



The extremely narrow frame of the FlexScan EV2450 immediately catches your eye. The tidy, compact design makes it perfect for a modern office environment. The 23.8" monitor with 16:9 aspect ratio features IPS technology and impresses when it comes to image quality and ergonomics. It excels with an anti-glare, clear display thanks to automated brightness and anti-reflection technology. The hybrid brightness control ensures flicker-free images and the stand enables practically unlimited freedom when determining the position. This helps to prevent problems with posture and any strain to the eyes. EV2450 is virtually frameless and lends itself particularly well to multi-screen use.

- ◆ 23.8" LCD monitor with 16:9 aspect ratio and IPS technology for outstanding image quality
- ◆ Outer frame is just 1 mm: amazingly compact and ultra-elegant design
- ◆ Contrast 1000:1, brightness 250 cd/m², 178° viewing angle
- ◆ Flicker-free image reproduction thanks to hybrid brightness control
- ◆ Auto EcoView, EcoView Index, EcoView Sense and EcoView Optimizer for maximum power savings and superb ergonomics
- ◆ Integrated speakers and headphone jack
- ◆ USB 3.0 hub with one upstream and two downstream ports
- ◆ DisplayPort, HDMI, DVI-D and D-Sub input for digital and analogue connection



EIZO EV2450

Features

Fusion design The EV2450 features an exceptionally narrow outer frame measuring approximately 1 mm on both sides and the top, as well as a glass frame around the display with a width of only 4.3 mm. This ensures a compact, attractive design and saves desk space. The user benefits from a virtually frameless display in multi-screen operation. A wide desktop provides a clear display free from thick housing. Power supply and signal interfaces are unobtrusively integrated into the unit.

Outstanding image quality A resolution of 1920 x 1080 pixels, a contrast ratio of 1000:1 and brightness of 250 cd/m² all ensure first-class image quality with clear graphics and structures as well as sharp text contours. The LCD module featuring IPS technology enables a viewing angle of 178 degrees, ensuring that colour and contrast remain stable for the viewer. This improves perceptibility and readability.

Auto EcoView The EcoView sensor measures the ambient light and automatically adjusts the display brightness accordingly. The image brightness is stronger in the case of bright illumination and it is reduced in the dark. It is also possible to control brightness manually. Alternatively, you can freely select the desired image brightness. The EcoView index indicates how environmentally friendly each setting is.

EcoView Sense When it comes to power savings, the EV2450 excels thanks to its EcoView Sense function. It automatically switches the display on or off depending on whether the user is present in front of the screen. EcoView Sense detects the user's return even before the user moves the keyboard or mouse. This means the display is always ready for operation, yet it does not waste any power while the user is away.

EcoView Optimizer The EcoView Optimizer analyses and responds to the white portion of the image content to control the display backlight. When the displayed content is dark, the light emission is reduced so that power consumption decreases by up to 30%. The image brightness defined by the user is nevertheless maintained at all times, as EcoView Optimizer also controls the hue values.

Eco Timer EIZO uses two methods to save energy: After a predefined time, Eco Timer automatically switches the monitor into standby mode, reducing power consumption. The power switch, located directly on the monitor, switches the power supply off completely and therefore minimises unnecessary CO₂ emissions as well as costs.

Flicker-free The EV2450 uses hybrid technology developed by EIZO to control background light. This replaces the conventional internal PWM control (pulse width modulation). However, EIZO does not completely get rid of PWM and continues to use it to retain precise colour stability in dark images. However, the EV2450 uses a flicker-free repetition rate of up to 18 kHz. Furthermore, hybrid technology allows brightness to be reduced to 1 cd/m². This way, the screen maintains an anti-glare display in poorly lit environments.

Overdrive The precalculated Overdrive function accelerates pixel conversion to a level where the changeover time between different hue values is a mere 5 ms on average. Moving images and screen changes are displayed without any annoying delays.

FineContrast This function offers a wide range of display modes with various default settings for brightness, colour temperature and gamma. It provides ideal display configurations for office applications, Internet and images (sRGB) at the push of a button. 'Paper' mode simulates the pleasant contrast of printed documents and reduces the blue light portion. In addition, a DICOM mode for radiology and two user modes are also available for customised settings.

Precise colour control Colour temperature control allows the white balance to be adjusted at intervals of 500 between 4,000 and 10,000 K. In addition, the colour saturation (gain) for RGB colours can be configured separately.

Button Guide The EV2450 displays a function overview on the screen at the touch of a button for easy and convenient operation. This way, the function of the respective button is shown next to the control panel.

Digital and analogue inputs A DisplayPort, a HDMI and a DVI-D input enable the connection of digital signals. A D-Sub input is available for analogue signals. Up to four computers can be connected at one time.

USB Hub An integrated USB hub v.3.0 is provided for the connection of peripheral devices. For example, a keyboard and mouse can be connected to the monitor sitting on your desk.

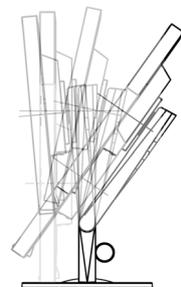
ScreenManager Pro ScreenManager Pro is used for convenient monitor control using software via the Windows interface as an alternative to the on-screen display. It is even possible to link monitor settings to specific applications, for example, switching to sRGB mode when opening the browser.

Monitor Configurator EIZO Monitor Configurator software allows users to put multiple screens with the same settings into operation. You can use it to configure the EV2450 and transfer the settings to other monitors.

Audio-enabled Speakers and headphone jack are discreetly integrated into the housing.

Economical and environmentally-friendly The mercury-free backlight with efficient but bright, white LEDs is a particularly impressive feature of the EV2450. It consumes just 12 watts in regular use, which reduces energy costs as well as CO₂ emissions.

FlexStand This enables turning and tilting as well as operation in portrait and landscape format. The continuous height adjustment starts very low near the desk and has a range of 14 centimetres. This guarantees optimal ergonomics, regardless of whether the user is sitting or standing in front of the screen. The FlexStand base is always fully stable, despite its maximum movement ability.



Test marks



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EIZO EV2450

Specifications

Diagonal	60 cm (23.8") 16:9 format
Models (housing colour)	EV2450-GY (light grey) EV2450-BK (black) EV2450-WT (white)
Visible image size	527 mm (width) x 296 mm (height)
Visible diagonal	604 mm
Ideal and recommended resolution	1920 pixels x 1080 lines
Dot pitch	0.274 mm x 0.274 mm
Displayable colours	16.7 million
Max. brightness	250 cd/m ² (typical)
Max. dark room contrast	1000:1 (typical)
Max. viewing angle	Horizontal: 178°; vertical: 178°
LCD technology	IPS
Typical reaction time	5 ms grey-grey
Features	EcoView Sense, Auto EcoView, EcoView Index, EcoView Optimizer, HDCP decoder, FineContrast, On-Screen Display, PowerManager by VESA DPMS, Plug & Play via VESA DDC CI, USB v.3.0 hub, integrated speakers and power supply
Configuration options	Minimum and maximum brightness, contrast, gamma, colour saturation for RGB, colour temperature, clock, phase, image position, resolution, Eco Timer, OSD language (DE, UK, FR, SE, ES, IT), interpolation
Resolutions	1920 x 1080 full image 1:1, 1680 x 1050, 1280 x 1024, 1024 x 768, 800 x 600, 720 x 400, 640 x 480, enlarged to full image or 1:1
Horizontal frequency	31–81 kHz (digital: 31–68 kHz)
Vertical frequency	55–76 Hz (digital: 59–61 Hz)
Video bandwidth	193 MHz (digital: 162 MHz)
Graphic signals	DisplayPort, DVI (TMDS), RGB analogue
Signal inputs	DisplayPort, HDMI, DVI-D and D-Sub
Plug & Play	VESA DDC CI
Power management	VESA DPMS, DVI-DMPM
Power consumption	Max.* 47 watts and typically 12 watts, less than 0.3 watts in standby mode, 0 watts when power switch is OFF
Dimensions (WxHxD)	54 x (33–47) x (23–28 cm)
Weight	6.2 kg
Test marks	CE, TÜV GS, TÜV certified ergonomics, TCO 6.0, Energy Star, ISO 9241-307 Class 1
Speakers	Left and right
Audio input	3.5 mm stereo jack
Audio output	3.5 mm stereo jack (for headphones)
Flexibility	172° right/left, -5° to the front, 35° to the back, 90° rotatable, 14 cm height adjustment
USB hub	One upstream/two downstream, ver.3.0
Accessories included	Manual in English, German and French, power, USB ver.3.0 and signal cable, (DP-DP), ICC colour profile
Service	Five-year on-site replacement service**

Errors excepted 10/15

* At maximum brightness, USB hub as well as all signal inputs and speakers in operation
 ** Zero pixel warranty for full bright sub pixel (part of ISO 9241-307) up to 6 months after purchase.



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