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24" graphics monitor

With its compact 24" size, SDI connectivity, and HDR support, the ColorEdge CG2400SV is the ideal monitor for editing suites, studios, and mobile productions in the film and broadcast industry. The SDI input and output (3G-SDI Level A and HD-SDI) enable loss-free transmission of uncompressed video signals – perfect for use with camera systems and live feeds. HDMI and DisplayPort are also available. With a maximum brightness of 400 cd/m² and a contrast ratio of 1800:1, the CG2400SV meets the requirements of the DCI standard. Support for HLG and PQ gamma curves ensures accurate HDR display – ideal for post-production and on-set monitoring. The Wide Gamut IPS panel covers 98% of the DCI-P3 color space and supports the BT.2020 standard. With 10-bit display and a 16-bit 3D LUT, the monitor delivers accurate color reproduction and smooth transitions – essential for color-critical applications. The integrated calibration sensor enables effortless, automatic calibration. With the Pixel Inspection function, users can directly check whether the signal processing is correctly set throughout the entire workflow. The integrated USB hub, headphone jack, and included light shield round out the CG2400SV's extensive features.

- ✓ 24" Wide Gamut LCD with 1920 x 1200 pixels, 16:10 format
- ✓ SDI input and output (3G-SDI Level A and HD-SDI)
- ✓ Wide color gamut with 98% DCI-P3 color space coverage
- ✓ 400 cd/m² maximum brightness, 1800:1 contrast ratio
- ✓ 10-bit display, 16-bit 3D Look-Up-Table
- ✓ Precise hardware calibration of brightness, white point, and gamma
- ✓ Integrated calibration sensor for automatic self-calibration
- ✓ Digital Uniformity Equalizer for perfect luminance distribution and color purity
- ✓ Color signal control via pixel inspection
- ✓ DisplayPort and HDMI input as well as headphone jack
- ✓ Light shield included
- ✓ 5-year warranty for highest investment security

Technical Data

GENERAL		FEATURES & OPERATION	
Item no.	CG2400SV	KVM switch	✓
Case color	Black	Hardware calibration of brightness and luminance characteristics	✓
Areas of application	Photography, Video & Graphics	Integrated sensor for self-calibration	✓
Product line	ColorEdge	Scheduled self calibration	✓
Areas of application	Video Editing, Post Production and Colour Grading	Preset color/greyscale modes	1x manual memory location, BT.2020, PQ BT.2100, BT.709, HLG BT.2100, DCI-P3, PQ DCI-P3, sRGB, additional memory spaces through calibration, Sync Signal
Specific system requirements	None, compatible with most computers and operating systems including macOS and Windows	Temperature color drift correction	✓
EAN	4995047070078	Brightness drift correction	✓
SCREEN		Digital Uniformity Equalizer (homogeneity correction)	✓
Screen size [in inches]	24,1	No flickering	✓
Screen size [in cm]	61,1	True Black	✓
Format	16:10	3D LUT film emulation (10 bit log)	✓
Viewable image size (width x height) [in mm]	518,4 x 324	Safe Area Marker	✓
Ideal and recommended resolution	1920 x 1200	I/P conversion	✓
Pixel pitch [in mm]	0,27 x 0,27	HDCP Decoder	✓
Pixel density [in ppi]	94	Gamut warning	✓
Supported resolutions	1920 x 1200, 1200p (@ 60 Hz), 1200p (@ 50 Hz), 1080p (@ 60 Hz), 1080i (@ 60 Hz), 1080p (@ 50 Hz), 1080i (@ 50 Hz), 1080p (@ 30/25/24 Hz), 720p (@ 60 Hz), 720p (@ 50 Hz), 576p (@ 50 Hz), 576i (@ 50 Hz), 480p (@ 60 Hz), 480i (@ 60 Hz)	Luminance warning	✓
Panel technology	IPS (Wide Gamut)	Gamut Clipping	✓
Max. viewing angle horizontal [in °]	178	Automatic signal input recognition	✓
Max. viewing angle vertical [in °]	178	On-screen menu languages	de, en, fr, es, it, se
Number of colors or greyscale	1.07 billion colours (SDI, 24-bit), 1.07 billion colors (HDMI, 10 Bit), 1.07 billion colors (DisplayPort, 10 Bit)	Adjustment options	Color Mode, Brightness, Contrast, Color temperature /White point, Gamma, Colour tone, Color saturation, 6 Colors, Resolution, Scaling, Color matrix YUV/ RGB, Input Range, black level, BT.709 color space warning, Markers (safe area marker, safe area size, format marker, format adjustment, bezel color), Menu Rotation, Skip signal input, Skip color mode, Custom key, Monitor reset, OSD language, Signal input, Key lock, DUE priority
Color palette/look-up table	278 trillion color tones / 16 Bit	Button Guide	✓
Max. color space (typical)	AdobeRGB (>99%), DCI P3 (>98%), Rec709 (100%), sRGB (100%)	Integrated power unit	✓
HDR Gamma	PQ, HLG	ELECTRICAL DATA	
Max. brightness (typical) [in cd/m²]	400	Frequency	SDI, DisplayPort: 26 - 76 kHz / 23 - 61 Hz; HDMI: 15 - 76 kHz / 23 - 61 Hz
Recommended brightness [in cd/m²]	120	Power consumption (typical) [in watts]	17
Max. dark room contrast (typical)	1800:1	Maximum Power Consumption [in watts]	150 (at maximum brightness and operation of all signal and USB ports as well as full charging power)
Response time grey-grey alternation (typical) [in ms]	11	Max. Power consumption in stand-by mode [in watts]	0.5
Backlight	LED	Power consumption with power switch off [in watts]	0
CONNECTIONS		Power supply	AC 100-240V, 50/60Hz
Signal inputs	BNC (12G/6G/3G/HD-SDI), DisplayPort (HDCP 2.3), HDMI (Deep Color, HDCP 2.3)	Max. USB-C Power Delivery [in Watt]	70
Signal outputs	BNC (12G/ 6G/3G/HD-SDI, through-out (active))		
USB specification	USB 5Gbps (USB 3)		
USB upstream ports	2 x type B		
USB downstream ports	4 x Typ A (2 x 5Gbps (USB 3), 2 x USB 2)		
Graphic signal	DisplayPort, HDMI (RGB, YUV)		
Audio / headphone output	3.5 mm stereo jack		

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	554,4 x 408,1 - 563,1 x 245
Weight (incl. stand) [in kg]	8.5
Dimensions (without stand) (width x height x depth) [in mm]	554,4 x 374,1 x 70,2
Weight (without stand) [in kg]	5.5
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]	155
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

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

Accompanying software and other accessories are available for download	ColorNavigator, ColorNavigator Network
Other box contents	Signal cable HDMI - HDMI, 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.), PM200-K (DisplayPort cable to transfer digital video and audio signals), PP100-K (DisplayPort cable), PP200-K (DisplayPort cable)
Light protection cover	✓

WARRANTY

Warranty periode	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.

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