



## **EIZO CE240W-DI**

24" Colour Graphic LCD-Monitor in 16:10 Format – Creator Edition

With a 24" widescreen and 1920 x 1200 resolution the EIZO Creator Edition CE240W-DI offers 10-bit hardware calibration for the accurate colour control required in CAD, graphic design, printing, and digital photography. Its Overdrive Circuit ensures fast response times, making it ideal for video editing and animation. The CE240W-DI is an enhanced version of the EIZO CE240W to support 48/50 Hz signals suitable for 3D computer graphics creator. For example to create visual effects for movies, animation and within game production studios.

- ◆ Hardware calibration of Brightness, White point and Gamma
- ◆ Supports 48/50 Hz signals suitable for the film editing industry
- ◆ ColorNavigator CE-Software included
- ◆ 10-Bit-Look-Up-Table and 14-Bit-Colour Processing
- ◆ Direct Backlight
- ◆ Contrast 1000:1, Brightness 450 cd/m<sup>2</sup>
- ◆ Dynamic Motion Picture Overdrive



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# EIZO CE240W-DI

## Features

### Accurate Colour Calibration

The EIZO-developed ColorNavigator CE software comes bundled with ColorEdge CE model and offers 10-bit hardware calibration. Adjustments for brightness can be made between 80 and 400 cd/m<sup>2</sup>, colour temperature between 4000 and 10000 K and for gamma values between 1 and 2.6

### Precise Colour Control

The colour reproduction is controlled via an internal 10-Bit-Look-Up-Table (LUT). A more exact gradation of colour is possible compared to the usual 8-Bit-LUTs. That is, the colour control takes place with 1024<sup>3</sup> (30 bits) instead of with 256<sup>3</sup> (24 bits) gradation, for extremely accurate calibration of the achromatic point.

### 14-Bit-Processing

EIZO's powerful new ASIC (Application Specific Integrated Circuit) provides 14-bit colour processing capability for smooth, accurate greyscale and colour rendering even in darker tones, which are typically difficult for LCD monitors to reproduce accurately

### Outstanding Image Quality

With the resolution of 1920 x 1200 pixels, a contrast ratio of 1000:1 and a brightness of 450 cd/m<sup>2</sup> results in a first-class image quality with clear images and sharp text outlines. An evenly distributed high contrast of colours and grey tones is displayed even at the panel corners.

### Dynamic Motion Picture Overdrive

An overdrive circuit helps in producing a mid tone response time of just 8ms resulting in a smooth image flow by adjustment of the voltage input for each frame and thus ensuring clarity and sharpness of moving images.

### 3-mode Fine Contrast

Fine Contrast lets you "fine-tune" the image for the type of application being used. It includes three modes: sRGB, Custom (user-defined settings), and CAL (for ColorNavigator CE calibration software) which can be selected via a handy button on the front bezel.

### Digital and Analogue Inputs

Dual DVI-I-inputs permit the simultaneous connection of two computers.

### ArcSwing 2 Stand

This EIZO-developed stand provides an arc-shaped range of movement so the screen can be positioned up high near eye level or lowered at an angle akin to reading a book for a more natural viewing posture.

### Certifications



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

1. Average response time measured between each grayscale level of 31, 63, 95, 127, 159, 191, and 223.



## Specifications

Panel Type	61 cm (24") 16:10-Format
Available Cabinet Colour	Black or White
Active Display Size	518.4 mm (Width) x 324 mm (Height)
Viewable Image Size	Diagonal: 611 mm
Native Resolution	1920 x 1200 pixels
Pixel Pitch	0.27 mm x 0.27 mm
Display Colours	16.77 million
Look-up Table	10-bits per colour
Internal Processing	14-bits per colour
Brightness	450 cd/m <sup>2</sup>
Contrast	1000:1
Viewing Angles	Horizontal: 178°; Vertical: 178°
On/Off Response time	16 ms (typical)
Midtone Response time <sup>1</sup>	8 ms (typical)
Features	Hardware-calibration for Brightness, White point and Gamma correction, 10-Bit-Look-Up-Table for precise 30-bit colour control, 14-Bit-Processing, Dynamic Motion Picture Overdrive, Direct Backlight, Automatic full image and position, On-Screen Display, PowerManager VESA DPMS, Plug & Play VESA DDC1/2B, Integrated power pack
Adjustable Functions	Brightness, Gamma, Contrast, Colour saturation for RGB and CMY, Clock, Phase, Position, Resolution, Multiple OSD-Languages (German, English, French, Spanish, Italian)
Resolutions	1920 x 1200 full picture 1:1 1920x1154 With 1280x720 with 60p or 59.94p - with 1920x1080 with 60i or 59.94i - with 1920x1080 with 50, 25p or 25psf - with 1920x1080 with 24p or 24psf - with 1920x1080 with 23.9p or 23.9 psf Refresh rate when using digital input signal in Hz
Horizontal frequency	24 - 94 kHz (Digital: 31 - 76 kHz)
Vertical frequency	49 - 86 Hz (Digital: 47.95 - 61 Hz)
Dot Clock	202.5 MHz (Digital: 162 MHz)
Input signals	RGB Analogue, DVI (TMDS)
Input Terminals	DVI-I 29 pin x (switchable)
Plug & Play	VESA DDC 2B
Power Save Settings	VESA DPMS, DVI-DMPM
Power Consumption	Max. 110 Watt, Less than 2 Watt in Off-Mode, Auto switch off
Dimensions (WxHxD)	566 mm x (359 mm to 480) x 230 mm, 566 mm x 396 x 85 mm (without Stand)
Weight	10.2 kg, 7.8 kg (without Stand)
Swivel/Tilt	172° right/left, 60°/5° up/down
Height Adjustment	95 mm
Certifications	CE, TÜV GS, TÜV Ergonomic, ISO 13406-2, TCO'03 (white), TCO'99 (black), c-Tick, CB, UL, CSA, FCC-B, Canadian ICES-003-B, TÜV/S, VCCI-B, EPA ENERGY STAR, CCC RoHS, WEEE, EIZO Eco Products 2004
USB-ports	1 Up-stream, 2 Down-Stream, Rev. 2.0
Supplied Accessories	Manuals in German, English and French, ColorNavigator CE, AC Power cord, USB-cable, Signal cable (D-Sub-DVI-D) and Signal cable (DVI-D-DVI-D)
Warranty	5 Years (subject to conditions)

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