23.8" | Office-Monitor

FlexScan EV2490

EV2490-BK

Your advantages

USB-C

5 YEAR WARRANTY

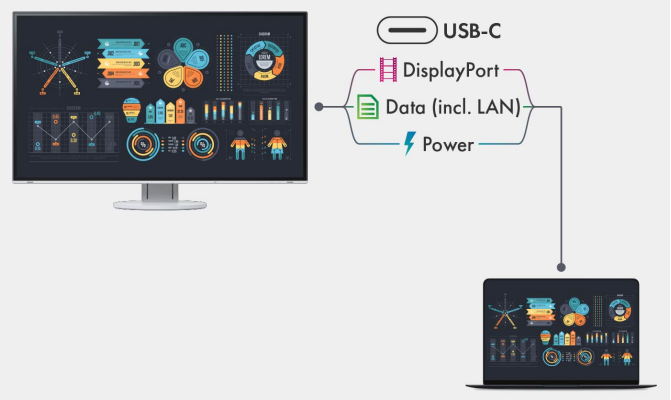
Brilliant picture quality, high ergonomics, and strong flexibility: the modern working world places high demands on technical equipment. The EIZO FlexScan EV2490 meets them whether in the home office, at the office desk, or at the shared desk. The 23.8-inch IPS monitor offers full USB-C connectivity, receiving video and audio signals, and much more via this interface: a charging power of 70 watts ensures full notebook batteries and makes external power supplies superfluous. Thanks to an integrated Ethernet port, computers can even access the Internet via cable if they only have WLAN as standard. Its daisy-chain function for up to four monitors is ideal for multi-screen solutions. The business monitor thus becomes a fully-fledged docking station and is at home wherever flexibility is required. Notebooks only need to be connected with a single cable and are immediately fully operational. In addition to the USB-C port, the EV2490 can also be operated via its DisplayPort and HDMI interface. Regardless of where it is used, the EIZO FlexScan EV2490 shines with its high-contrast, flicker-free display and full HD resolution (1920 x 1080 pixels). Outstanding ergonomics are ensured by the anti-reflective coating, sophisticated automatic brightness control, and flexible options for adjustment in height, tilt, swivel, and tilt.

- 23.8" monitor in 16:9 format with 1920 x 1080 pixels and IPS technology for outstanding picture quality
- Docking function for tablets and notebooks thanks to USB 3.1-C connection with DisplayPort signal channel, LAN and power supply up to 70 watts
- Three-sided housing frame only 1 mm: super-compact and ultra-chic design
- Contrast 1000:1, brightness 250 cd/sqm, 178° viewing angle
- Auto EcoView, EcoView Index and EcoView Optimiser for maximum energy savings and optimal ergonomics
- USB-C daisy chain function (USB-C output) for linking multi-screen solutions
- Signal inputs: USB-C (DisplayPort Alt Mode), DisplayPort, HDMI
- Demonstrably environmentally and socially responsible production

Features

Cutting-edge connectivity with USB-C

Video and audio reproduction, rapid data transfer, including network signal and power supply for connected devices – all this and so much more is possible with a single USB-C cable. The EV2490-BKwill become your central docking station to which you can quickly and easily connect your laptop. This is especially practical if you have multiple workstations or switch between working in an office and at home. The 70-watt power supply via USB-C reliably charges small computers or laptops, giving you more desk space since an additional power supply is no longer necessary for the computer.



USB-C: compatibility information

For information on compatibility between PCs and FlexScan monitors when using a USB-C connection, please visit the EIZO Global website.

Efficient multi-display solution

The monitor's USB-C ports enable multiple monitors to be connected to the computer via a single cable (using the daisy chain method). This allows for a hassle-free configuration of up to four screens and reduces cable clutter. Being able to view and edit several applications simultaneously also improves comfort and increases efficiency when working.

Did you know, computers and monitors with a DisplayPort connection can also be connected to USB-C? The right cable for this from our optional accessories is called CP200.

Cleverly chosen multi-screen solutions

Multiscreen solutions look particularly good when all monitors are similar in design and have an almost frameless UltraSlim format. This is easily achieved by using the USB-C daisy chain and linking several EV2490s.

Because there is no need for further chaining from the last screen, the cheaper sister model EV2480 is recommended for this. It can do without the USB-C down port, LAN connection and KVM switch. The design and stand of the EV2490 and EV2480 are identical.

One monitor, many ports

The EV2490-BK is equipped with one USB-C port and three USB-A downstream ports for connecting various periphery devices without needing a USB hub. This is useful, for example, if your laptop only has a limited number USB ports or want to optimise the set-up of workstations for hot desking or in a home office environment. The monitor also has USB-C, HDMI and Display Port video inputs for total connection flexibility.

Features

Information on daisy chain compatibility

Are you unsure whether the daisy chain method is compatible with your system? EIZO tests PCs that are currently available on the market to ensure that they are compatible with the daisy chain method and FlexScan monitors.

1. Find out more about compatibility tests (link to the international EIZO website)
2. How to set up a daisy chain connection (link to the international EIZO website)

LAN port to ensure a stable network connection

The monitor has a dedicated LAN port to ensure a stable wired network connection. Laptops and PCs require only one USB cable to be connected to the EV2490-BK to gain network access via the monitor. This is particularly advantageous for laptops that do not have a LAN connection and allows for fast and stable data transfer, which is required for video conferences, for example. As a network device the monitor has its own MAC address.

MAC Address Clone Utility

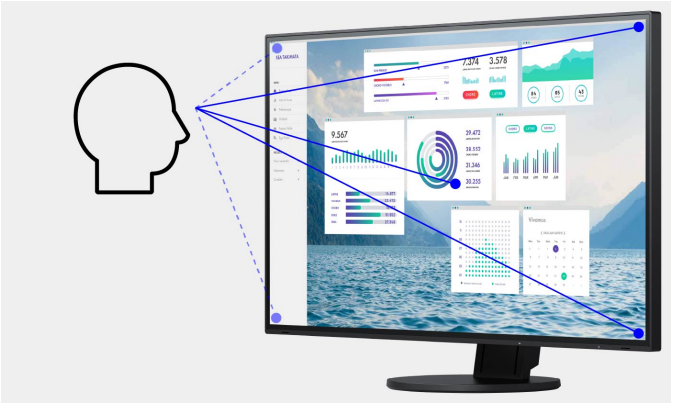
Optionally, the EIZO MAC Address Clone Utility software for Windows can temporarily assign the MAC address of the connected PC to the monitor. This transparency grants authenticated PCs network access through the monitor.

KVM switch: two PCs, one user

It has never been easier to use two PCs simultaneously. The EV2490-BK has an integrated KVM (Keyboard Video Mouse) switch for both its USB upstream ports and can be used as a keyboard/mouse switch. For example, a single monitor or even multiple chained monitors can be shared between a private and a company computer when working from home. This ensures that work is uninterrupted and makes for a tidy work area.

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 1080 (Full HD) pixels, maximum contrast of 1000:1, and stable brightness of up to 250 cd/m^2. 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.



Overdrive to quickly change images

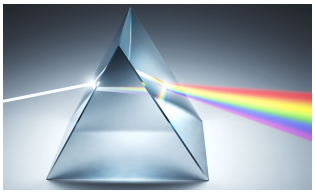
Fast, faster, overdrive. The overdrive function accelerates switching time so that the grey-grey change takes only 5 ms on average. You can watch films and rapidly changing images without annoying afterglow.

Without overdrive: streaking and time delay

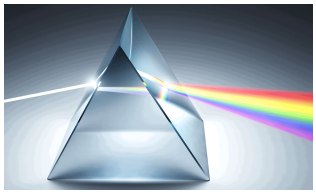
Features

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



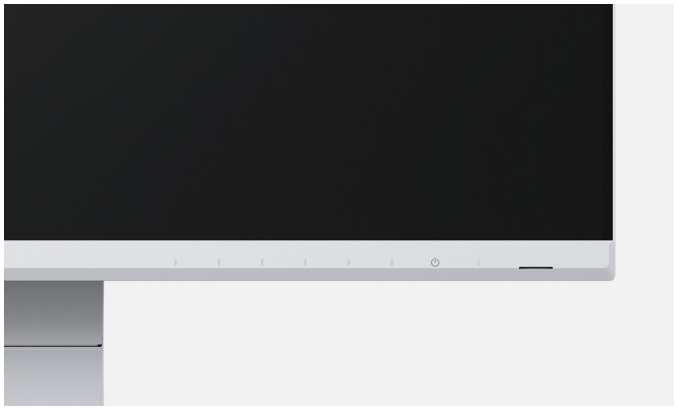
Look-Up-Table with 8 bit

Elegant design

The monitor's appearance can be the key to creating a pleasant working atmosphere. Whether you are at home or in the office, the monitor's virtually frameless design and ergonomic functionality allows it to fit naturally into your workplace environment. The housing is available in both an elegant black and in white, with matching white cables.

Controls integrated into bezel

Electrostatic switches are integrated into the front of the EV2490-BK instead of mechanical buttons. This ensures ease of use while also giving the monitor an extremely elegant look. The speakers and all the controls are also built into the bezel, pointing forward in the direction of the user. They are fully integrated into the monitor's flat, nearly frameless design to offer an excellent user experience.



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 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.

During the day

In the evening

Features

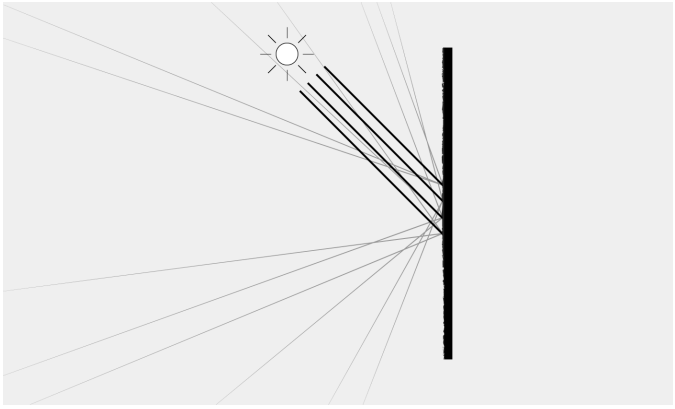
Flicker free: for the sake of the eyes

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 while maintaining picture quality and colour stability. In addition, compared to pure DC control, you can adjust the brightness to less than 1% of the maximum value in darkly lit rooms. The benefit: Your screen remains free from glare even under these conditions.

The flicker-free and low blue light content of the EIZO FlexScan monitors is certified by TÜV Rheinland. Learn more about why eyes get tired when working at the computer.

Anti-glare coating: more image, less reflection

The EV2490-BK offers a perfect, non-glare surface. By minimising glare by diffusing the reflected light, the EV2490-BK effectively protects your eyes from straining. This keeps your eyes from getting as tired and allows you to sit comfortably in front of the monitor, without having to sit in a forced position to prevent glare.

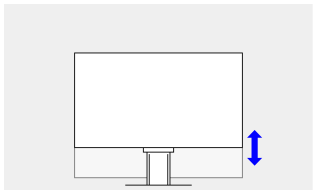


Less blue light

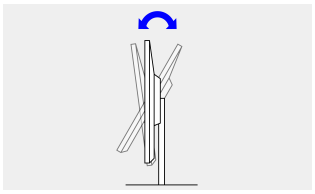
Bright, blue light emitted by LED backlights of some monitors can be detrimental to workspace ergonomics. When editing documents, paper mode simulates reading on actual paper by using the appropriate settings for contrast, brightness and colour temperature. This reduces the amount of blue light. When used in combination with the Auto EcoView brightness settings, blue light is reduced by a total of up to 80%.

Flexible stand

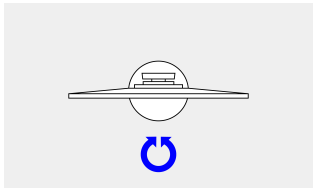
Ergonomic and stable: the adjustable stand has ergonomics in focus. You can turn, swivel, and tilt the monitor in the way that is most comfortable for your back, neck and sitting posture. It can be continuously adjusted in height and lowered almost to the table or the base of the stand. This allows you to position the top row of the picture ergonomically below eye level.



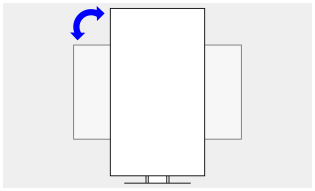
Height
191.2 mm



Tilt
Tilt down 5°, tilt up 35°



Swivel
344°

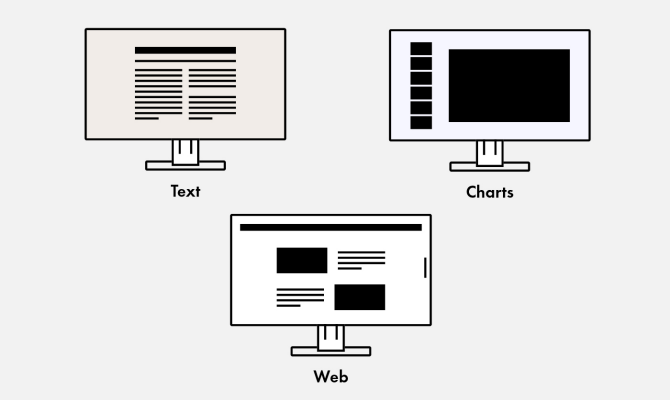


Rotation
Rotation 90° (clockwise and anti-clockwise)

Features

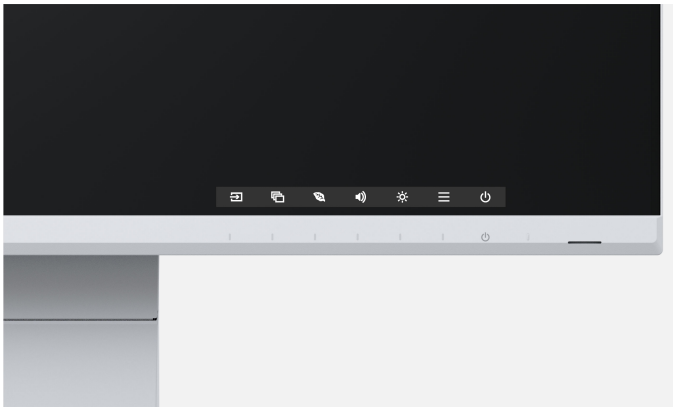
Preset colour modes: optimised display at the touch of a button

Pre-set colour modes optimise the viewing of images, texts or films. Because it makes a difference whether you are watching a film, editing a picture, surfing the net, or writing texts. At the touch of a button, you set the respective pre-set for brightness, gamma correction and colour temperature. For example, the Paper mode simulates the pleasant contrast of printed paper, which is easy on the eyes when reading and prevents fatigue.



Operation made easy thanks to the Button Guide

With the Button Guide, you have all functions at a glance. One touch of the control panel is enough, and the function assignment of the buttons is displayed. Your advantage: clarity of operation and a clean, uncluttered design.



Screen InStyle

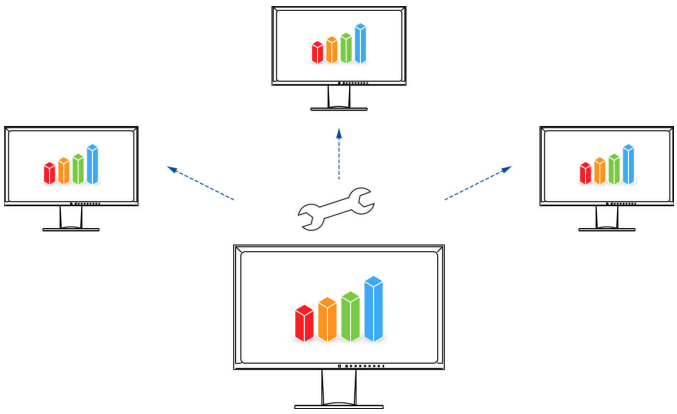
In addition to the on-screen menu, you can conveniently control the EV2490-BK by using the Screen InStyle software on a Windows PC. The configuration options include colour reproduction, energy saving options, and ergonomic functions. In multi-screen systems, the settings can be applied synchronously to all connected screens with Screen InStyle.

Learn more about Screen InStyle here.

System administrators can centrally manage and control monitors connected in the network with Screen InStyle installed using the Screen InStyle Server application. This optimises power consumption and simplifies asset management of the monitors.
Learn more about Screen InStyle Server here.

Monitor Configurator for company-wide monitor setting

The work simplification for network administrators: The software enables you to configure several monitors uniformly in one step via their USB connection. You save time and get the same settings for many monitors. The configuration can be saved as an XML file and transferred to the clients.



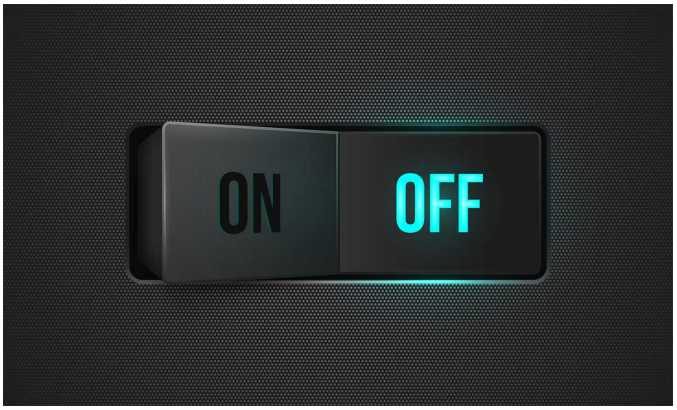
Save up to 30% of energy with the EcoView Optimizer

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.

Features

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.



Environmentally and socially conscious production

EIZO uses the EV2490-BK to showcase how image and product quality go hand in hand with responsible planning, material procurement and production. This intrinsic value enables you to make a safe investment in a modern and reliable monitor.

Socially responsible production

The EV2490-BK is produced in a socially responsible way. It is free of child labour and forced labour. Suppliers along the supply chain have been carefully selected and they have also committed themselves to produce in a socially responsible way. This applies in particular to conflict minerals. We present a detailed report about our social responsibility annually and voluntarily.

Learn more about responsible corporate behaviour at EIZO here.

Environmentally and climate friendly

Each EV2490-BK is manufactured in our own factory, which implements an environmental management system in accordance with ISO 14001. This includes measures to reduce waste, wastewater and emissions, resource and energy consumption, as well as to encourage environmentally conscious behaviour among employees. We publicly report on these measures on an annual basis as a main component of our CSR (Corporate Social Responsibility) report.

Sustainable and durable

The EV2490-BK is designed for a long service life that takes into account the entire lifecycle and impact on the environment. It is generally well above the five-year guarantee. Spare parts are available up to five years after the end of production. The monitor's long service life and the ability to repair it save resources and the climate. When designing the EV2490-BK we paid attention to reducing resource consumption by using high-quality components and materials and being meticulous in production.

The packaging of the EV2490-BK consists of cardboard box made of 85% recycled paper, while the transport pads are based on cellulose in an environmentally friendly way.

Features

A natural beauty

Reducing the use of volatile organic compounds (VOCs) found in material production, such as some paints, is a global concern.

EIZO uses its expertise cultivated from extensive years of research to manufacture its monitor cabinets with a smooth, uniform colour and texture without using paint.

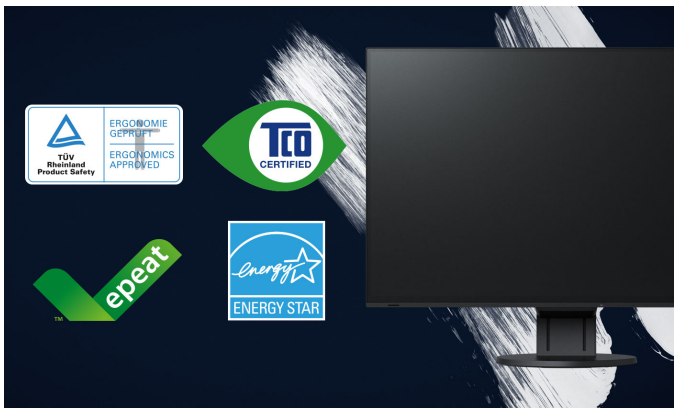
Environmentally friendly packaging

For the packaging of the EV2490-BK, EIZO says goodbye to plastic and polystyrene to reduce environmental impact. Instead, the monitor is securely packaged with moulded pulp made from recycled cardboard and newsprint. The enclosed cables are in cellulose cloths instead of plastic bags.

Left: conventional packaging / Right: environmentally friendly materials

Compliance with standards and guidelines

The monitor is certified according to important and all-encompassing sustainability standards such as TCO Certified Generation 9, EPEAT and ENERGY STAR®. The EV2490-BK is a safe investment, when taking into account issues such as ESG (Environmental, social and corporate governance) or SDG (Sustainable Development Goals) from the United Nations and following the necessary guidelines.



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

Specification

General

Item no.	EV2490-BK
Case color	Black
Areas of application	Office, Gaming
Product line	FlexScan
EAN	4995047063315
Variants	EV2490-WT (Colour: White)

Display

Screen size [in inches]	23.8
Screen size [in cm]	60.5
Format	16:9
Viewable image size (width x height)	527 x 296
Ideal and recommended resolution	1920 x 1080 (Full HD)
Pixel pitch [mm]	0.275 x 0.275
Pixel density [ppi]	93
Resolution supported	1920 x 1080 (Full HD), 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 (USB-C, 8 Bit), 16.7 million colours (DisplayPort, 8 Bit), 16.7 million colours (HDMI, 8 Bit)
Colour palette/look-up table	1.06 billion colour tones / 10 Bit
Max. colour space (typical)	sRGB
Max. brightness (typical) [in cd/m²]	250
Max. dark room contrast (typical)	1000:1
Response time grey-grey alternation (typical) [in ms]	5
Max. refresh rate [in hertz]	60
Backlight	LED

Features & control

USB-C docking	✓
LAN/RJ-45	✓
KVM switch	✓
Preset colour/greyscale modes	User1, User2, sRGB, Paper, Movie, DICOM
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, Signal input, OSD language, Scaling, Volume
Button Guide	✓
Integrated power unit	✓

Dimensions & weights

Dimensions [mm]	537,8 x 332,4 - 523,6 x 230
Weight [in kilograms]	7.2
Dimensions without stand [mm]	531 x 344 x 54
Weight without stand [in kilograms]	4.5
Swivel	344 °
Incline forward/backward	5 ° / 35 °
Pivot	✓ 90° (clockwise and anti-clockwise)
Height adjustment range [mm]	191.2
Hole spacing	VESA standard 100 x 100 mm

Ports

Signal inputs	USB-C (DisplayPort Alt Mode, HDCP 1.3), DisplayPort (HDCP 1.3), HDMI (HDCP 1.4)
Signal outputs/Daisy chain compatibility	USB-C
USB specification	USB 3.1 Gen 1
USB upstream ports	1 x type C (DisplayPort Alt Mode, LAN, 70 W max.), 1 x type B
USB downstream ports	1 x type C (DisplayPort Alt Mode, 15 W max.), 3 x type A
LAN standards	RJ-45 (LAN pass through), IEEE802.3ab (1000BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3(10BASE-T)
Video signal	USB-C, DisplayPort, HDMI (RGB, YUV)
Audio input	USB-C, DisplayPort, HDMI
Audio output	3.5 mm stereo jack

Electric data

Frequency	USB-C: 31-68 kHz/59-61 Hz; DisplayPort: 31-68 kHz/59-61 Hz; HDMI: 31-68kHz, 49-51 Hz/59-61 Hz
Power consumption (typical) [in watt]	11
Maximum Power Consumption [in watt]	155 (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	C
Energy consumption/1000h [in kWh]	9
Power supply	AC 100-120 V / 200-240 V, 50/60 Hz
Power management	✓

Certification & standards

Certification	CE, UKCA, CB, TCO Certified Generation 9, EPA ENERGY STAR ®, TÜV/GS, TÜV/Ergonomics (including ISO 9241-307)**, TÜV/Blue Low Light Content, TÜV/Flicker Free, EPEAT 2018 (US), cTÜVus, EAC, PSE, FCC-B, CAN ICES-3 (B), RCM, VCCI-B, CCC, RoHS, China RoHS, WEEE

Software & accessories

Accompanying software and other accessories are available for download	Screen InStyle
Additional supply	Power cord, Signal cable USB-C – USB-C (5 A), Quick guide, Cable protection
Accessories	CP200-BK (USB-C to DisplayPort cable, 200 cm), CC100-BK (Short USB-C port cable, 100 cm), PM200-K (DisplayPort cable to transfer digital video and audio signals.), PP100-K (Short DisplayPort connection cable, 100 cm), PP200-K (DisplayPort cable, 200 cm), HH200PR-K (HDMI (High Definition Multimedia Interface) cable), PCSK-03-BK (Thin client mount for the stand EIZO FlexStand 4/FlexStand 5), EIZO ScreenCleaner (for the best possible clean without scratching the monitor)

Warranty

Warranty and service	5 years warranty*

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.

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