

FOR COMEDY,
DRAMA
AND ACTION.



always outstanding

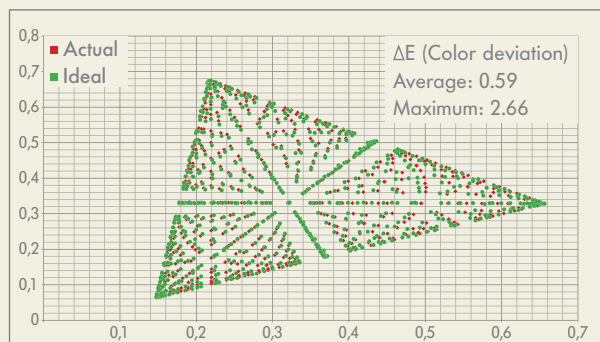
 **EIZO**[®]
high-end-monitors

THE PERFECT CAST
FOR ALL ROLES.
CG232W.

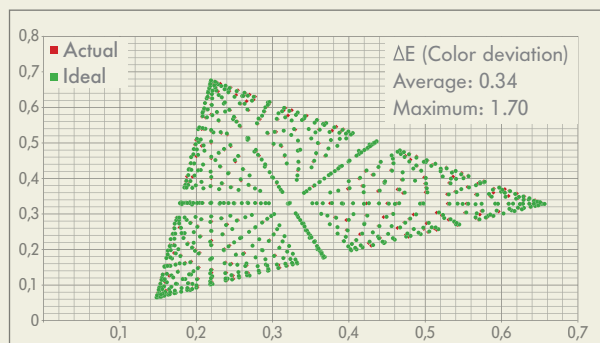


3D LUT with 16 bit processing for precise colours.

A 3D Look-Up-Table (LUT) with 12 bit data width, together with 16 bit colour processing ensures perfectly smooth transitions and perfect colour scale progress. The visible result is then maximally differentiated, which results in a colour reproduction without the interfering edges and stripes in colour transition. Thanks to displaying even the least visible colour nuances, this monitor overcomes the strictest demands on professional picture and video processing. Automatic calibration using the additional USB sensor, contributes to perfect colour processing.



Without 3D-LUT: visible deviations in colour reproduction



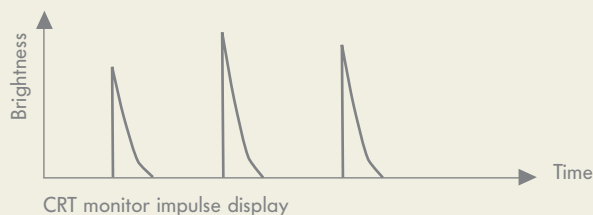
With 3D-LUT: deviations are no longer visible

Precise signal reproduction including I/P conversion and Pseudo-Interlace.

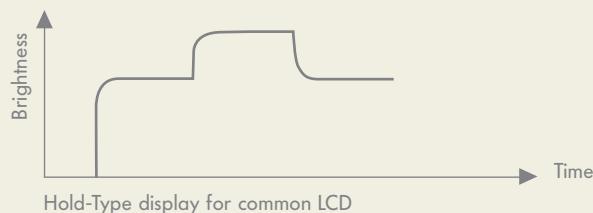
Extensive numbers of special functions for signal processing support precise picture reproduction for interlacing and progressive signals. The signal interface accurately converts interlaced signals to the image. It does it quickly and with an imperceptible delay. Low Frame Rate values for PsF signals are doubled without artefacts being created, achieving a stable picture. Black lines can be added for interlaced display simulation using the Pseudo-Interlace function.

Perfect motion picture thanks to Black Frame Insertion.

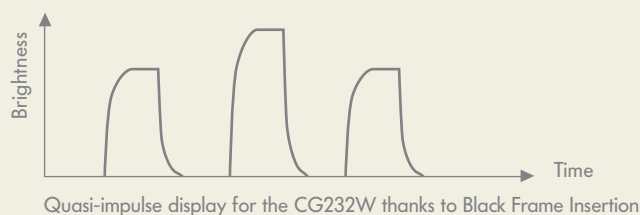
Motion Blur, which is typical for LCD panels, is limited during the activation of Black Frame Insertion. For this purpose, EIZO uses a high refresh rate, provided by a special LCD module used in the CG232W. Result: First class motion picture reproduction without interfering shadows.



CRT monitor impulse display



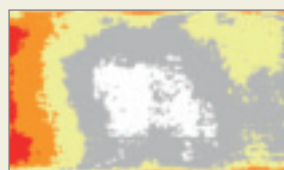
Hold-Type display for common LCD



Perfect colour uniformity and brightness homogeneity in real time.

The integrated Digital Uniformity Equalizer manages colour uniformity and the even brightness distribution. The displaying of colour tones and brightness is constantly controlled throughout the entire display area. Unwanted unevenness is automatically evened in real time thanks to a special chip. Result: The same colour tone appears the same throughout the entire display – in the middle or at the edges.

ΔE*ab RGB signal = 128 / 50% grey
0,0 – 1,5 1,5 – 3,0 3,0 – 4,5 4,5 – 6,0 6,0 – 9,0



Without Digital Uniformity Equalizer: The eye is capable of registering deviations as of 3ΔE.



Using the Digital Uniformity Equalizer: Deviations below the 2ΔE value are no longer registered by the eye.

THE IDEAL CHOICE FOR EDITING AND ANIMATION. CG241W AND CG242W.



Wide Gamut with perfect colour management.

EIZO offers the CG241W and CG242W monitors for professions, which do not use HD or SD-SDI inputs. These 24 inch monitors will bring satisfaction thanks to their absolutely true colour reproduction, extra large area and automatic calibration support, also offered with the CG232W model. Each colour tone is precisely measured during production – bit per bit, from 0 to 255 and for each RGB component. Thanks to the 3D Look-Up-Table (LUT), the CG242W monitor offers the ideal gradational features and perfect colour transitions for consistent colour reproduction.

Recommended for all common editing and animation programs.

The CG241W and CG242W monitors are equipped with a Digital Uniformity Equalizer system and 16 bit colour processing for an absolutely detailed image. Full-HD RGB signals are displayed with 24p (CG242W) refresh rates as well as 47.5p to 60p, in order to secure compatibility with various editing and animation programs – for example developed by Avid or Autodesk.

High-End for film and television production.

EIZO is without a doubt best of class in terms of technology and its monitors have become a sort of quality standard throughout the world. With the CG232W, EIZO presents an LCD monitor complying with all specific technical requirements of professional movie and television production.

23 inches in Full HD with 10 bit.

The 23 inch panel offers a 1 920 x 1 200 pixel resolution with 10 bit technology. This represents one billion colours with precise colour and gray transitions. The CG23W does not show any signs of movement non-sharpness during fast image changes and excels in high true Full-HD signal reproduction with excellent quality.

Maximum compatibility thanks to universal input signals.

The CG232W monitor perfectly copes with HD-SDI Dual Link, HD-SDI Single Link, SD-SDI, DVI (TMDS) and RGB analogue signals. It not only supports various computer and video signals, but also the necessary display rates and frequencies. This monitor assumes all of the tasks of the past, where additional modules or other types of monitors were needed. The spectrum of use is therefore very extensive. Starting with the production and post production, as well as ending as a control and mastering monitor.

Perfect colour management with predefined colour space.

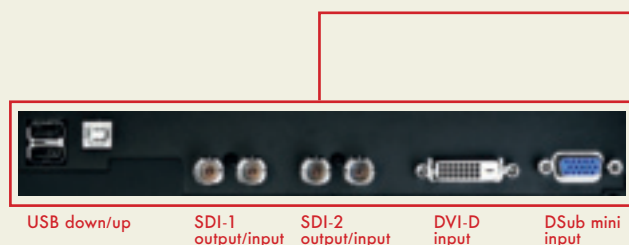
Predefined are the white pixel, Gamma and primary RGB component values of standard colour spaces sRGB, EBU, Rec709, SMPTE-C and D-Cinema, which can be triggered with a single button. The backlight regulation system, patented by EIZO, takes care of the constant brightness immediately after the monitor is turned on.

Maximum safety thanks to factory calibration.

In order to ensure optimum colour reproduction, EIZO monitors are inspected after each production step and finally calibrated using special highly accurate devices. This demanding process guarantees the consistent colour temperature for all shades immediately from production - for each CG232W monitor from the entire series.

Automatic calibration for colour consistency.

Automatic calibration guarantees absolutely consistent colour reproduction throughout the monitor's entire service life. User calibration (Post-LUT) always comes from the precise factory calibration settings (Pre-LUT).





EIZO LCD monitors	CG2432W	CG242W	CG241W
Panel size [cm/inches]	57/22.5 (16:10 aspect ratio)	61/24.1 (16:10 aspect ratio)	61/24.1 (16:10 aspect ratio)
Cabinet colour	Black	Black	Black
Viewable image size (width x height) [mm]	484 x 302	518 x 324	518 x 324
LCD resolution (W x H)	1.920 x 1.200	1.920 x 1.200	1.920 x 1.200
Displayable colors (shades of R, G, B)	1 billion (10 bit)	16.7 mil. (8 bit)	16.7 mil. (8 bit)
Look-Up-Table (pallet)	3D-LUT, 68 bil. colors (36 bit)	3D-LUT, 68 bil. colors (36 bit)	68 bil. colors (36 bit)
Colour space, max.	sRGB, EBU, Rec 70: 100%, NTSC: 93,4%, DCI: 89%, Adobe RGB: 98%	sRGB: 99%, NTSC: 102%, Adobe RGB: 97%	sRGB: 98%, NTSC: 92%, Adobe RGB: 96%
Brightness, max. [cd/m²]	380	270	300
Contrast, max.	720:1	1.100:1	850:1
Viewing angle, horizontal	176°	178°	178°
Viewing angle, vertical	176°	178°	178°
LCD technology	S-IPS	S-PVA	S-PVA
Refresh rate [Hz]	47,5 to 120	47,5 to 60	47,5 to 60
Features			
Hardware calibration for brightness, white pixel and Gamma	◆	◆	◆
Wide Gamut	◆	◆	◆
12-Bit-Look-Up-Table	◆	◆	◆
16-Bit-processing	◆	◆	◆
Digital Uniformity Equalizer	◆	◆	◆
Black Frame Insertion	◆	—	—
Pseudo-Interlace	◆	—	—
I/P conversion	◆	—	—
HDCP-decoder (DVI-D)	◆	◆	◆
USB V2.0, Powered Hub	◆	◆	◆
Signal formats			
Dual-Link HD-SDI signals	◆	—	—
10-Bit 4:4:4 RGB/YpPr	1.920x1.080-50i/60i and 24/25/30p/PsF	—	—
10-Bit 4:4:4 RGB	2.048x1.080-24p/PsF	—	—
10-Bit 4:2:2 YpPr	1.920x1.080-50p/60p	—	—
HD- and SD-SDI	◆	—	—
4:2:2 YpPr/YCbCr	1.920x1.080-60i/50i and 30/29,9/25/24/23,9p/PsF, 720/50p, 720/60p, 575/50i, 487/60i	—	—
RGB analog (up to 1.920x1.200) [Hz]	23,75 to 86	47,5 to 120	47,5 to 120
RGB digital/TMDS (DVI) (up to 1.920x1.200) [Hz]	1.080p at 23,75 to 63	1.080p at 23,75 to 63	1.080p at 47,5 to 63
Preset Color Modes			
Seven optional settings for White point, RGB values and Gamma:	Custom/sRGB/EBU/Rec709/SMPTE-C/DCI/CAL	Custom/Text/sRGB/Emulation/CAL	Custom/Text/sRGB/Emulation/CAL
Electrical specifications			
Horizontal frequency, analog [kHz]	26 to 92	24 to 130	24 to 94
Horizontal frequency, digital [kHz]	26 to 78	26 to 78	26 to 78
Vertical frequency, analog [Hz]	23,8 to 86	47,5 to 120	47,5 to 120
Vertical frequency, digital [Hz]	23,75 to 63	23,75 to 63	47,5 to 63
Pixel frequency, analog/digital [MHz]	162/164,5	204/164,5	202,5/165
Power consumption [W], max./Stand-by	110/1,2	110/1	110/2
Connectors			
Signal connectors	2 BNC inputs and 2 BNC outputs 2 HD-SDI or 2 SD-SDI 1 HD-SDI Dual Link (10 Bit) 1 DVI-D, 1 DSub	Display Port, DVI-I	2 x DVI-I
USB interface, upstream/downstream	1/2 (Hub), Rev. 2.0	1/2 (Hub), Rev. 2.0	1/2 (Hub), Rev. 2.0
Dimensions			
Dimensions WxHxD [mm] (including stand)	567x(481 to 599)x255	566x(456 to 538)x230	566x(456 to 538)x230
Net weight [kg]	13,4	11	11
Height Adjustability [mm]	118	82	82
Rotation/tilt [°] (right and left/backwards)	35/40	35/40	35/40
Warranty			
onsite exchange	5 years	5 years	5 years

Subject to updates.