



EV2457-BK

Your advantages



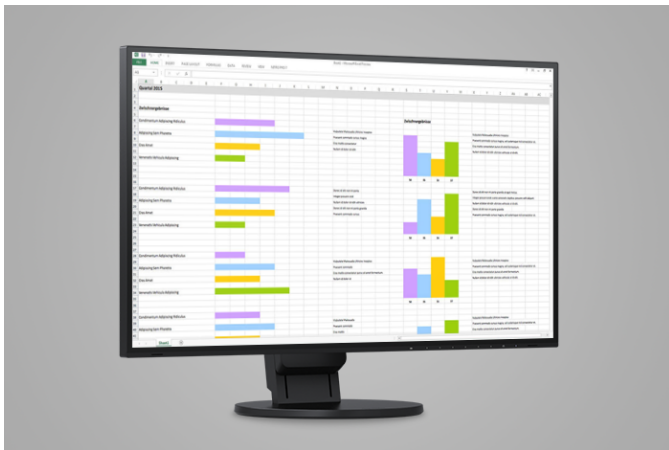
The EV2457 stands out due to its extremely narrow bezel and its compact, attractive design which saves desk space. In terms of image quality and ergonomics, the 24.1" screen with 16:10 aspect ratio caters for sophisticated computer workstations with the highest demands. Antireflection technology and Auto Eco-View ensure a glare-free view of the screen. The LCD featuring IPS technology ensures the greatest possible viewing angle so that colours and contrasts remain stable for the user. The EV2457 is a pleasure to work with, as image content can be easily viewed and read. The virtually frameless monitor is especially impressive when used for multi-display viewing thanks to its convenient DisplayPort daisy chain compatibility. The brightness sensor, speakers and controls are built into the bezel and are flush with the screen. They are fully integrated into the monitor's flat, frameless design to offer an excellent user experience.

- ✓ 24.1" LCD monitor with 16:10 aspect ratio and IPS technology for outstanding image quality
- ✓ Bezel only 1 mm: amazingly compact and ultra-elegant design
- ✓ Multi-display viewing with daisy chain compatibility
- ✓ Contrast 1000:1, brightness 350 cd/m², 178° viewing angle
- ✓ Flicker-free image reproduction thanks to hybrid brightness control
- ✓ Auto EcoView and EcoView Optimiser for maximum power savings and superb ergonomics
- ✓ Integrated speakers and headphone jack
- ✓ USB 3.1 hub with one upstream and four downstream ports
- ✓ DisplayPort, HDMI and DVI-D signal inputs and one DisplayPort output

Features

Ultra-Sleek, Full Flat Design

Whether it's in sophisticated black or pristine, eye-grabbing white: The ultra-thin design with its bezel of only 1 mm and its completely flat and smooth front side is truly impressive. A thin black glass frame with a width of just 5.2 mm is all that separates the display and bezel from one another on both sides and the top. The side profile and the back of the monitor also have a slimline, delicate appearance. The monitor is really something to behold, giving you plenty of space for your imagination.



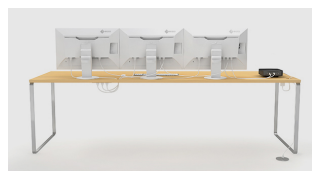
Multi-monitor solutions without problems

Thanks to the signal input and output, you can link several monitors through their DisplayPort interface. This means that you can realise multi-monitor solutions with the greatest of ease – without labourious and excessive cabling. [Watch the video](#) to learn more about it.

Information on the EV2457 and [daisy chain compatibility](#) with other EIZO monitors and the latest PCs.



Conventional solution: messy cabling

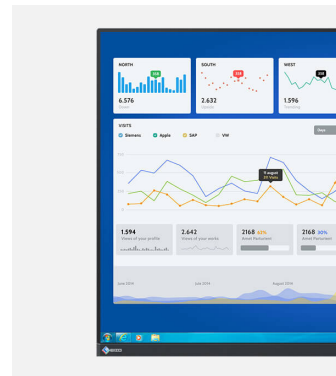


Daisy chain compatibility: tidied-up cables

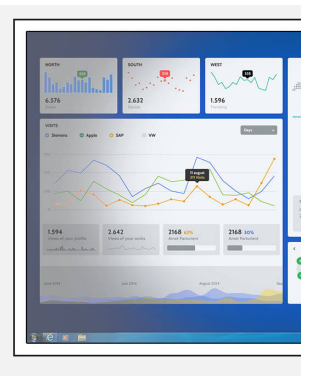
Maximum image quality thanks to the IPS panel

The monitor is capable of all three key elements of excellent image quality: excellent resolution of 1920 x 1200 pixels, maximum contrast of 1000:1, and stable brightness of up to 350 cd/m². That means you will experience razor-sharp text contours,

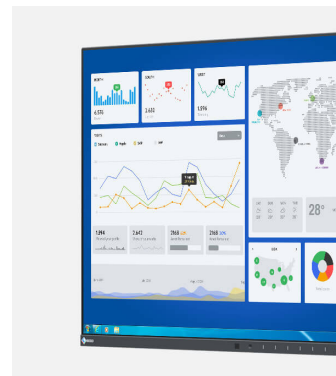
brilliant graphics, and clear images. Thanks to the high-quality IPS panels with LED backlight, contrasts and colours remain stable from every viewing angle.



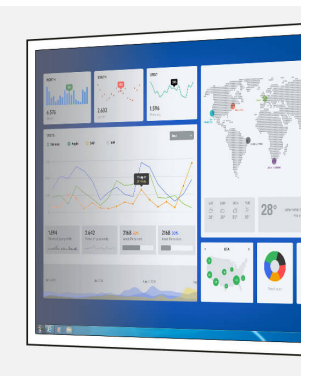
EIZO monitor



Conventional monitor



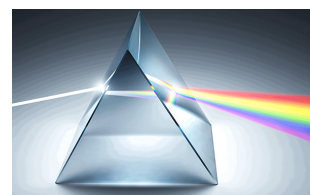
EIZO monitor



Conventional monitor

10 bit LUT for precise colour control

When it comes down to colour nuances, the integrated 10 bit look-up table (LUT) offers considerable advantages: the allocation of colour information is considerably more precise than in other 8 bit look-up tables. The colour gradations are extremely fine and offer customised configuration options: The colour temperature control can be used to adjust white points from 4000 K to 10000 K in 500 K increments. In addition, the colour saturation for RGB colours can be configured separately.



Without 10-bit look-up table



With 10-bit look-up table

Features

Controls Integrated Into Bezel

Electrostatic switches are integrated into the front of the EV2457-BK in place of mechanical buttons. This ensures ease of use while also giving the monitor an extremely elegant look. The speakers are also built into the bezel, pointing forward in the direction of the user.

The brightness sensor, speakers, and all the controls are integrated into the bezel and flush with the screen. They are fully integrated into the monitor's flat, nearly frameless design to offer an excellent user experience.



Overdrive to quickly change images

Fast, faster, overdrive. The overdrive function accelerates switching time so that the grey-grey change takes only 5 ms on average. You can watch films and rapidly changing images without annoying afterglow.

Save electricity and your eyes with Auto-EcoView

At day, at night, bright, dark: No matter when and how you work, the Auto-EcoView function continuously measures changes of the ambient light and optimises the monitor with ideal brightness values fully automatically by using a sensor. The benefits: Annoying glare is reduced, your eyes will not get tired as quickly. A special two-point control takes into account the brightest and darkest environment over the course of the day with the respectively desired screen brightness. Another advantage: Thanks to the automatic brightness adjustment, you will save up to 50% of your electricity costs in comparison to a monitor that is permanently operated at maximum brightness.

Of course, you can also continue to configure the monitor manually. EcoView Index is used for orientation on how environmentally friendly and economical your settings are.

Save up to 30% of energy with the EcoView Optimiser

Save electricity without compromising quality: The EcoView Optimiser reduces the background lighting fully automatically for dark images. This reduces electricity consumption by up to 30%. At the same time, the signal is amplified and the colour tone values adjusted. The result: You will enjoy the image quality you are used to but consume less power.

Zero-Watt consumption thanks to the power switch

The monitors have an integrated mechanical power switch, which is extremely practical and energy-saving: If you switch off the monitor using the power switch, the device will stop consuming any power at all. Moreover, it consumes a maximum of 0.5 watt in standby mode.

Absolutely flicker-free:

To help protect your eyes, EIZO has developed a hybrid technology to control the backlight. This combines the benefits of the otherwise standard PWM (pulse width modulation) and DC (direct current) control. PWM control uses refresh rates of 18 kHz. The result: a flicker-free viewing experience. Flickering is reduced down to absolute freedom from flickering, without impairing image quality or colour stability. In addition, the brightness can be set to less than 1% of the maximum value in darkly lit rooms. The benefit: Your screen remains free from glare even under these conditions.

Anti-reflection coating: more image, less reflection

The EV2457-BK offers a surface with optimal anti-reflection coating. By minimising glare from the spread of the reflected light, the anti-reflection coating effectively protects your eyes from straining. This keeps your eyes from getting as tired and allows you to sit comfortably in front of the screen, without having to sit in a forced position to prevent glare.



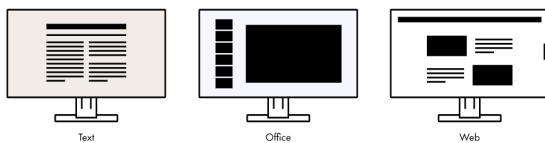
One monitor, many ports

It doesn't get simpler than this: Most end devices, such as PCs, laptops and cameras, can be connected directly to the monitor, thanks to its wide range of signal interfaces. The screen also features four USB type A 3.1 ports. This allows different devices such as mice, keyboards and headsets to be connected. This makes your everyday work easier and guarantees a tidy desk.

Features

FineContrast modes: Optimised display at the press of a button

The FineContrast modes make it easier for you to work and look at images, texts, or films. Because when choosing colour settings, it makes a difference whether you are looking at a film, editing an image, surfing the net, or writing texts. You can configure the respective presets for brightness, gamma correction, and colour temperature at the press of a button. An example: Paper mode simulates the pleasant contrast of books by reducing the blue light portion. This protects your eyes while reading and stops them from getting tired.



Perfectly organized

The monitor ships with a cable holder, which ensures a clean desk and prevents messy cabling.



Operation made easy thanks to the Button Guide

The Button Guide provides all functions at a glance. Touching the button is enough and the screen will show all functions and the corresponding control panel.



Screen InStyle

You can conveniently control the EV2457-BK either by using the Screen InStyle software on a Windows PC or by using the on-screen menu. The configuration options include colour reproduction, energysaving options, and ergonomic functions that, for example, allow you to reduce the blue light portion (Circadian Dimming). The Screen InStyle software allows the user to apply the settings to all connected screens when using a multi-screen system.

[More about Screen InStyle](#)

Screen InStyle Server is a server application that allows system administrators to centrally manage and control monitors on which Screen InStyle is installed and which are connected to the network. This optimises power consumption and simplifies monitor asset management.

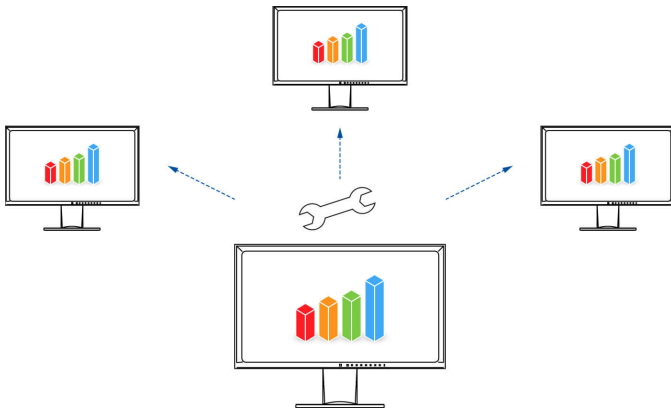
[More about Screen InStyle Server](#)

[more about Screen InStyle](#)

Features

Monitor Configurator for cross-network settings

Reduced workload for network administrators: The software allows you to configure multiple monitors uniformly in a single step – via a USB connection. This saves you time and ensures you have the same settings on all screens. The configuration can be saved as an XML file and transferred to clients.



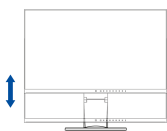
Five-year warranty

EIZO grants a five-year warranty. This is possible thanks to the highly developed production process based on a simple principle of success: sophisticated and innovative monitor technology, made from high-end materials.



Flexible base

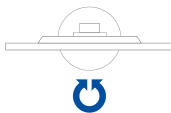
Ergonomic and stable: the adjustable base focuses on ergonomics. The monitor base can be twisted, turned, and tilted so that it is most comfortable for your back, neck, and sitting posture. The height can also be seamlessly adjusted and, depending on the model, lowered to the bottom of the base, allowing you to position the top row of the image ergonomically below eye level.



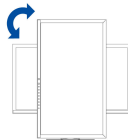
156.8 mm



Tilt up 35°, tilt down 5°



172° (right/left)



Rotation 90° clockwise and anti-clockwise

Specification

General

Item no.	EV2457-BK
Case colours	Black
Solutions	Office, Gaming
Product line	FlexScan
EAN	4995047053804
Variants	EV2457-WT (Colour: White)

Display

RadiCS application classes	VIII
Screen size [in inches]	24.1
Screen size [in cm]	61
Format	16:10
Viewable image size (width x height)	518 x 324
Ideal and recommended resolution	1920 x 1200
Pixel Pitch Horizontal [mm]	0.270 x 0.270
Resolution Supported	1920 x 1200, 1600 x 1200, 1680 x 1050, 1280 x 1024, 1024 x 768, 800 x 600, 720 x 400, 640 x 480
Panel technology	IPS
Max. viewing angle horizontal	178 °
Max. viewing angle vertical	178 °
Number of colours or greyscale	16.7 million colours (display port, 8 Bit), 16.7 million colours (HDMI, 8 Bit), 16.7 million colours (DVI, 8 Bit)
Max. colour space	sRGB
Max. brightness (typical) [in cd/m²]	350
Max. dark room contrast (typical)	1000:1
Typical response time [grey/grey alternation]	5 ms
Max. refresh rate [in hertz]	60
Backlight	LED

Features

Colour palette / look-up table	1.06 billion colour tones / 10 Bit
Overdrive	✓
No flickering thanks to hybrid controls	✓
Signal range amplifier (HDMI)	✓
HDCP Decoder	✓
Preset colour/greyscale modes	sRGB, Paper, Movie, DICOM®, 2x free modes for user selection
DICOM tone curve	✓
OSD language	de, en, fr, es, it, se, ja, zh
Adjustment options	Brightness, Contrast, Gamma, All EcoView functions, Colour saturation, Colour temperature, FineContrast, Colour tone, Signal input, Overdrive, Resolution, Audio source, Sharpness, OSD language, Interpolation, Volume
Button Guide	✓
Signal inputs	DisplayPort, DVI-D, HDMI
Signal outputs for daisy chain compatibility	DisplayPort
Video Signal	DisplayPort, DVI (TMDS), HDMI (YUV, RGB)
Frequency	Display Port: 31-76 kHz/59-61 Hz; DVI-D: 31-76 kHz/59-61 Hz; HDMI: 15-76 kHz/49-61 Hz
Input Signal Identification	✓
Audio Input	3.5 mm stereo jack, DisplayPort, HDMI
Audio Output	3.5 mm stereo jack
Built-in speakers	✓
USB hub	1 Up-/ 4 Down-Stream, Rev. 3.1

Certification & Standards

Certification	CE, TÜV/GS, TÜV/Ergonomics, TCO 8, Energy Star, ISO 9241-307 Klasse 1**, TÜV/Low blue light content, TÜV/Flicker Free, RCM, CB, cTUVus, FCC-B, CAN ICES-3 (B), TÜV/S, PSE, VCCI-B, RoHS, WEEE, CCC, EAC
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Electric data

Power consumption (typical) [in watt]	11
Maximum Power Consumption [in watt]	59 (at maximum brightness with all signal inputs and USB ports in use)
Power Save Mode [in watt]	0.5
Power Consumption Off [in watt]	0
Energy-efficiency class	A++
Auto-EcoView	✓
EcoView-Index	✓
EcoView-Optimiser	✓
Power Supply	AC 100-240V, 50/60Hz
Power Management	DVI-DMPM, DisplayPort Version 1.2a
Integrated power unit	✓

Dimensions & Weights

Dimensions [mm]	531 x 353-510 x 190
Weight [in kilograms]	5.8
Dimensions Without Stand [mm]	531 x 344 x 46
Weight Without Stand [in kilograms]	3.8
Swivel (right/left)	172 °
Incline forward/backward	5 ° / 35 °
Pivot	✓
Height Adjustment Range [mm]	156.8
Hole Spacing	VESA standard 100 x 100 mm

Software & Accessories

Accompanying software and other accessories are available for download or on a CD	Screen InStyle
Additional Supply	Power cord, Signal cable DisplayPort - DisplayPort, Quick guide, USB cable, Cable protection
Accessory	EIZO ScreenCleaner (for the best possible clean without scratching the monitor), HH200HS-K (HDMI (High Definition Multimedia Interface) cable to transfer digital video and audio signals.), PM200-K (DisplayPort cable to transfer digital video and audio signals.), PP100-K (Short DisplayPort connection cable (100 cm) to transmit digital audio and video signals.), PCSK-03-BK (Thin Client Mount for the EIZO FlexStand 4 Stand)

Warranty

Warranty and service	5 years
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Terms

**) Zero pixel error guarantee for completely lit sub-pixels (partial pixels ISO 9241-307). Valid: six months from the purchase date.