



FlexScan® EV2455



The EV2455 immediately stands out thanks to its extremely narrow frame. This ensures a compact, attractive design and 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 an anti-glare view of the screen. The LCD featuring IPS technology ensures the greatest possible viewing angle so that colour and contrast remain stable for the viewer. The EV2455 is a pleasure to work with, as image content can easily be viewed and read. The monitor is virtually frameless and is especially impressive when used for multi-screen viewing.

- ◆ 24.1" LCD monitor with 16:10 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 300 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 EV2455

Features

Fusion design The EV2455 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 5.2 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 1200 pixels, a contrast ratio of 1000:1 and brightness of 300 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 EV2455 excels thanks its EcoView Sense function. It switches the display on or off entirely automatically 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 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 EV2455 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. The EV2455 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 preset 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 EV2455 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.

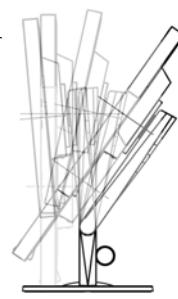
Monitor Configurator EIZO Monitor Configurator software allows users to put multiple screens with the same settings into operation. You can use it to configure the EV2455 and transfer the settings to other monitors.

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 EV2455. It consumes just 13 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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Czech Republic ♦ www.eizo.cz

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Slovakia ♦ www.eizomonitor.sk

The Netherlands ♦ www.eizo.nl

United Kingdom ♦ www.eizo.co.uk

EIZO EV2455

Specifications

Diagonal	61 cm (24.1") 16:10 format
Models (housing colour)	EV2455-GY (light grey) EV2455-BK (black)
Visible image size	518 mm (width) x 324 mm (height)
Visible diagonal	611 mm
Ideal and recommended resolution	1920 pixels x 1200 lines
Dot pitch	0.27 mm x 0.27 mm
Displayable colours	16.7 million
Max. brightness	300 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 1200 full image 1:1, 1600 x 1200, 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: 31–76 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.* 49 watts, typically 13 watts and less than 0.3 watts in standby mode, 0 watts when power switch is OFF
Dimensions (WxHxD)	53 cm x (35–49) x 23 cm
Weight	6.5 kg
Test marks	CE, TÜV GS, TÜV certified ergonomics, ISO 9241-307 Class 1, TCO 6.0, Energy Star
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, 13 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 10/14

* At maximum brightness, USB hub as well as all signal inputs and speakers in operation



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