC (12G/6G/3G/HD-SDI), 2x BNC (3G/HD-SDI), DisplayPort (HDCP 2.3), HDMI (Deep Color, HDCP 2.3)
Max. brightness (typical) [in cd/m ²]	1000	Signal outputs	2 x BNC (12G/ 6G/3G/HD-SDI, through-out (active)), 2 x BNC (3G/HD-SDI, through-out (active))
Max. dark room contrast (typical)	1000000:1	USB specification	USB 5Gbps (USB 3)
Color temperature presets	DCI, D65, D65(CRT), D50, Native, User, 4000-10000 K	USB upstream ports	2 x type B
Backlight	Wide Gamut LED	USB downstream ports	3 x type A
		Control port	RJ45

ELECTRICAL DATA

Frequency	DisplayPort: 25 - 137 kHz / 23 - 61 Hz; HDMI: 15 - 136 kHz / 23 - 61 Hz
Power consumption (typical) [in watts]	271
Maximum Power Consumption [in watts]	420 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	0.5
Power supply	AC 100-240V, 50/60Hz

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	746.8 x 482.7 x 208
Weight (incl. stand) [in kg]	17.5
Dimensions (without stand) (width x height x depth) [in mm]	746.8 x 457 x 165.8
Weight (without stand) [in kg]	16.8
Dimension drawing (PDF)	Dimension drawing (PDF)

CERTIFICATION & STANDARDS

Operating temperature	0 - 30 °C / 20 - 80 % (R.H., non condensing)
Certification	CE, UKCA, CB, TÜV/GS, TÜV/Ergonomics (including ISO 9241-307), RCM, cTÜVus, FCC-A, CAN ICES-3 (A), TÜV/S, PSE, VCCI-A, RoHS, WEEE

SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	ColorNavigator, ColorNavigator Network
Other box contents	Calibration report, Signal cable HDMI - HDMI (Ultra High Speed), USB cable (Type A - Type B), 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)

WARRANTY

Warranty periode	5 years
Included warranty	Für die Dauer von 5 Jahren oder 10.000 Betriebsstunden, je nachdem, was früher eintritt, wird eine Helligkeit von mindestens 800 cd/qm bei einer Farbtemperatur von 6500 K garantiert. Zero pixel defects guarantee; no fully illuminated sub-pixels (sub-pixels ISO 9241-307) for six months from date of purchase.

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