

Color Management Monitors



True to Creativity

ColorEdge[®]

Monitors for all creators from entry level to professional

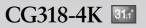


Professional Level

For professionals in photography, retouching, prepress, and post production who want the best in color accuracy.

- Built-in calibration sensor
- Wide color gamut
- · ColorNavigator 6 calibration software and monitor hood included
- ColorNavigator NX calibration software supported







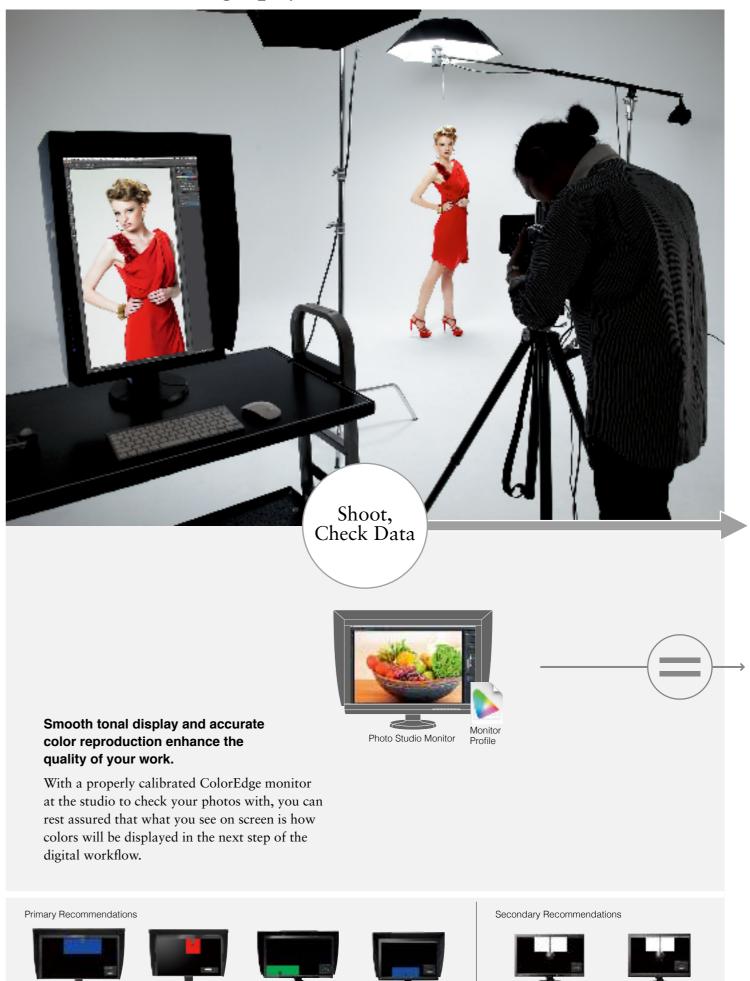




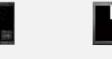
Amateur Digital Photography



Professional Photography







CX series, CS270, and CS240 reproduce the Adobe RGB color

CX241



Secondary Recommendations

CS270





CS240

CS230

4

space.

Primary Recommendations

CX271

CG277

CG247

5

CX241

CX271

Image Retouch

Design

Design





Retouch

Picture-perfect profiling.

Accurate profiling through hardware calibration is what makes a ColorEdge a ColorEdge. It couldn't be any easier with builtin calibration sensors on our CG series and built-in correction sensors on our CX series. The sensors are automated so you don't even have to be present when they adjust the screen.

Primary Recommendations







Secondary Recommendations





CX271







A color management environment

ensures smooth color

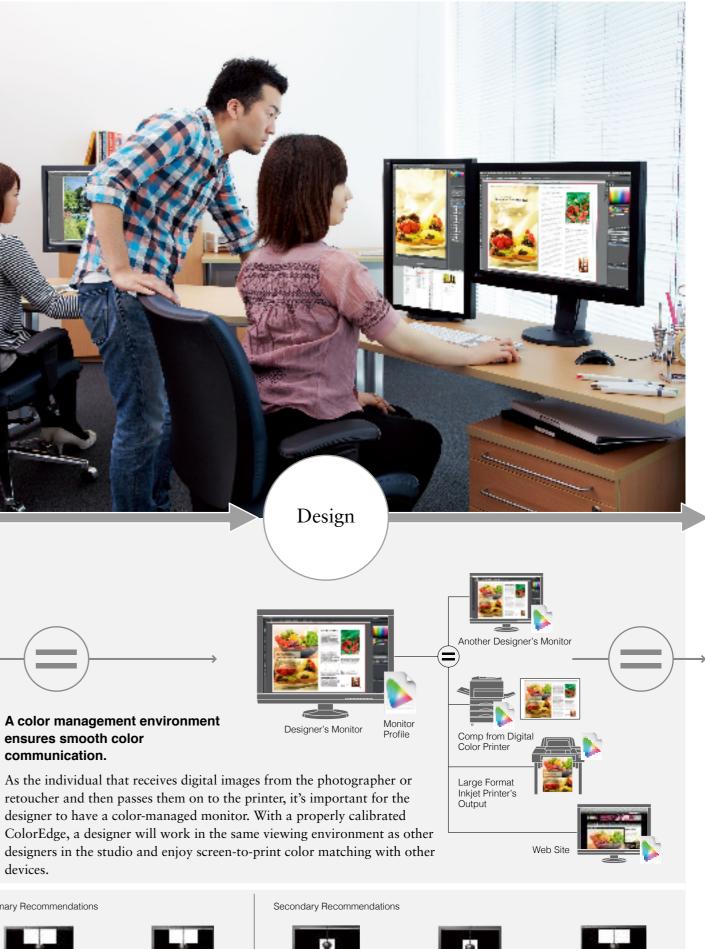
communication.

devices.

Primary Recommendations

CX241









Print



Post Production



CX241



wide color gamut of ColorEdge monitors enables them to reproduce North American Prepress, Europe Prepress, and other settings.

The CG277 and CG247 are Class A FograCert Softproof Monitors.

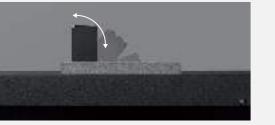


Built-In Sensors to Automate Your Workflow



Built-In Calibration Sensor

Automate your calibration with the sensor that is housed within the monitor's front bezel and swings over the screen only when calibrating. This sensor eliminates the need for a third-party calibration device and even operates in portrait mode. *Available with the CG series only.*



SelfCalibration sensor built into the CG series

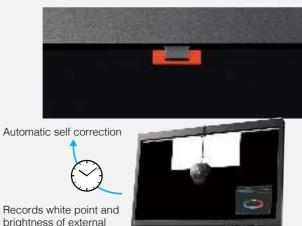
Scheduled Self Calibration

Using either the bundled ColorNavigator software or the OSD menu, you can schedule a CG series monitor to self calibrate at specific times. Even if the monitor is switched off or not connected to a computer, it will stick to its preset schedule and self calibrate.



Built-In Correction Sensor

With the CX and CS series, a third-party sensor is required for calibrating the monitor, but the built-in correction sensor* maintains the calibration settings. The correction sensor is housed within the monitor's upper bezel and appears only after a specific amount of time determined by the user has elapsed. Even if the monitor is switched off or not connected to a computer, it will stick to its preset schedule and self correct. *Built-in correction sensor not available with the CS270 or CS240.



brightness of external sensor when calibrating

Dependable Image Clarity and Color Precision

4K Resolution

The ColorEdge 4K series offers both DCI 4K standard (4096 × 2160) and 4K UHD (3840 × 2160) models. Whether you are creating, editing, or checking your work, the pixel density of these monitors gives you the high performance needed for expressing your creativity in extreme detail. *Graphics card compatibility:*

www.eizoglobal.com/i/4k_compatibility



Individually Adjusted at the Factory

The gamma level for each ColorEdge monitor is adjusted at the factory. This is accomplished by measuring the R, G, and B gamma values from 0 - 255, then using the monitor's 16-bit look-up table (LUT) to select the 256 most appropriate tones to achieve the desired value.



Wide Viewing Angles with IPS Panels

The 178° viewing angles afforded by the IPS panel technology allows two or more people to view the screen at once with little change in color or contrast.



Correlation with External Sensors

CG series monitors can be correlated to the measurement results of an external calibration sensor. After correlating, the built-in sensor will automatically recalibrate to the settings. This is convenient if the monitor is used in a work environment with other monitors and one measurement device must be used as a standard for all calibration.

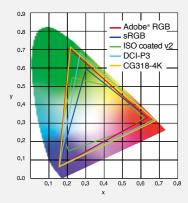


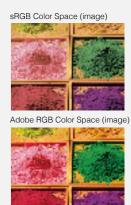
Correlation to i1Pro results



Wide Color Gamut

A wide color gamut reproduces almost the entire Adobe RGB color space* so images shot in RAW can be converted to Adobe RGB or images shot in Adobe RGB will be displayed correctly. The colors seen in photos of vibrant blue skies and lush green forests will be reproduced faithfully in a way that cannot be on monitors with an sRGB color space. The wide color gamut also ensures that the monitors reproduce almost the entire ISO-coated and US web-coated CMYK color spaces used in printing. *Not applicable to the CS230.

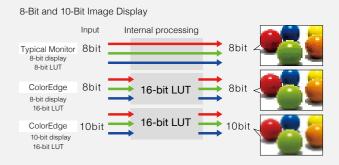




10-Bit Simultaneous Display

Using the DisplayPort or HDMI inputs, the monitors offer 10-bit simultaneous color display* from a 16-bit look-up table which means they can show more than one billion colors simultaneously. This is 64 times more colors than you get with 8-bit display which results in even smoother color gradations and reduced Delta-E between two adjacent colors.

*A graphics board and software which support 10-bit output are also necessary for 10-bit display. Equipment that supports Deep Color is necessary with the HDMI input.



Predictable Color

Stable Image Display

Comfort and Convenience

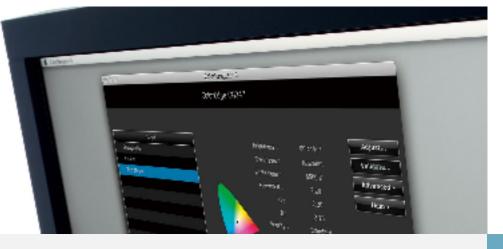
Post Production

Commitmen to Quality

Simple and Precise Calibration with ColorNavigator 6 Software

ColorNavigator 6 software makes calibration both simple and quick. Just input target values for brightness, white point, and gamma to create an ICC profile within minutes.

Target



ColorNavigator 6 Basic Functions

Photography

Printing

Calibrate to Preset or **User-Assigned Values**

Preset values for web contents, photography, and printing are available. Just select one, click "Adjust", and ColorNavigator 6 will begin calibrating. This takes

the guesswork out of assigning values for users with limited color management knowledge. Experienced users can assign the desired values for brightness, white point, and gamma and then calibrate.

Post-Calibration Color Adjustment

If you need to further fine-tune your color after calibrating, ColorNavigator 6 lets you adjust hue and saturation for all six primary and secondary colors (R,G,B,C,M,Y) as well as white point, brightness, black level and gamma.

Manual adjustment screen



Switch Your Profiles as Needed

Change the target profile even when ColorNavigator 6 is not activated. A list of profiles are always instantly accessible. Choose one and it will be applied to your monitor's settings.



Recalibration Reminder

A monitor needs to be recalibrated at regular intervals to maintain color accuracy. ColorNavigator 6 includes a recalibration reminder that will appear after a certain number of user-determined hours. You can also be reminded without starting up ColorNavigator 6 by an LED on the monitor's front panel that lights up.



Color Matching with Other Monitors

ColorNavigator 6 factors for the different characteristics between ColorEdge monitors and calibration devices to provide accurate results.



Matching between different ColorEdge monitors

ColorNavigator 6 Advanced Functions

See How Other Devices Display Color with Media Emulation

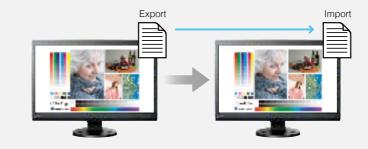
ColorNavigator 6* emulates the color characteristics of other media devices such as tablets, smart phones, notebook PCs, and other LCD/CRT monitors. With a spectrophotometer, ColorNavigator 6 reads the emulated device's color patches



as they appear in a web browser and creates an ICC profile. By using this profile with a ColorEdge monitor, content creators see how their customers view color on their respective devices. *Media emulation is available with ColorEdge CG monitors only.

Import / Export Adjustment Targets

Import and export your post-adjustment target profiles and share the same target values in multiple usage environments.



Calibrate Your Monitor to Another Profile

If you want to conduct color management between monitors in a workflow ColorNavigator 6 lets you load the profile of another ColorEdge monitor and use it to calibrate your own.

12

Calibrate to the White of Your Paper or **Brightness of Your Light Box**

By measuring the white of the paper to be used for printing with an external sensor, ColorNavigator 6 automatically sets the target values for brightness and white point accordingly. You can also measure your light



box's* brightness and set it as the target value for calibration to ensure uniform brightness between your monitor and light box when color proofing.

*Currently supports JUST Color Communicator 1 and 2 only.

Profile Validation

To verify calibration results or check to see how much the monitor's colors have varied since it was last calibrated, ColorNavigator 6 measures the monitor's color patches to determine the difference between the Delta-E value of the monitor's profile and the actual displayed values of the monitor. CG series validates RGB and CMYK values. CX and CS series validate RGB values only.

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Predictable Color

Quality Control with ColorNavigator Network and NX

ColorNavigator Network and ColorNavigator NX software enable unified quality control of all monitors in a studio or across a network in multiple locations.



ColorNavigator NX

Client-side QC software for ColorEdge monitors Supported by CG and CX series only.

ColorNavigator Network

Administrator-side QC software for ColorEdge monitors

Quality Control until Now

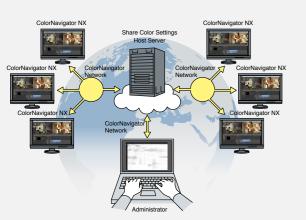
For many studios in printing, design, and post production, maintaining a properly adjusted monitor has been a timeconsuming process. Each monitor needed to be aged, calibrated, and validated manually.



Unify Color, Centralize QC Management

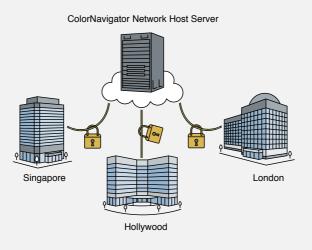
With ColorNavigator NX installed on workstations, an administrator can use ColorNavigator Network software to automate quality control (QC) tasks of ColorEdge monitors across an entire studio or between multiple locations.

These tasks include self-calibration, setting the color modes, activating key lock to prevent unintended changes to color settings (CG series), registering or adjusting asset management settings, and importing/exporting monitor settings.



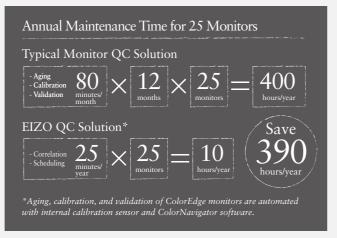
Worry-Free Web Hosting

ColorNavigator Network is hosted on a secure cloud server to free you from the initial investment and running costs of providing your own server.



Significantly Reduce Your Workload

Using ColorNavigator Network with ColorNavigator NX software and ColorEdge monitors in even a modest installation of 25 monitors will save hundreds of hours in annual maintenance costs.



To learn how much you can save, see our time savings calculator. www.eizo.com/global/products/coloredge/time_savings_calculator/index.html

Remote Access Made Easy

The host server for ColorNavigator Network is accessible from any location with Internet connectivity. (Flash support required.)

ColorNavigator NX

ColorNavigator NX offers color and asset management of client ColorEdge monitors. It covers calibration, emulation, built-in sensor correlation, and color mode setting.

Save Calibration Information to the Monitor

With ColorNavigator NX, calibration information is saved to the monitor instead of the workstation's operating system so you do not have to recalibrate the monitor if connecting to more than one workstation.

Set Parameters of Color Modes

To suit the needs of a specific project, you can manually change the brightness, gamma, and white point settings of the monitor's preset color modes such as Adobe RGB and DCI and calibrate to the new values.



Color Mode Name Customization

Give your color mode its own name to avoid confusion about which one to use for a specific project. You can also prevent accidental use of color modes by disabling ones you do not need for your current projects.

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Import/Export Monitor Settings.

Import/export monitor settings including color modes, self-calibration scheduling, and key lock settings. This functionality allows an administrator to set up multiple monitors easily. Settings can only be shared among the same models.

Film Emulation with 3D LUT

ColorNavigator NX creates emulation data from the 3D LUT (look-up table) file of the color grading system's motion picture film. Film emulation is available with up to five of the monitor's color modes (all modes for 4K models) and is ideal for matching the legacy look of film. *Available with the CG series only.*



Register Asset Management Information

Save asset management information to the monitor.



Multi-Platform Compatibility

ColorNavigator Network and NX work with Windows, Macintosh, and Linux operating systems. For installations using Linux that only require administrator-side control of their monitors, EIZO also offers a software called NetAgent that can be used in place of ColorNavigator NX for easy communication with the server.

See page 23 for ColorNavigator compatibility information.

Post Productio

Commitmer to Quality

Stable Image Display Free from Environmental Influence

EIZO-Developed ASIC at the Core

All ColorEdge models come with an ASIC (application-specific integrated circuit) developed by EIZO to meet the needs of the graphics market. The ASIC has its own algorithms used in high-precision color processing to produce smooth color tones.

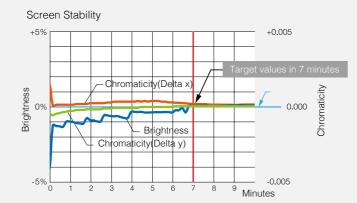
Brightness and Color Uniformity with DUE

Fluctuations in brightness and chromaticity on different parts of the screen are a common trait of LCD monitors. To counteract this, ColorEdge monitors EIZO's patented digital uniformity equalizer (DUE) technology to ensure a Delta-E difference of 3* or less across the screen when they leave the factory. And now DUE also counterbalances the influences that a fluctuating ambient temperature may have on color temperature and brightness to ensure stable image display. *Delta-E difference applicable to CG and CX series only.

Screen Uniformity and Color Temperature Changes

Color That's Ready When You Are

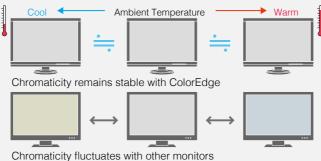
From the time it is turned on it typically takes 30 minutes or longer for a monitor's brightness, chromaticity, and tone characteristics to stabilize. EIZO has shortened this warmup time by more than 75% to a mere 3 minutes for CG 4K monitors and 7 minutes for other CG and CX series monitors. For confirming your work in a photo studio or taking your monitor with you on location, you can get to work right away.



Stable Brightness

An EIZO-patented sensor detects changes in the backlight that cause the monitor's brightness to decline over time and compensate for them. This not only stabilizes the brightness, but also minimizes changes in the color temperature that occur when brightness changes. Another sensor is included that detects changes in the ambient temperature and prevents fluctuations to the chromaticity and gamma. *Not applicable to the CS270 and CS240*.

Temperature-Induced Changes in Chromaticity



Comfort and Convenience

Multiple Inputs

DisplayPort, HDMI, and DVI inputs are included for connecting to various types of graphics boards, The HDMI input also offers direct connection with digital cameras. Two USB upstream ports equipped with most monitors allow two computers to be connected at once so it's not necessary to reconnect the USB cable when using the ColorNavigator software and switching between the two computers. *4K models support USB upstream* × 1 and USB downstream × 3.



Ample Screen Sizes for Creative Work

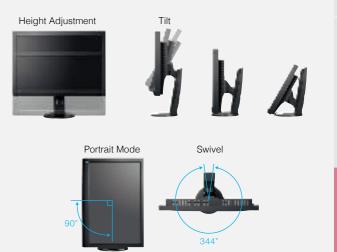
The CG318-4K's 31.1" and CG248-4K's 23.8" screens offer ample space for focusing on 4K content. In addition, the dense 185 ppi of the CG248-4K displays exceptional detail across the entire screen. The CG247, CX241, and CS240 display two A4 pages plus tool palettes on their 24.1-inch screens. The CG277, CX271, and CS270 give you even more room to work with their spacious 27-inch screens and 2560 × 1440 resolution.





Adjustable Stand

Adjust the screen to the most comfortable angle and reposition it to show your work to a colleague or client. The monitor comes with a versatile stand that offers height, tilt, and swivel adjustments as well as portrait mode display. *Portrait mode not available with the CG318-4K stand*.



Shading Hood for Portrait and Landscape Modes

The CG series comes with a unique hood that is designed for both landscape and portrait mode so you can keep the glare off your screen no matter which mode you work in.

Shading hood for CG318-4K and CG248-4K does not support portrait mode. Shading hoods are optional with the CX and CS series.



Color Blindness Simulation

Available on www.eizoglobal.com, UniColor Pro software lets designers see how their color schemes will appear to those with color blindness.



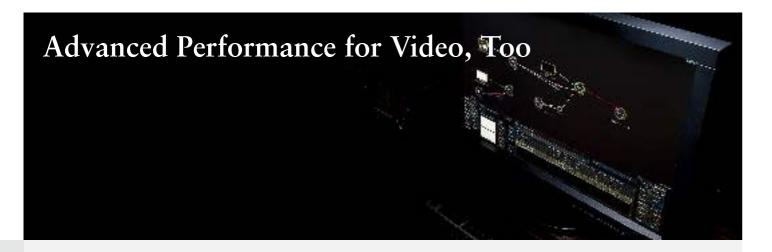
Predictable Color

Stable Image Display

Comfort and Convenience

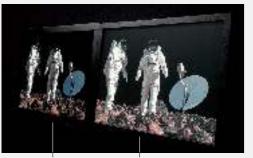
Post Productic

Commitmee to Quality



True Black Display

When viewing the screen from an angle in a dimly lit room, dark tones typically appear washed out due to the display characteristics of LCD backlights. The CG and CX series maintain a high contrast ratio even from an angle which allows the dark tones to retain their depth. Also, you can prioritize a high brightness and contrast ratio over screen brightness uniformity by pressing a button on the front of the monitor.



CG and CX Monitors Conventional Monitor

4K × 2K Downscaling

The ColorEdge CG277 accepts $4K \times 2K$ resolutions of 4096×2160 and 3840×2160 at up to 30 frames/second via the DisplayPort input then downscales them to its native resolution of 2560×1440 . This added functionality makes the ColorEdge CG277 a practical choice for editing when working with the increasingly popular $4K \times 2K$ resolutions used in digital television and digital cinematography.



1080/24p Playback

Film is usually shot at 24 frames/second and looks unnatural when played back on a typical monitor that displays 60 frames/second. The CG series supports a video signal display rate of 24 frames/second so you can edit the film as it was meant to be viewed.

Range Extension

All ColorEdge models give studio professionals the advantage of using the monitor's entire 10-bit grayscale range to see more detail when doing fine editing work in very dark and very light tones. Setting the screen to show the entire 10-bit grayscale range reveals either 6% or 14% more gray tones from 0 (true black) to 1023 (true white) compared to common broadcast signal display range capabilities.

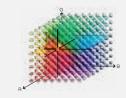
LED Buttons and On-Screen Button Guide

For dimly lit work environments like post production studios, the CG series comes with backlit control buttons and an onscreen button guide to indicate what each button is for.



3D LUT for Accurate Color Display

A 3D LUT is included with the CG series which adjusts colors individually on an RGB cubic table. With the bundled ColorNavigator software's emulation function, the 3D LUT applies a film look to the image so creators can check how it will be seen by their audience. The 3D LUT also improves the monitor's additive color mixture (combination of RGB), which is a key factor in its ability to display neutral gray tones.



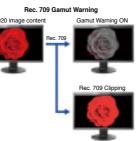
Preset Color Modes

A button on CG series monitors provides quick access to several broadcast-standard color modes reset color modes: Rec. 709, EBU, SMPTE-C, and DCI. 4K models also include a preset mode for Rec. 2020.

Rec. 709 Out of Gamut Warning

ColorEdge 4K monitors include a Gamut Warning Preset. When selected, the areas of a Rec. 2020 image that cannot be reproduced using Rec. 709 are clearly indicated by converting them to chades of grave An

them to shades of gray. An additional mode called Rec. 709 Clipping allows the editor to view Rec. 2020 images with the Rec. 709 color space, simulating how it would look to their audience in an HDTV environment.



A Commitment to Quality and the Environment

5-Year Warranty

ColorEdge monitors are backed by a manufacturer's 5-year warranty that covers all components including the LCD panel. EIZO can do this because it manufacturers its products at its own factories. This allows EIZO to keep close control over production quality and ensure that its monitors are built to last for 5 years.



Brightness and Color Warranty

The brightness and color of the CG series is warranted for up to 10,000 hours from the date of purchase. Monitors must be used within the recommended brightness of 120 cd/m² or less and the color temperature between 5000 - 6500 K.

Mercury-Free LED Backlight

All models come with an energy-saving LED backlight that contains no mercury for minimal environmental impact when eventually disposed of.

■Typical Energy Consumption



Zero Watts When Turned Off

When a ColorEdge monitor is turned off via the power button on its front bezel it consumes no electricity.



Global Collaborations

EIZO and Magnum Ambassador Program



In 2013, EIZO and Magnum Photos announced a global collaboration with the establishment of an ambassador program. 15 photographers and digital directors at Magnum's offices in the USA and Europe have integrated EIZO's ColorEdge

monitors into their color management workflow. These ambassadors are using the monitors for the production of contemporary photos, the restoration of historical Magnum imagery, and to provide objective feedback about their experiences to EIZO.

During the development of the ColorEdge CG277, Magnum photographer Carl De Keyzer tested the monitor and commented, "The calibration system is astonishing – for the first time I can calibrate my screen without professional help. The colors are entirely in line with what comes out of my large printers, so no guessing anymore, just true WYSIWYG."



Carl De Keyzer with the ColorEdge CG277

EIZO and Magnum are also cooperating on creating individual profiles of the ambassadors with insights into their careers, bodies of work, and experiences with EIZO monitors. To see these profiles, please visit: www.eizoglobal.com/magnumphotos/

ICC Contributing Member

EIZO is a contributing member of the International Color Consortium (ICC). The purpose of the ICC is to promote the use and adoption of open, vendor-neutral, cross-platform color management systems.



Post Production

Commitmen to Quality

Specifications





Yes (3 minutes)

Yes

Height, Tilt, Swivel, Portrait Mode

Bundled

Yes

Yes

Yes

Yes

12 months

10,000 hours

Yes





Panel	Туре		IPS	IPS
	Size		31.1" / 79 cm (789 diagonal)	23.8" / 60 cm (60.4 cm diagonal)
	Native Resolution		4096 x 2160 (1.9:1 aspect ratio)	3840 x 2160 (16:9 aspect ratio)
		ble Image Size (H x V)	698 x 368.1 mm	527 x 206.5 mm
	Pixel F		0.1704 x 0.1704 mm	0.1373 x 0.1373 mm
		scale Tones	DisplayPort, HDMI: 1024 tones (a palette of 65,281)	DisplayPort, HDMI: 1024 tones (a palette of 65,281)
	Displa	ay Colors	DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion)	DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion)
	Viewir	ng Angles (H / V, typical)	178°, 178°	178°, 178°
		tness (typical)	350 cd/m ²	350 cd/m ²
		nmended Brightness for Calibration	120 cd/m ² or less	120 cd/m ² or less
		ast Ratio (typical)	1500:1	120 Cd/iii of less
			9 ms (Gray-to-gray)	14 ms (Gray-to-gray)
/ideo Signals	Response Time (typical)			
ideo signais	Input Terminals		DisplayPort x 2 (with HDCP Ver.1.x), HDMI x 2 (with HDCP Ver.1.x, Deep Color)	DisplayPort x 2 (with HDCP Ver.1.x), HDMI x 2 (with HDCP Ver.1.x, Deep Color)
	Digita	I Scanning Frequency (H / V)	DisplayPort: 24.5 - 137.5 kHz / 22.5 - 71.5 Hz	DisplayPort: 24.5 - 137.5 kHz / 22.5 - 71.5 Hz
			HDMI: 14.5 - 135.5 kHz / 22.5 - 71.5 Hz	HDMI: 14.5 - 135.5 kHz / 22.5 - 71.5 Hz
	Analo	g Scanning Frequency (H / V)	-	_
JSB	Functi	ion	1 port for monitor control	1 port for monitor control
			3-port USB hub (including 1 USB battery charge port)	3-port USB hub (including 1 USB battery charge port)
	Stand	lard	USB 3.0	USB 3.0
ower	Power	r Requirements	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz
	Maxim	num Power Consumption	140 W	136 W
	Typica	al Power Consumption	54 W	52 W
	Power	r Save Mode	Less than 9 W	Less than 9 W
	Stand	by Mode	Less than 9 W	Less than 9 W
		r Management	Power Save (DisplayPort Rev. 1.2)	Power Save (DisplayPort Rev. 1.2)
eatures & Functions		t Modes	Color Mode (Custom, Adobe RGB, SRGB, Rec709, EBU, SMPTE-C, DCI, Rec2020, Calibration)	Color Mode (Custom, Adobe RGB, sRGB, Rec709, EBU, SMPTE-C, DCI, Rec2020, Calibration
	A 1.5	EcoView	(Gustoni, Aubue nab, sinab, nec.rus, Ebb, Sivir re-o, Boi, nec.zuzo, odibration)	
hysical Specifications	Dimensions (Landscape, W x H x D)		735 x 434 - 583 x 245 mm	553 x 394 - 544 x 245 mm
	Dimensions (Portrait, W x H x D)		_	345 x 564 - 642 x 245 mm
	Dimensions (Without Stand, W x H x D)		735 x 423 x 65.5 mm	553 x 345 x 64 mm
	Dimensions (Landscape with Hood, W x H x D)		754.4 x 443.6 - 592.6 x 361 mm	572.4 x 553 x 340 mm
	Dimensions (Portrait with Hood, W x H x D)		-	-
	Net Weight		11.3 kg	8.5 kg
	Net Weight (Without Stand)		8.3 kg	5.7 kg
	Net Weight (With Hood)		12.2 kg	9.2 kg
	Height Adjustment Range		149 mm	150 mm
	Tilt		35° Up, 5° Down	35° Up, 5° Down
	Swivel		344°	344°
	Pivot		-	90°
	Hole S	Spacing (VESA Standard)	100 x 100 mm	100 x 100 mm
nvironmental	Temp	erature	Landscape 0 - 35 °C, Portrait 0 - 30 °C	0 - 35 °C
Requirements	Humic	dity (R.H., non condensing)	20 - 80 %	20 - 80 %
Certifications & Standards Please contact the EIZO gro	oup comp	pany or distributor in your country for the latest information.)	CB, CE, TUV/GS, cTUVus, FCC-B, Canadian ICES-003 B, TUV/S, PSE, VCCI-B, CCC, RCM, GOST-R, RoHS, TUV/Ergonomics, RoHS, WEEE	CB, CE, TUV/GS, cTUVus, FCC-B, Canadian ICES-003 B, TUV/S, PSE, VCCI-B, CCC, RCM, GOST-R, RoHS, TUV/Ergonomics, RoHS, WEEE
Varranty			Five Years ^{1,2,3}	Five Years ^{1,2,3}
	Putor	Deville Inc. On View Altern One and		N.
	P12	Built-In Calibration Sensor	Yes	Yes
	P12	Built-In Correction Sensor	-	-
	P14	ColorNavigator 6 Color Management Software	Bundled	Bundled
Predictable Color	P16	ColorNavigator NX Color Management Software	Supported	Supported
	P17	ColorNavigator Network Network Color Management Solution	Supported	Supported
	P13	Factory Calibrated	Yes	Yes
	P13 Wide Color Gamut		Adobe RGB: 99%	Adobe RGB: 99%
	P13	10-Bit Simultaneous Display	Yes	Yes
		Stable Color After Startup	Voc (2 minutoc)	Voc (2 minutoc)

Yes (3 minutes)

Yes

Height, Tilt, Swivel

Bundled

Yes

Yes

Yes

Yes

Yes

12 months

10,000 hours

IPS	IPS	IPS	IPS
27* / 68 cm (684 mm diagonal)	24.1" / 61 cm (611 mm diagonal)	27" / 68 cm (684 mm diagonal)	24.1" / 61 cm (611 mm diagonal)
2560 x 1440 (16:9 aspect ratio)	1920 x 1200 (16:10 aspect ratio)	2560 x 1440 (16:9 aspect ratio)	1920 x 1200 (16:10 aspect ratio)
596.7 x 335.6 mm	518.4 x 324 mm	596.7 x 335.6 mm	518.4 x 324 mm
0.2331 x 0.2331 mm	0.270 x 0.270 mm	0.2331 x 0.2331 mm	0.270 x 0.270 mm
DisplayPort, HDMI: 1024 tones (a palette of 65,281)	DisplayPort, HDMI: 1024 tones (a palette of 65,281)	DisplayPort, HDMI: 1024 tones (a palette of 65,281)	DisplayPort, HDMI: 1024 tones (a palette of 65,281)
DVI: 256 tones (a palette of 65281 tones)	DVI: 256 tones (a palette of 65281 tones)	DVI: 256 tones (a palette of 65281 tones)	DVI: 256 tones (a palette of 65281 tones)
DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion)	DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion)	DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion)	DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion)
DVI: 16.77 million (a palette of 278 trillion)	DVI: 16.77 million (a palette of 278 trillion)	DVI: 16.77 million (a palette of 278 trillion)	DVI: 16.77 million (a palette of 278 trillion)
178°, 178°	178°, 178° 350 cd/m ²	178°, 178° 300 cd/m ²	178°, 178°
300 cd/m ²			350 cd/m ²
120 cd/m ² or less	120 cd/m ² or less	120 cd/m ² or less	120 cd/m ² or less
1000:1	1000:1	1000:1	1000:1
6 ms (Gray-to-gray)	7.7 ms (Gray-to-gray)	6 ms (Gray-to-gray)	7.7 ms (Gray-to-gray)
DVI-D 24 pin (with HDCP), DisplayPort (with HDCP),	DVI-D 24 pin (with HDCP), DisplayPort (with HDCP),	DVI-D 24 pin (with HDCP), DisplayPort (with HDCP),	DVI-I 29 pin (with HDCP), DisplayPort (with HDCP),
HDMI (with HDCP, Deep Color)	HDMI (with HDCP, Deep Color)	HDMI (with HDCP, Deep Color)	HDMI (with HDCP, Deep Color)
DisplayPort, DVI: 26 - 89 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)	DisplayPort, DVI: 26 - 78 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)	DisplayPort, DVI: 26 - 89 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)	DisplayPort, DVI: 26 - 78 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz
HDMI: 15 - 78 kHz, 23.75 - 61 Hz	HDMI: 15 - 78 kHz, 23.75 - 61 Hz (VGA Text: 69 - 71 Hz)	HDMI: 15 - 78 kHz, 23.75 - 61 Hz	HDMI: 15 - 78 kHz, 23.75 - 61 Hz (VGA Text: 69 - 71 Hz
-	-	-	26 - 78 kHz, 47.5 - 61 Hz
2 ports for monitor control	2 ports for monitor control	2 ports for monitor control	2 ports for monitor control
2-port USB hub	2-port USB hub	2-port USB hub	2-port USB hub
USB 2.0	USB 2.0	USB 2.0	USB 2.0
AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz
99 W	83 W	99 W	81 W
43 W	33 W	43 W	32 W
Less than 0.7 W	Less than 0.7 W	Less than 0.7 W	Less than 0.5 W
Less than 0.7 W Less than 0.5 W	Less than 0.7 W Less than 0.5 W	Less than 0.7 W Less than 0.5 W	Less than 0.5 W
Power Save (DisplayPort: Rev. 1.1a, DVI: DVI DMPM)	Power Save (DisplayPort Version 1.1a, DVI DMPM)	Power Save (DisplayPort: Rev. 1.1a, DVI: DVI DMPM)	Power Save (VESA DPM, DisplayPort Version 1.1a, DVI DMPM)
Color Mode	Color Mode	Color Mode	Color Mode
Custom, Adobe RGB, sRGB, Rec709, EBU, SMPTE-C, DCI, Calibration)	(Custorn, Adobe RGB, sRGB, REC709, EBU, SMPTE-C, DCI, Calibration)	(Custom, Paper, Adobe RGB, sRGB, Calibration)	(Custom, Paper, Adobe RGB, sRGB, Calibration)
_	_	Yes (Default: Disabled)	Yes (Default: Disabled)
646 x 425 - 576.5 x 281.5 mm	575 x 417 - 545 x 245.5 mm	646 x 425 - 576.5 x 281.5 mm	575 x 417 - 545 x 245.5 mm
402 x 671 - 704 x 281.5 mm	398 x 594.5 - 642.5 x 245.5 mm	402 x 671 - 704 x 281.5 mm	398 x 594.5 - 642.5 x 245.5 mm
646 x 402 x 92 mm	575 x 398 x 75 mm	646 x 402 x 92 mm	575 x 398 x 75 mm
653 x 432.5 - 584 x 379.5 mm	582.5 x 425 - 553 x 369 mm	_	_
410.5 x 679 - 712 x 379.5 mm	406 x 602.5 - 650.5 x 369 mm	-	-
12.8 kg	9.1 kg	12.8 kg	9.0 kg
8.8 kg	6.5 kg	8.8 kg	6.4 kg
13.8 kg	9.9 kg	_	_
151.5 mm	128 mm	151.5 mm	128 mm
25° Up, 0° Down	30° Up, 0° Down	25° Up, 0° Down	30° Up, 0° Down
344°	344°	344°	344°
90°	90°	90°	90°
100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm
0 - 35 °C		0 - 35 °C	0 - 35 °C
	0 - 35 °C		
20 - 80 %	20 - 80 %	20 - 80 % CB, TÜV/GS, CE, cTÜVus, FCC-B, Canadian ICES-	20 - 80 %
CB, TÜV/GS, CE, cTÜVus, FCC-B, Canadian ICES- 003-B, VCCI-B, TÜV/Ergonomics, c-Tick, GOST-R,	CE, TÜV/GS, cTUVus, FCC-B, Canadian ICES-003-B, VCCI-B, TÜV/Ergonomics, c-Tick, RoHS, WEEE,	003-B, VCCI-B, TÜV/Ergonomics, c-Tick, GOST-R,	CE, TÜV/GS, cTÜVus, FCC-B, Canadian ICES-003-B, VCCI-B, TÜV/Ergonomics, c-Tick, RoHS, WEEE,
RoHS, WEEE, CUDO certified mark, Class A FograCert	GOST-R, Class A FograCert Softproof Monitor	RoHS, WEEE, CUDO certified mark	GOST-R
Softproof Monitor	GUST-R, Class A Fogracen Solipiool Monitor	ROHS, WEEE, CODO Certilieu Mark	dosi-h
Five Years 1, 2, 3	Five Years 1, 2, 3	Five Years 1,3	Five Years ^{1,3}
Yes	Yes	-	-
_	-	Yes	Yes
	D	D	
Bundled	Bundled	Bundled	Bundled
Supported	Supported	Supported	Supported
Supported	Supported	Supported	Supported
Vee	Vee	Vez	Vaa
Yes	Yes	Yes	Yes
Adobe RGB: 99%	Adobe RGB: 99%	Adobe RGB: 99%	Adobe RGB: 99%
N.	N/	Yes	Yes
Yes	Yes		
Yes (7 minutes)	Yes (7 minutes)	Yes (7 minutes)	Yes (7 minutes)
Yes (7 minutes) Yes	Yes (7 minutes) Yes	Yes (7 minutes) Yes	Yes
Yes (7 minutes)	Yes (7 minutes)	Yes (7 minutes)	
Yes (7 minutes) Yes	Yes (7 minutes) Yes	Yes (7 minutes) Yes	Yes
Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode	Yes Height, Tilt, Swivel, Portrait Mode
Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Optional	Yes Height, Tilt, Swivel, Portrait Mode Optional
Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Optional Yes	Yes Height, Tilt, Swivel, Portrait Mode Optional
Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes Yes Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Optional Yes	Yes Height, Tilt, Swivel, Portrait Mode Optional
Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes Yes Yes Yes Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes Yes Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Optional Yes – – –	Yes Height, Tilt, Swivel, Portrait Mode Optional Yes — — — —
Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes Yes Yes Yes Yes Yes Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes Yes Yes Yes - Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Optional Yes – – – – Yes	Yes Height, Tilt, Swivel, Portrait Mode Optional Yes — — — Yes
Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes Yes Yes Yes Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Bundled Yes Yes Yes	Yes (7 minutes) Yes Height, Tilt, Swivel, Portrait Mode Optional Yes – – –	Yes Height, Tilt, Swivel, Portrait Mode Optional Yes — — — —

¹ Usage time is limited to 30,000 hours.

Commitment to Quality P21

² Brightness is warranted for up to 10,000 hours if it is used within the recommended brightness of 120 cd/m² or less and the color temperature between 5000 – 6500 K.

³ The RGB full pixel failure is zero for up to 12 months after date of purchase based on ISO 9241-307 (pixel failure class I).

12-Month Pixel Failure Warranty³

Brightness and Color Warranty²

Stable Color After Startup

Stand Adjustment

True Black Display

4K x 2K Resolution

Range Extension

Backlit Control Buttons

3D Look-Up Table (LUT)

Shading Hood

Brightness and Color Uniformity with DUE

With current LCD technology, a panel may contain a limited number of missing or flickering pixels.





Specifications



CS270 27"





CS230 23"

12 months

Accessories

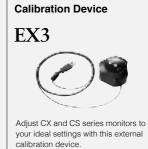
Shading Hoods

CH7 Supported Models: CG247, CX241, CS240 CH7 is bundled with the CG247.

CH6 Supported Model: CS230 CH5 Supported Models: CG277, CX271, CS270

CH5 is bundled with the

CG277.



ColorNavigator 6 System Requirements (as of June 2015) See www.eizoglobal.com for latest information.

Compatible OS	Macintosh	Windows		
	OS X Yosemite (10.10) / Mavericks (10.9) / Mountain Lion (10.8) / Mac OS X 10.7.5	Windows 8.1 (32-b 7 (32-bit, 64-bit)		
Additional Requirements	Apple Macintosh that fulfills the OS system requirements	PC that fulfills the C		
	 Two or more available USB ports Minimum 16.7 million display colors Recommended minimum resolution of 1024 x 768 			
ColorNavigator 6	Compatible Measurement Devices			
Manufacturers	Supported Sensors	Notes		
X-Rite	i1 Monitor, i1 Pro, i1 Pro2, i1 Display, i1 Display 2, i1 Display 3, i1 Display Pro	Ambient light adjust Monitor and i1 Disp		
	ColorMunki PHOTO, ColorMunki DESIGN	ColorMunki Display a		
DataColor	Spyder 3, Spyder 4, Spyder 5	Ambient light adju		
EIZO	EX1, EX2, EX3	prioritizing function		
	Built-in calibration sensor	Ambient light adjust measurement are r calibration using so available.		
basICColor	DISCUS			
Klein	K-10	Ambient light adj measurement are		
Konica Minolta	CA-210, CA-310, CS-1000, CS-1000A, CS-2000, CS- 2000A, CS-200	Ambient light adj measurement are Driver not include		
Photo Research	PR-655, PR-680	Ambient light adj measurement are		

ColorNavigator NX (as of June 2015)

See www.eizoglobal.com for latest information. Compatible OS Macintosh Windows OS X Yosemite (10.10) / Mavericks (10.9) / Mountain Lion (10.8) / Mac OS X 10.7.5 Windows 8.1 (32-b 7 (32-bit, 64-bit) ColorEdge CG Series with built-in calibration sensor
 ColorEdge CX Series Supported Monitors ColorNavigator NX Compatible Measurement Devices Manufacturers Supported Sensors X-Rite i1 Monitor, i1 Pro, i1 Pro 2 i1 Display 3, i1 Display Pro ColorMunki PHOTO, ColorMunki DESIGN DataColor Spyder3, Spyder 4, Spyder 5 EIZO EX1, EX2, EX3 Built-in calibration sensor basICColor DISCUS Klein K-10 CA-210, CA-310, CS-1000, CS-1000A, CS-2000, CS-2000A, CS-200 Konica Minolta Photo Research PR-655, PR-680

Panel	Туре		IPS	IPS	IPS
	Size		27" / 68 cm (684 mm diagonal)	24.1" / 61 cm (611 mm diagonal)	23" / 58 cm (584 mm diagonal)
	Native	e Resolution	2560 x 1440	1920 x 1200 (16:10 aspect ratio)	1920 x 1080 (16:9 aspect ratio)
	Viewa	able Image Size (H x V)	596.7 x 335.6 mm	518.4 x 324 mm	509.2 x 286.4 mm
	Pixel I	Pitch	0.2331 x 0.2331 mm	0.270 x 0.270 mm	0.2652 x 0.2652 mm
	Grays	scale Tones	DisplayPort, HDMI: 1024 tones (a palette of 65,281)	DisplayPort, HDMI: 1024 tones (a palette of 65,281)	DisplayPort: 1024 tones (a palette of 65,281)
			DVI: 256 tones (a palette of 65,281)	DVI: 256 tones (a palette of 65,281 tones)	DVI, HDMI: 256 tones from a palette of 65,281 tones
	Displa	ay Colors	DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion)	DisplayPort, HDMI: 1.07 billion (a palette of 278 trillion)	DisplayPort: 1.07 billion (a palette of 278 trillion)
			DVI: 16.77 million (a palette of 278 trillion)	DVI: 16.77 million (a palette of 278 trillion)	DVI, HDMI: 16.77 million (a palette of 278 trillion)
	Viewir	ng Angles (H / V, typical)	178°, 178°	178°, 178°	178°, 178°
	Bright	tness (typical)	300 cd/m ²	350 cd/m ²	300 cd/m ²
	Recor	mmended Brightness for Calibration	120 cd/m ² or less	120 cd/m ² or less	120 cd/m ² or less
	Contra	ast Ratio (typical)	1000:1	1000:1	1000:1
	Respo	onse Time (typical)	15 ms (Gray-to-gray)	7.7 ms (Gray-to-gray)	10.5 ms (Gray-to-gray)
Video Signals	Input	Torminala	DVI-D 24 pin (with HDCP), DisplayPort (with	DVI-I 29 pin (with HDCP), DisplayPort (with	DVI-I 29 pin (with HDCP), DisplayPort (with
	Input	Terminals	HDCP), HDMI (with HDCP, Deep Color)	HDCP), HDMI (with HDCP, Deep Color)	HDCP), HDMI (with HDCP)
	Digita	al Scanning Frequency (H / V)	DisplayPort, DVI: 26 - 89 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)	DisplayPort, DVI: 26 - 78 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)	DisplayPort, DVI: 26 - 68 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)
			HDMI: 15 - 78 kHz, 23.75 - 63 Hz	HDMI: 15 - 78 kHz, 23.75 - 61 Hz (VGA Text: 69 - 71 Hz)	HDMI: 15 - 68 kHz, 23.75 - 61 Hz
	Analo	g Scanning Frequency (H / V)	_	26 - 78 kHz, 47.5 - 61 Hz	26 - 68 kHz, 47.5 - 61 Hz
USB	Funct	ion	2 ports for monitor control	2 ports for monitor control	2 ports for monitor control
			2-port USB hub	2-port USB hub	2 port of USB hubs
	Stand	lard	USB 2.0	USB 2.0	USB 2.0
Power	Powe	r Requirements	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz
	Maxin	num Power Consumption	86 W	68 W	54 W
	Typic	al Power Consumption	34 W	27 W	21 W
	Powe	r Save Mode	Less than 0.7 W	Less than 0.5 W	Less than 0.5 W
	Stand	lby Mode	Less than 0.5 W	Less than 0.5 W	Less than 0.5 W
	Powe	r Management	Power Save (DisplayPort: Rev. 1.1a, DVI: DVI DMPM)	Power Save (VESA DPM, DisplayPort Version 1.1a, DVI DMPM)	Power Save (VESA DPM, DisplayPort Version 1.1a, DVI DMPM)
Features & Functions	Prese	t Modes	Color Mode	Color Mode	Color Mode
			(Custom, Paper, Adobe RGB, sRGB, Calibration)	(Custom, Paper, Adobe RGB, sRGB, Calibration)	(User1, User2, User3, Paper, sRGB, Calibration)
	Auto I	EcoView	_	_	Yes
Physical Specifications	Dimer	nsions (Landscape, W x H x D)	646 x 413 - 561 x 245 mm	575 x 423 - 553 x 245 mm	544 x 372.5 - 526.5 x 245.5 mm
	Dimer	nsions (Portrait, W x H x D)	402 x 657 - 688 x 245 mm	398 x 586 - 651 x 245 mm	353 x 563.5 - 627 x 245.5 mm
	Dimer	nsions (Without Stand, $W \times H \times D$)	646 x 402 x 72.5 mm	575 x 398 x 71 mm	544 x 353 x 75 mm
		nsions (Landscape with Hood, W x H x D)	_	_	_
		nsions (Portrait with Hood, W x H x D)	-	-	-
		/eight	10.6 kg / 23.4 lbs	8.7 kg	7.5 kg
		/eight (Without Stand)	7.7 kg / 17.0 lbs	6 kg	4.8 kg
		/eight (With Hood)	-	-	-
		nt Adjustment Range	148 mm	130 mm	154 mm
	Tilt		35° Up, 5° Down	35° Up, 5° Down	30° Up, 0° Down
	Swive	3	344°	344°	344°
	Pivot		90°	90°	90°
	-	Spacing (VESA Standard)	100 x 100 mm	100 x 100 mm	100 x 100 mm
Environmental	· ·	perature	0 - 35 °C	0 - 35 °C	0 - 35 °C
Requirements		dity (R.H., non condensing)	20 - 80 %	20 - 80 %	20 - 80 %
Certifications & Standard (Please contact the EIZO for the latest information.)	group o	company or distributor in your country	CB, CE, TUV/GS, cTUVus, FCC-B, Canadian ICES-003-B, VCCI-B, TUV/Ergonomics, RCM, GOST-R, RoHS, WEEE	CB, CE, TUV/GS, cTUVus, FCC-B, Canadian ICES-003-B, VCCI-B, TUV/Ergonomics, RCM, RoHS, WEEE, GOST-R	CUDO certified mark, TCO Displays 5.2, TÜV/ S, TUV/Ergonomics, TÜV/GS, cTÜVus, CE, c-Tick, CB, VCCI-B, FCC-B, Canadian ICES- 003-B, RoHS, WEEE
Warranty			Five Years ^{1, 3}	Five Years 1	Five Years ^{1, 3}
	P12	Built-In Calibration Sensor	-	-	-
	P12	Built-In Correction Sensor	_	-	Yes
	P14	ColorNavigator 6 Color Management Software	Bundled	Bundled	Bundled
Predictable Color	P16	ColorNavigator NX Color Management Software	-	-	-
	P17	ColorNavigator Network Network Color Management Solution	-	-	-
	P13	Factory Calibrated	Yes	Yes	Yes
	P13	Wide Color Gamut	Adobe RGB: 99%	Adobe RGB: 99%	-
	P13	10-Bit Simultaneous Display	Yes	Yes	Yes
Stable Image Display	P18	Stable Color After Startup	Yes (30 minutes)	Yes (30 minutes)	Yes (30 minutes)
Stable image Display	1 10	Brightness and Color Uniformity with DUE	Yes	Yes	Yes
Comfort and Convenience	D10	Stand Adjustment	Height, Tilt, Swivel, Portrait Mode	Height, Tilt, Swivel, Portrait Mode	Height, Tilt, Swivel, Portrait Mode
Convenience	115	Shading Hood	Optional	Optional	Optional
		True Black Display	-	-	-
		Backlit Control Buttons	_	-	-
Post Production	P20	3D Look-Up Table (LUT)	-	-	-
		4K x 2K Resolution	-	-	-
		Range Extension	Yes	Yes	Yes
		12-Month Pixel Failure Warranty ³	12 months	12 months	12 months

¹ Usage time is limited to 30,000 hours.

² Brightness is warranted for up to 10,000 hours if it is used within the recommended brightness of 120 cd/m² or less and the color temperature between 5000 – 6500 K.

12 months

12 months

³ The RGB full pixel failure is zero for up to 12 months after date of purchase based on ISO 9241-307 (pixel failure class I).

With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

12-Month Pixel Failure Warranty³

Brightness and Color Warranty²

Monitor Cleaning Kit

ScreenCleaner^{**}

Wipe away dust and fingerprints with this screen cleaner kit. Includes pump spray and cloth. Bundled with the CG series.



Quality Control Software

ColorNavigator⁻ Network

Contact the EIZO group company or sales distributor in your country for information about availability of ColorNavigator Network.



-bit, 64-bit) / 8 (32-bit, 64-bit) /

OS system requirements

ustment is not available with the i1 splay

and ColorMunki Smile are not supported. justment and gray balance on are not available.

justment and paper white e not available and therefore such measured values is not

djustment and paper white re not available.

djustment and paper white re not available

ded with ColorNavigator 6.

djustment and paper white re not available.

	Linux
bit, 64-bit) / 8 (32-bit, 64-bit) /	Red Hat Enterprise Linux Workstation 6

Notes
ColorMunki Display and ColorMunki Smile are not supported. Not compatible with Linux*
Not compatible with Linux
Not compatible with Linux
Not compatible with Mac OS X or Linux Driver not included with ColorNavigator NX
Not compatible with Mac OS X or Linux Driver not included with ColorNavigator NX

EIZ Corporation

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