Technical Data



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 color space. With 10-bit display, 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 LUT for faithful color reproduction
- Precise hardware calibration of brightness, white point, and gamma
- Integrated calibration sensor for automatic self-calibration
- Color 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

→ **Product Website**

DIMENSION & WEIGHT

Dimensions (incl. stand) (width x height x depth) (in mm)	538 x 524 x 250
Case color	Black
Weight (incl. stand) (in kg)	9.1
Area of application	Professional Photo and Color Grading
Dimensions (without stand) (width x height x depth) (in mm)	538 x 324 x 70
Weight (without stand) (in kg)	6.1
Dimensions drawing	Dimensions drawing (front, rear, side)
Rotatability of the stand (in °)	344
Tilt (in °)	-5 to 30
Tilt ability forwards/backwards (in °)	0 / 35

SCREEN

Pivot between portrait / landscape	clockwise
Screen size (in inches)	24.1
Height adjustment range (in mm)	155
Screen size (in cm)	61
Pixel pitch (in mm)	0.270 x 0.270
Format	16:10
Viewable image size (width x height) (in mm)	518.4 x 324
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
Ideal and recommended resolution	1920 x 1200
Viewing angle (in °)	178
Brightness (max.)	400
Panel backlighting	LED
Panel technology	IPS (Wide Gamut)
Accessories	Color sensor for calibration sensor for screen optimization
Max. viewing angle horizontal (in °)	178
Max. viewing angle vertical (in °)	178
Number of colors displayable	1.07 billion colors (DisplayPort, 10 Bit)
Light protection cover	✓ (Hood)
Color values/look up table	270 million colors/ 16 Bit

SOFTWARE & ACCESSORIES

Bit depth (in bpc)	8
Accompanying software and other accessories available	ColorNavigator, ColorNavigator Network
Supported resolutions for downscaling	1920 x 1200, 1200p (@ 60 Hz), 1200p (@ 50 Hz), 1080p (@ 60 Hz), 1080p (@ 50 Hz), 1080p (@ 59.94 Hz), 1080p (@ 50 Hz), 1080i (@ 60 Hz), 1080i (@ 50 Hz), 1080i (@ 59.94 Hz), 1080i (@ 50 Hz), 720p (@ 60 Hz), 720p (@ 50 Hz), 720p (@ 59.94 Hz), 576p, 576i, 480p, 480i

WARRANTY

Warranty period	5 years for the product and LCD measure up to stated operating hours, whichever comes first.
HDR Gamma	PQ, HLG
Included warranty	A brightness of at least 120 cd/sqm at a colour temperature of 6500K and a gamma of 2.2 is guaranteed for a period of 5 years or 30,000 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.
Recommended brightness (in cd/m²)	120
Recommended contrast (in:1)	1000
Response time grey-grey alternation (in ms)	11
Backlight	LED

CONNECTIONS

Digital inputs	3G-SDI (2 SDI BNC), DisplayPort (HDCP 2.3), HDMI (Deep Color, HDCP 2.3)
Digital outputs	3G-SDI (2 SDI BNC)
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

FEATURES & OPERATION

Picture modes	7x 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
Temperature color drift correction	✓
Brightness drift correction	✓
Digital Uniformity Equalizer (homogeneity correction)	✓
No flickering	✓
True Black	✓
3D LUT (Filmemulation (10 bit log)	✓
Safe Area Marker	✓
I/P conversion	✓
HDCP Decoder	✓
Gamut clipping	✓
Uniformity correction	✓
Automatic signal input recognition	✓
On-screen menu languages	de, en, fr, es, it, ja
Adjustment options	Color Mode, Brightness, Contrast, Color temperature, Adjustment, Gamma, Sharpness, Color gain, Black adjust, 6-Color Adjustment, Color Uniformity, Color Matrix, Gamut, RGB, Input Range, Black level, BT.709 color space, Marker, Marker size, Marker color, Aspect, Pixel for pixel, Screen saver, Frame, Frame color, Frame width, Image format, Image flip, Format marker, format adjustment, bezel color), Menu, Language, Skip color mode, Custom key, Monitor reset, OSD language, Signal Input, Key lock, DUE priority
Button Guide	✓
Integrated power unit	✓

TECHNICAL DATA

Frequency	SDI: 23 - 61 Hz; DisplayPort: 26 - 76 kHz / 23 - 61 Hz; HDMI: 15 - 76 kHz / 23 - 61 Hz
Power consumption (in watts)	80
Maximum Power Consumption (in watts)	80 (at maximum brightness and operation of all signal and USB ports as well as full charging power)
Max. Power consumption in stand-by mode (in watts)	0.5
Power consumption with power switch off (in watts)	0
Power supply	AC 100-240V, 50/60 Hz
Max. USB-C Power Delivery (in Watt)	70

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