

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 EcoView 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 Optimizer 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-slim. Ultra-smooth!

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.



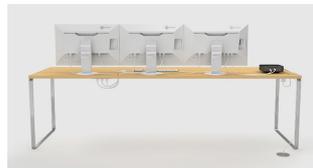
Multi-monitor solutions without problems

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

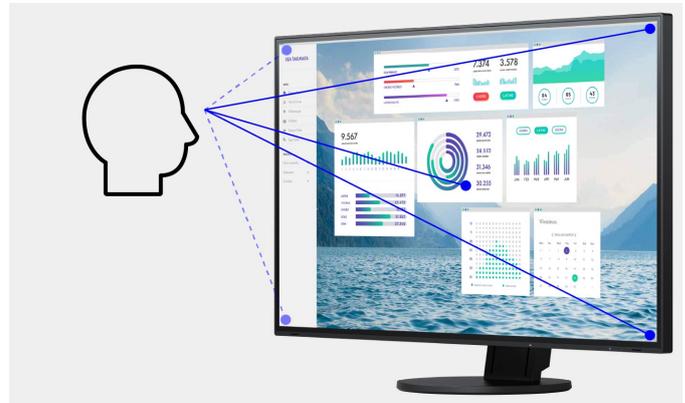


Daisy chain compatibility: tidied-up cables

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.



Controls Integrated Into Bezel

Electrostatic switches are integrated into the front of the EV2457 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.

Features

Precise colour control

An image can only be perfect if the colours are, too. This is why EIZO office monitors have a 10-bit look-up table at a minimum, which allows the colour information to be assigned much more precisely than with conventional 8-bit LUTs. The finest colour gradations ensure that gradients are always perfectly displayed, while also offering customised adjustment options. For example, you can adjust the white balance from 4000 K to 10000 K in 500-K intervals.



Look-Up-Table with 10 and more bit



Look-Up-Table with 8 bit

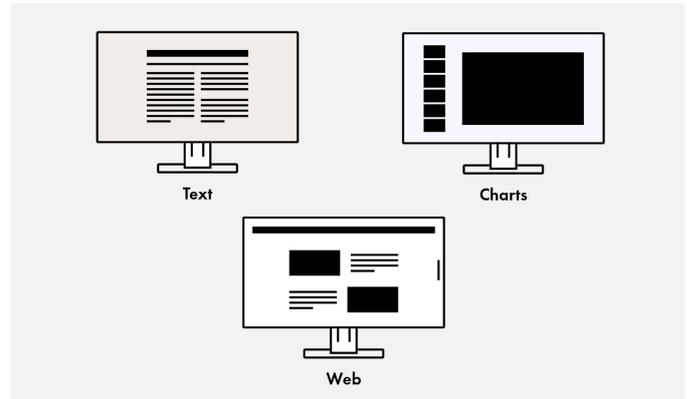
Save electricity and your eyes with Auto EcoView

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.

Preset colour modes: optimised display at the touch of a button

Preset colour modes make it easier for you to work and view pictures, texts or films. This is because colour settings differ depending on whether you are watching film, editing a picture, surfing the net or writing texts. At the touch of a button, you can set the respective preset for brightness, gamma correction and colour temperature. For example; the paper mode simulates the pleasant contrast of books by reducing the blue light component and especially brightness to create an experience easier on the eyes when reading.



Save up to 30% of energy with the EcoView Optimizer

Save electricity without compromising quality: The EcoView Optimizer 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.

Flicker free: for the sake of the eyes

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. The PWM control uses much higher frequencies than standard PWM methods. 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-glare coating: more image, less reflection

The EV2457 offers a surface with optimal anti-glare coating. By minimising glare from the spread of the reflected light, the anti-glare 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.

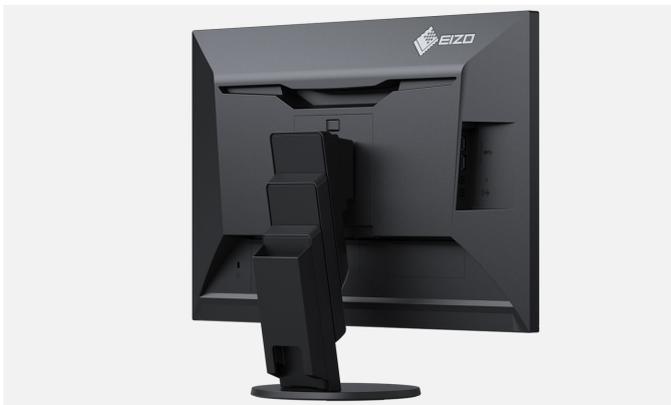
Features

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.

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

In addition to the on-screen menu, you can conveniently control the EV2457 by using the Screen InStyle software on a Windows PC. The configuration options include colour reproduction, energy saving options, and ergonomic functions that 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.

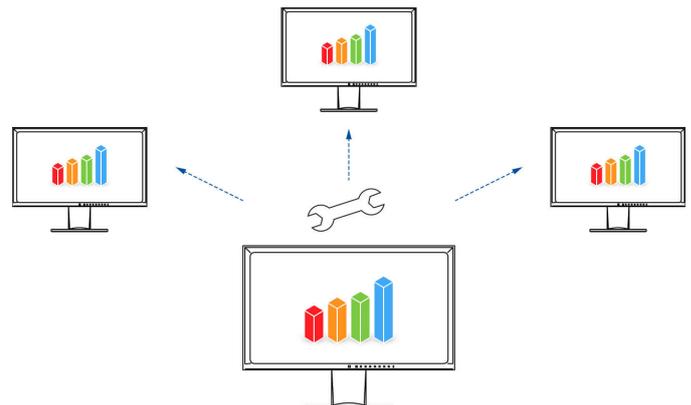
[More about Screen InStyle](#)

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](#)

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.

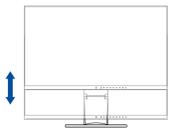
* in Belgium: including on-site replacement service



Features

Flexible base

Ergonomic and stable: the adjustable stand focuses on ergonomics. You can rotate, swivel and tilt the monitor stand until you find the most comfortable setting for your back, neck and sitting posture. It features continuous height adjustment and can be lowered almost to the base plate of the stand, enabling you to position the top image line ergonomically right below your eye level.



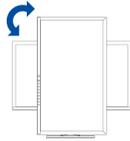
Height
156.8 mm



Tilt
Tilt down 5°, tilt up 35°



Swivel
344°



Rotation
Rotation 90° (clockwise and anti-clockwise)

Specification

General

Item no.	EV2457-BK
Case color	Black
Areas of application	Office, Gaming
Product line	FlexScan
EAN	4995047053804
Variants	EV2457-WT (Colour: White)

Display

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 [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)
Colour palette/look-up table	More than 1.06 billion hues/14-bit
Max. colour space (typical)	sRGB
Max. brightness (typical) [in cd/m ²]	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 & control

Preset colour/greyscale modes	sRGB, Paper, Movie, DICOM, 2x free modes for user selection
DICOM tone curve	✓
RadiCS application classes	VIII
Auto EcoView	✓
EcoView Index	✓
EcoView Optimizer	✓
Overdrive	✓
No flickering thanks to hybrid controls	✓
Signal range amplifier (HDMI)	✓
HDCP Decoder	✓
Input signal identification	✓
Built-in speakers	✓
OSD language	de, en, fr, es, it, se, ja, zh
Adjustment options	Brightness, Contrast, Gamma, All EcoView functions, Colour saturation, Colour temperature, Colour Mode, Colour tone, Signal input, Overdrive, Resolution, Audio source, Sharpness, OSD language, Interpolation, Volume
Button Guide	✓
Integrated power unit	✓

Ports

Signal inputs	DisplayPort, DVI-D, HDMI
Signal outputs/Daisy chain compatibility	DisplayPort
USB specification	USB 3.1 Gen 1
USB upstream ports	1 x type B
USB downstream ports	4 x type A
Video signal	DisplayPort, DVI (TMDS), HDMI (YUV, RGB)
Audio input	3.5 mm stereo jack, DisplayPort, HDMI
Audio output	3.5 mm stereo jack

Electric data

Frequency	Display Port: 31-76 kHz/59-61 Hz; DVI-D: 31-76 kHz/59-61 Hz; HDMI: 15-76 kHz/49-61 Hz
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
Energieeffizienzklasse	D
Energy consumption/1000h [in kWh]	14
Power supply	AC 100-240V, 50/60Hz

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
Housing dimension details	Dimension drawing (PDF)
Swivel	344 °
Incline forward/backward	5 ° / 35 °
Pivot	✓ 90° (clockwise and anti-clockwise)
Height adjustment range [mm]	156.8
Hole spacing	VESA standard 100 x 100 mm

Certification & standards

Certification	CE, CB, TCO certified Generation 8, EPA ENERGY STAR [®] , TÜV/GS, TÜV/Ergonomics (including ISO 9241-307), TÜV/Blue Low Light Content, TÜV/Flicker Free, EPEAT 2018 (US), cTÜVus, TÜV/S, EAC, PSE, FCC-B, CAN ICES-3 (B), RCM, VCCI-B, CCC, RoHS, China RoHS, WEEE
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Software & accessories

Accompanying software and other accessories are available for download	Screen InStyle (free of charge)
Additional supply	Power cord, Signal cable DisplayPort - DisplayPort, Quick guide, USB cable, Cable protection
Accessories	EIZO ScreenCleaner (for the best possible clean without scratching the monitor), HH200PR-K (HDMI (High Definition Multimedia Interface) cable), PM200-K (DisplayPort cable to transfer digital video and audio signals.), PP100-K (Short DisplayPort connection cable, 100 cm), PCSK-03-BK (Thin client mount for the stand EIZO FlexStand 4/FlexStand 5), CP200-BK (USB-C to DisplayPort cable, 200 cm)

Warranty

Warranty and service	5 years warranty*
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Terms

*) Maximum of 30,000 hours of operation from the date of purchase.**) Zero pixel error guarantee for completely lit sub-pixels (partial pixels ISO 9241-307). Valid: six months from the purchase date.