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24" graphics monitor

With its wide color gamut, enormous 1800:1 contrast ratio, state-of-the-art USB-C connectivity and pre-installed HDR presets, the CG2400S is the ideal tool for professional creatives. The CG2400S with Wide Gamut IPS panel, 10-bit color depth and 16-bit 3D Look-Up-Table (LUT) offers perfect precision, smooth color transitions and nuances. The Adobe RGB color space is covered by 99% and the DCI-P3 color space by 98%. Thanks to the presets for HLG and the PQ gamma curves, even the smallest model in the ColorEdge CG series can be ideally integrated into HDR production workflows. The integrated calibration sensor enables effortless, automatic calibration. Thanks to the universal connectivity via USB-C, a single cable is used to transmit the image signal and power the monitor's USB hub. It can also be used to supply a mobile device with up to 70 watts of charging current. In combination with the integrated USB hub, the CG2400S becomes the central dock for creative workflows in a single operation. Of course, an HDMI and DisplayPort connection are also on board. The supplied light protection screen rounds off the CG2400S's extensive features.

- ✓ 24-inch Wide Gamut LCD with 1920 x 1200 pixels, 16:10 format
- ✓ Wide color gamut with 99% Adobe RGB and 98% DCI-P3 color space coverage
- ✓ 400 cd/m² maximum brightness, 1800:1 contrast
- ✓ 10-bit display, 16-bit 3D Look-Up-Table
- ✓ Integrated calibration sensor for fully automatic self-calibration
- ✓ Digital Uniformity Equalizer for perfect luminance distribution and color purity
- ✓ USB-C (DisplayPort signal and up to 70 watts Power Delivery), DisplayPort and HDMI input
- ✓ USB hub with four USB downstream ports, two of which are 5Gbps (USB 3) and two USB 2
- ✓ Light protection cover included in the scope of delivery
- ✓ 5-year warranty for highest investment security

Technical Data

GENERAL		FEATURES & OPERATION	
Item no.	CG2400S	USB-C docking	✓
Case color	Black	KVM switch	✓
Areas of application	Photography, Video & Graphics	Hardware calibration of brightness and luminance characteristics	✓
Product line	ColorEdge	Integrated sensor for self-calibration	✓
Areas of application	Photography, image editing and retouching, Video Editing, Post Production and Colour Grading, Design, creation and illustration, Printing and Fine Art Printing, Textile and fashion industry	Scheduled self calibration	✓
Specific system requirements	None, compatible with most computers and operating systems including macOS and Windows	Preset color/greyscale modes	1x manual memory location, BT.2020, BT.709, HLG BT.2100, AdobeRGB, DCI-P3, PQ DCI-P3, sRGB, additional memory spaces through calibration, Sync Signal
EAN	4995047067818	Temperature color drift correction	✓
SCREEN		Brightness drift correction	✓
Screen size [in inches]	24,1	Digital Uniformity Equalizer (homogeneity correction)	✓
Screen size [in cm]	61,1	No flickering	✓
Format	16:10	True Black	✓
Viewable image size (width x height) [in mm]	518,4 x 324	3D LUT film emulation (10 bit log)	✓
Ideal and recommended resolution	1920 x 1200	Safe Area Marker	✓
Pixel pitch [in mm]	0,27 x 0,27	I/P conversion	✓
Pixel density [in ppi]	94	Signal range amplifier (HDMI)	✓
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)	HDCP Decoder	✓
Panel technology	IPS (Wide Gamut)	Gamut warning	✓
Max. viewing angle horizontal [in °]	178	Luminance warning	✓
Max. viewing angle vertical [in °]	178	Gamut Clipping	✓
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)	Automatic signal input recognition	✓
Color palette/look-up table	278 trillion color tones / 16 Bit	On-screen menu languages	de, en, fr, es, it, se
Max. color space (typical)	AdobeRGB (>99%), DCI P3 (>98%), Rec709 (100%), sRGB (100%)	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
HDR Gamma	PQ, HLG	Button Guide	✓
Max. brightness (typical) [in cd/m²]	400	Integrated power unit	✓
Recommended brightness [in cd/m²]	120		
Max. dark room contrast (typical)	1800:1		
Response time grey-grey alternation (typical) [in ms]	11		
Backlight	LED		
CONNECTIONS			
Signal inputs	USB-C (DisplayPort Alt Mode, HDCP 2.3), DisplayPort (HDCP 2.3), HDMI (Deep Color, HDCP 2.3)		
USB specification	USB 5Gbps (USB 3)		
USB upstream ports	1 x type C (DisplayPort Alt Mode, 70 W max.), 1 x type B		
USB downstream ports	4 x Typ A (2 x 5Gbps (USB 3), 2 x USB 2)		
Graphic signal	USB-C, DisplayPort, HDMI (RGB, YUV)		

ELECTRICAL DATA

Frequency	USB Type-C, DisplayPort: 26 - 76 kHz / 23 - 61 Hz; HDMI: 15 - 76 kHz / 23 - 61 Hz
Power consumption (typical) [in watts]	17
Maximum Power Consumption [in watts]	150 (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
Energy efficiency class	E
Energy consumption/1000h [in kWh]	16
Power supply	AC 100-240V, 50/60Hz
Max. USB-C Power Delivery [in Watt]	70

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/signal cable (USB-C - USB-C), 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), 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 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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