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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/m<sup>2</sup> 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                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item no.                                                         | CG2400S                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Case color                                                       | Black                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Areas of application                                             | Photography, Video & Graphics                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product line                                                     | ColorEdge                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                                   |
| Specific system requirements                                     | None, compatible with most computers and operating systems including macOS and Windows                                                                                                                                                                                                                                                                                                                                                          |
| EAN                                                              | 4995047067818                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SCREEN                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Screen size [in inches]                                          | 24,1                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Screen size [in cm]                                              | 61,1                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Format                                                           | 16:10                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Viewable image size (width x height) [in mm]                     | 518,4 x 324                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ideal and recommended resolution                                 | 1920 x 1200                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Pixel pitch [in mm]                                              | 0,27 x 0,27                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Pixel density [in ppi]                                           | 94                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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)                                                                                                                                                                                                        |
| Panel technology                                                 | IPS (Wide Gamut)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Max. viewing angle horizontal [in °]                             | 178                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Max. viewing angle vertical [in °]                               | 178                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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)                                                                                                                                                                                                                                                                                                                              |
| Color palette/look-up table                                      | 278 trillion color tones / 16 Bit                                                                                                                                                                                                                                                                                                                                                                                                               |
| Max. color space (typical)                                       | AdobeRGB (>99%), DCI P3 (>98%), Rec709 (100%), sRGB (100%)                                                                                                                                                                                                                                                                                                                                                                                      |
| HDR Gamma                                                        | PQ, HLG                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Max. brightness (typical) [in cd/m²]                             | 400                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                             |
| FEATURES & OPERATION                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| USB-C docking                                                    | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| KVM switch                                                       | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hardware calibration of brightness and luminance characteristics | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Integrated sensor for self-calibration                           | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Scheduled self calibration                                       | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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                                                                                                                                                                                                                                                                                           |
| Temperature color drift correction                               | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Brightness drift correction                                      | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Digital Uniformity Equalizer (homogeneity correction)            | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| No flickering                                                    | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| True Black                                                       | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3D LUT film emulation (10 bit log)                               | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Safe Area Marker                                                 | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| I/P conversion                                                   | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Signal range amplifier (HDMI)                                    | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HDCP Decoder                                                     | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gamut warning                                                    | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Luminance warning                                                | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gamut Clipping                                                   | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Automatic signal input recognition                               | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| On-screen menu languages                                         | de, en, fr, es, it, se                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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 |
| Button Guide                                                     | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Integrated power unit                                            | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## ELECTRICAL DATA

|                                                    |                                                                                                      |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Frequency                                          | USB Type-C, DisplayPort: 26 - 76 kHz / 23 - 61 Hz;<br>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)                                     | <a href="#">Dimension drawing (PDF)</a> |
| 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 |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|

## 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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