FlexScan **EV4340X**



→ **Product Website** → **Experience in AR**

42.5" monitor with 4K resolution

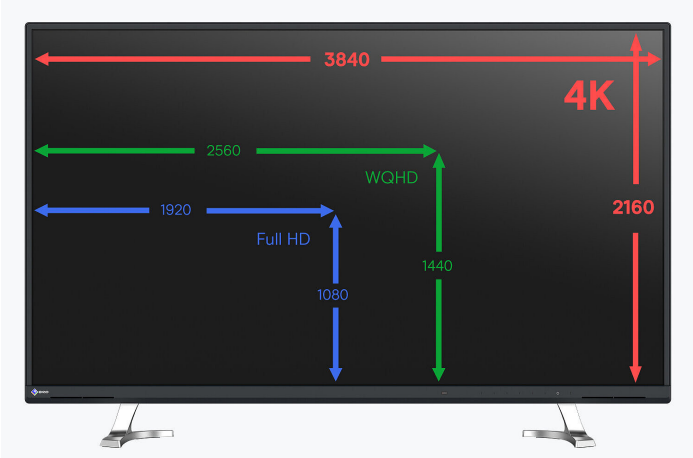
With a 42.5 inch screen diagonal, the EIZO FlexScan EV4340X is ideal for use in control rooms, control centers, trading floors or similar work environments: Its 4K resolution (3840 x 2160 pixels) offers four times as much information as a Full HD monitor. In addition to two HDMI inputs and a DisplayPort connection, the monitor has full USB-C docking functionality including DisplayPort Alt Mode, transmission of video, audio and USB data signals and a power supply of up to 94 watts. The EV4340X also masters operation with multiple computers or image sources with ease. The integrated KVM switch allows the use of a keyboard and mouse combination on two computers. Thanks to its picture-in-picture (PbP) function, the monitor can display up to four video signals side by side. The button on the front can be used to conveniently switch between 12 available layouts. The picture-in-picture (PiP) function for two signal sources offers efficient screen utilization for presentations and meetings. These and other important functions can be controlled on the monitor or via the supplied remote control. Therefore, the EIZO FlexScan EV4340X is also well suited for wall mounting when buttons on the device are not accessible. Its slim design makes grouping in multi-screen systems particularly easy.

- 42.5" monitor with large display, 4K resolution and 104 ppi
- Signal inputs: USB-C (DisplayPort Alt Mode), display port, 2 x HDMI
- Picture-by-picture for 4 signal sources and picture-in-picture for 2 signal sources
- KVM switch function for 2 signal sources
- Docking function via USB-C with DisplayPort signal, LAN and power supply up to 94 watts
- Optionally in black or white housing color
- Contrast 1000:1, brightness 350 cd/m², 178° viewing angle
- Auto EcoView and EcoView Optimizer for maximum energy savings and optimum ergonomics
- Demonstrably environmentally conscious and socially responsible production
- 5-year warranty for maximum investment security

Image quality
Precise, high-contrast, bright and crisp screen

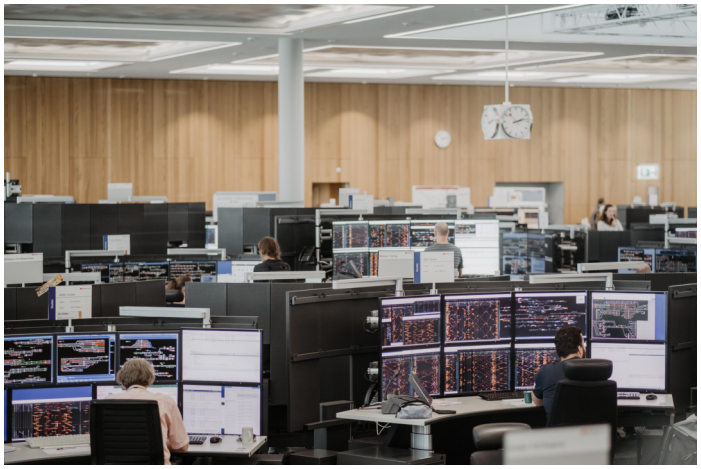
Work effectively on a wide 4K screen

The EV4340X supports 4K (3840 x 2160 pixel) resolution, displaying four times the amount of information than standard Full HD (1920 x 1080 pixel), and more than two times the amount than WQHD (2560 x 1440 pixel) monitors.



4K resolution for ultra-sharp texts and images

Whether control room, control room or retail workstation - the FlexScan EV4340X with 4K Ultra HD resolution supports your work with its exceptional display quality. Texts and graphics are presented on the 42,5 inch monitor thanks to a native resolution of 3840 x 2160 (4K UHD) pixels and 104 ppi (pixels per inch) clearly and precisely.



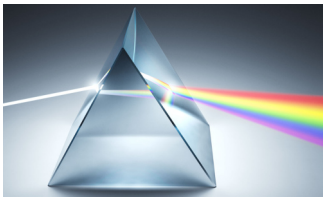
Maximum image quality thanks to the IPS panel

The monitor is capable of all three key elements of excellent image quality: excellent resolution of 3840 x 2160 (4K UHD) pixels, maximum contrast of 1000:1, and stable brightness of up to 350 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.

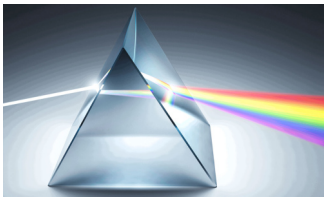


Precise color control

An image can only be perfect if the colors are, too. This is why EIZO monitors have a 10-bit look-up table at a minimum, which allows the color information to be assigned much more precisely than with conventional 8-bit LUTs. The finest color 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

Overdrive to quickly change images

The overdrive function accelerates the switching time so that gray-grey changes take place in just 5 ms on average. You can watch movies and fast image changes without annoying afterglow. When scrolling and positioning windows or images, the display is legible in fractions of a second – faster than it can be perceived. Power consumption and energy efficiency are always in view.

Variety of ports
Best connectivity

One monitor, many ports

It couldn't be simpler: you can connect most signal sources such as computers, video decoders or even supply lines from server rooms directly to the monitor. This is because the EV4340X has various signal interfaces and connections, including a headphone connection and USB down interfaces. This makes integration into the intended installation easier.



TWO PCS, ONE CONTROL

KVM switch

It has never been easier to operate different PCs with a single mouse and keyboard. Thanks to the USB upstream ports, the EV4340X has an integrated KVM (Keyboard Video Mouse) switch. The monitor automatically links the mouse and keyboard to the currently active source computer. For example, connected computers can each be operated on the same combination of monitor, mouse and keyboard. This ensures uninterrupted work and a tidy workspace.

Solutions for remote visualization and video streaming

For the use of the EV4340X in video surveillance solutions, we recommend the optional IP decoding box from EIZO. It enables the computer-free connection of multiple IP cameras or a video management system in security and surveillance environments. The IP decoding box from EIZO is particularly suitable for monitor walls. Neither computers nor software are required for connection to the video network. The compact box can be attached to the EV4340X using a VESA mount and adapter plate to save space. Comprehensive functionalities and compatibilities make the IP decoding box from EIZO a very flexible and space-saving solution module for the output of video streams.

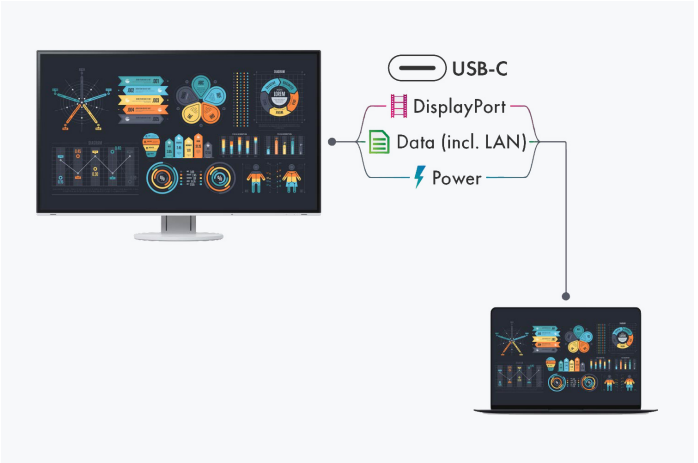
You can find more information about our IP decoding solutions for video surveillance in this video

Streamlined connection with USB-C

Video and audio playback, fast data transfer including network signal and power supply for connected devices – all this and more can be realized with a single USB-C cable. Particularly practical if a notebook with a USB-C or Thunderbolt interface needs to be connected to the monitor.

The 94 W power supply via USB-C reliably charges small computers or notebooks. This eliminates the need for an additional computer power supply unit.

We have tested a small selection of different devices and the compatibility between monitor and computer for you and described them on the international EIZO website.



STABLE NETWORK CONNECTION

LAN port

The monitor has a dedicated LAN port to ensure a stable wired network connection. Laptops and PCs require only one USB-C cable to be connected to the EV4340X to gain network access via the monitor. This is particularly advantageous for laptops that do not have a LAN connection and allows stable data transfer, which is required for video conferences, for example. As a network device the monitor has its own MAC address.

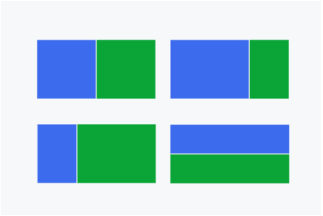
Optionally, the "EIZO MAC Address Clone Utility" software for Windows can temporarily assign the MAC address of the connected PC to the monitor. This transparency grants authenticated PCs network access through the monitor.



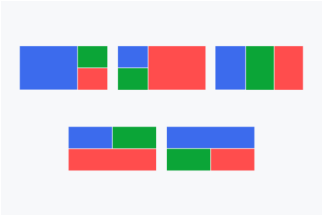
Software and ease of use
Features for greater comfort

Picture-by-picture: everything at a glance

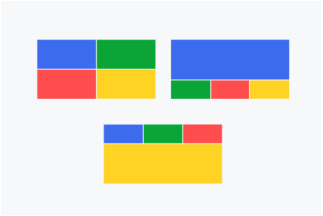
With the picture-in-picture function (PbyP), the monitor can display up to four video signals side by side on its large screen. You can select your preferred picture arrangement from 12 layouts using the button on the front of the monitor or the remote control. This enables optimized screen usage for efficient operation with more than one source.



Picture-in-picture layouts with 2 picture signals



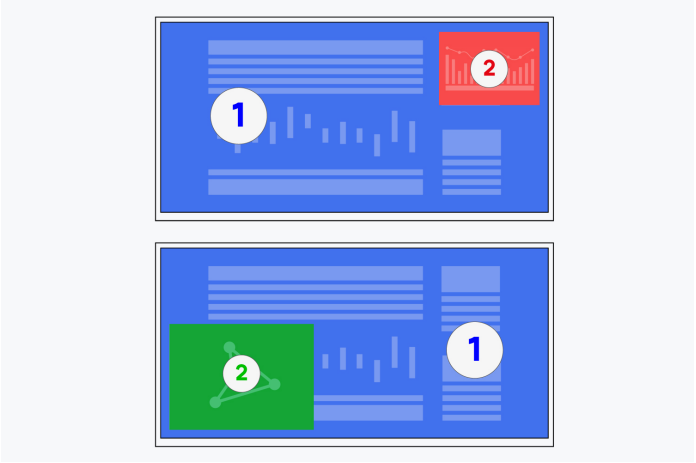
Picture-in-picture layouts with 3 picture signals



Picture-in-picture layouts with 4 picture signals

Picture-in-Picture

Picture-in-Picture mode allows you to display two image signals at the same time – a main image and a reduced-scale image from another signal source inserted into the main image. The size and position of the second window can be varied.



Preset color modes: optimized display at the touch of a button

Preset colour modes optimize the viewing of graphics, text and tables or video. You can set the respective preset for brightness, gamma correction and color temperature at the touch of a button.

Operation made easy

Electrostatic switches are integrated into the front of the EV4340X instead of mechanical buttons. This ensures ease of use while also giving the monitor an extremely elegant look.

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.

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.



Remote control included

The supplied remote control can be used to control the volume, brightness, signal input, picture-in-picture and other settings as well as to switch the monitor on and off. This is useful if the buttons on the front of the monitor cannot be reached, e.g. for wall installations.

MONITOR CONTROL AND ADMINISTRATION

Screen InStyle

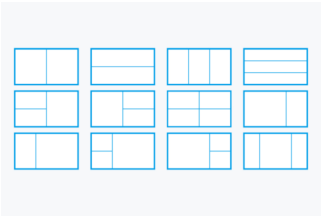
In addition to the on-screen menu, you can conveniently control the EV4340X by using the Screen InStyle software on a PC. The configuration options include color reproduction, energy saving options, and ergonomic functions. In multi-screen systems, the settings can be applied synchronously to all connected screens with Screen InStyle.

Learn more about Screen InStyle here

Organize your desktop with the Screen Layout function

In most work environments, it is common to have several apps such as web conferencing, word processing, browsers and other programs open and visible at the same time.

With the "Screen Layout" function of Screen InStyle, you can arrange the windows of the various programs clearly on the screen and thus work much more efficiently. In addition to predefined layouts, you can freely select window sizes and positions for individual layouts.



Different layouts



With screen layout function



Without screen layout function

SOFTWARE FOR MONITOR CONTROL BY ADMINISTRATORS

Screen InStyle Server

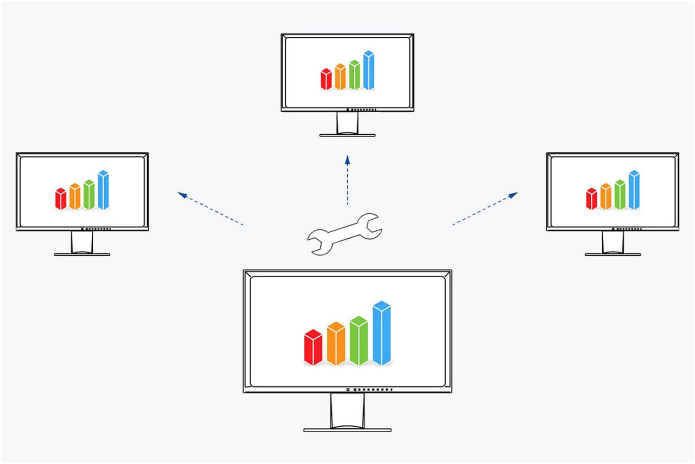
System administrators can centrally manage and control monitors connected in the network with Screen InStyle installed using the Screen InStyle Server application. This optimises power consumption and simplifies asset management of the monitors.

Learn more about Screen InStyle Server here

COMPANY-WIDE DEFAULT SETUP

Monitor Configurator

Workload reduction for administrators: The software allows you to create a default setup for all relevant monitor settings. This setup can be distributed to the connected monitors via the local network which facilitates the roll-out process.



Design
A good figure in any set-up

Elegant design

The appearance of a monitor makes a significant contribution to creating a pleasant working atmosphere. With its fine, practically frameless design and ergonomic functions, the monitor blends naturally into the intended installation. In addition to elegant black, the housing is also available in white with matching white cables.



Ergonomics
Working in a relaxed manner

Easy on the 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 plus: the automatic brightness adjustment can significantly reduce power consumption.

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



During the day



In the evening

FOR THE SAKE OF THE EYES

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. 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 flicker and glare even under these conditions.

The flicker-free and low blue light content of the EIZO FlexScan monitors is certified by TÜV Rheinland.

ANTI-GLARE COATING

More image, less reflection

The EV4340X offers a perfect, non-glare surface. By minimising glare by diffusing the reflected light, the EV4340X 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.

Stand and VESA mounting option

With its stable, non-adjustable stand, the monitor stands securely in its installation location. For VESA mounting, the EV4340X has VESA100 and VESA200 screw connections.

Sustainability
Environmentally and socially conscious production

Save energy effortlessly

Energy efficiency is an important aspect in the development of EIZO monitors. The monitors are equipped with features and functions to reduce power consumption to a minimum.

Up to 50 % less power consumption

The Auto EcoView function automatically adjusts the brightness of the screen to changes in ambient light. This saves electricity compared to a monitor that is operated at a constant brightness. Of course, you can still adjust the monitor manually. The EcoView Index serves as a guide to how economical your setting is.

The EcoView Optimizer automatically reduces the backlight in dark images, thereby reducing power consumption. At the same time, the signal is amplified and the color tone values are adjusted. The result: you experience the usual image quality with lower consumption.

These EcoView technologies reduce overall power consumption by up to 50 %* compared to the display at maximum brightness. Another plus: the automatic brightness adjustment can be easy on your eyes.

* Typical power consumption when no USB Power Delivery is used.

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 0.4 watt in standby mode.



Comprehensive product sustainability

FlexScan monitors from EIZO are produced in accordance with international environmental regulations and in a socially responsible manner. Suppliers along the supply chain are carefully selected and have also committed themselves to this responsibility. During the design process, attention was paid to the low use of resources with high-quality components and materials as well as careful production. In addition, FlexScan monitors protect resources and the climate thanks to their long service life, warranty and repairability.

Read detailed information about product sustainability here.



Environmentally conscious use of materials

The EV4340X is made of more than 75% recycled plastic. This reduces the amount of plastic waste entering the environment, conserves resources and promotes the reuse of materials.

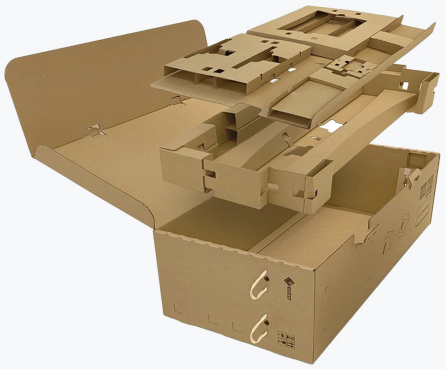
Reducing the use of volatile organic compounds (VOCs) in material production, such as those found in certain paints and varnishes, is also of global interest.

Through years of research, EIZO has succeeded in achieving a smooth, nearly homogeneous color and texture in its monitor housings without the use of varnish.



Cushioning environmental impact

For the packaging of the EV4340X, EIZO uses a padding made of moulded pulp cellulose. The material is made from recycled cardboard and paper and has a much lower environmental impact when disposed of than traditional polystyrene or plastic. All cables are stored in a cardboard compartment instead of being individually packed in plastic bags.



Compliance with standards and guidelines

The monitor is certified according to important and comprehensive sustainability standards such as ENERGY STAR®. In addition, it has an EPEAT Silver registration for compliance with strict sustainability standards at the highest level, which is even supplemented by a Climate + award on science-based climate protection standards.

The EV4340X represents a safe investment if aspects such as ESG (Environmental, Social and Corporate Governance) or SDG (Sustainable Development Goals) of the United Nations are to be observed and required guidelines are to be complied with.

Warranty
Highest investment security

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 technology, made from high-end materials.



Technical Data

GENERAL

Item no.	EV4340X-BK EV4340X-WT
Case color	Black White
Areas of application	Office, Video surveillance, Industry
Product line	FlexScan
Areas of application	Video surveillance, CAD, Finance, Control rooms
EAN	4995047067450 4995047067498

SCREEN

Screen size [in inches]	42,5
Screen size [in cm]	108
Format	16:9
Viewable image size (width x height) [in mm]	941,2 x 529,4
Ideal and recommended resolution	3840 x 2160 (4K UHD)
Pixel pitch [in mm]	0,245 x 0,245
Pixel density [in ppi]	104
Supported resolutions	3840 x 2160 (4K UHD), 2560 x 1440, 1920 x 1200, 1920 x 1080 (Full HD), 1680 x 1050, 1600 x 1200, 1280 x 1024, 1024 x 768, 800 x 600, 720 x 400, 640 x 480
Panel technology	IPS
Max. viewing angle horizontal [in °]	178
Max. viewing angle vertical [in °]	178
Number of colors or greyscale	16.7 million colors (DisplayPort, 8 Bit), 16.7 million colors (HDMI, 8 Bit), 16.7 million colors (USB-C, 8 Bit)
Color palette/look-up table	More than 1.06 billion color tones /14-bit
Max. color space (typical)	sRGB
Max. brightness (typical) [in cd/m²]	350
Max. dark room contrast (typical)	1000:1
Response time grey-grey alternation (typical) [in ms]	5
Backlight	LED

CONNECTIONS

Signal inputs	USB-C (DisplayPort Alt Mode, HDCP 1.3/2.3), DisplayPort (HDCP 1.3/2.3), 2x HDMI (HDCP 1.4/2.3)
USB specification	USB 5Gbps (USB 3)
USB upstream ports	1 x type C (DisplayPort Alt Mode, 94 W max.), 1 x type B
USB downstream ports	1 x type C (15 W charging function), 2x type A
Network connection	RJ-45
LAN standards	IEEE802.3ab (1000BASE-T)
Graphic signal	USB-C, DisplayPort, HDMI (RGB, YUV)
Audio input	USB-C, DisplayPort, HDMI
Audio / headphone output	3.5 mm stereo jack

FEATURES & OPERATION

USB-C docking	✓
LAN/RJ-45	✓
KVM switch	✓
Preset color/greyscale modes	2x manual memory locations, sRGB, Paper, Movie, DICOM
DICOM tone curve	✓
Auto EcoView	✓
EcoView Index	✓
EcoView Optimizer	✓
Overdrive	✓
No flickering	✓
HDCP Decoder	✓
Automatic signal input recognition	✓
Imagen por imagen	✓
Built-in speakers	✓ (8 Watt / 4 + 4 Watt)
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	Color Mode, Brightness, Contrast, Color temperature /White point, Gamma, Overdrive, Colour tone, Color saturation, Picture-by-Picture, Picture-in-Picture, Resolution, Scaling, Image position, Input Range, OSD language, Signal input, All EcoView functions, Volume
Remote	✓
Integrated power unit	✓

ELECTRICAL DATA

Frequency	USB Type-C: 31 - 134 kHz / 29 - 61 Hz; DisplayPort: 31 - 134 kHz / 29 - 61 Hz; HDMI: 31 - 135 kHz / 29 - 61 Hz
Power consumption (typical) [in watts]	31
Maximum Power Consumption [in watts]	243 (at maximum brightness and operation of all signal and USB ports as well as full charging power)
Max. Power consumption in stand-by mode [in watts]	0.4
Power consumption with power switch off [in watts]	0
Energy efficiency class	E
Energy consumption/1000h [in kWh]	31
Power supply	AC 100-240V, 50/60Hz
Max. USB-C Power Delivery [in Watt]	94
Power Management	✓

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	966,8 x 631 x 225,2
Weight (incl. stand) [in kg]	15.9
Dimensions (without stand) (width x height x depth) [in mm]	966,8 x 571 x 89,9
Weight (without stand) [in kg]	15.2
Dimension drawing (PDF)	Dimension drawing (PDF)
Hole spacing	200 x 200; 100 x 100

CERTIFICATION & STANDARDS

Certification	CE, UKCA, CB, TÜV/GS, TÜV/Ergonomics (including ISO 9241-307), EPEAT 2018 (US), TÜV/Low Blue Light Content, TÜV/Flicker Free, RCM, cTÜVus, FCC-B, CAN ICES-3 (B), TÜV/S, PSE, VCCI-B, EPA ENERGY STAR, RoHS, WEEE, China RoHS, CCC
EPEAT	EPEAT 2018 Silver (US), EPEAT Climate +

SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	Screen InStyle, Screen InStyle Server, MAC Address Clone Utility, Monitor Configurator
Other box contents	Remote control, USB/signal cable (USB-C - USB-C), USB cable (Type A - Type B), Signal cable DisplayPort - DisplayPort, Power cord, Manual via download, Quick guide
Accessories	CP200 (USB-C to DisplayPort cable), CC100 (USB-C port cable), PP100-K (DisplayPort cable)

WARRANTY

Warranty periode	5 years for unit and LCD module up to 30,000 operating hours, whichever comes first.
Included warranty	Zero pixel defects guarantee; no fully illuminated sub-pixels (sub-pixels ISO 9241-307) for six months from date of purchase.

Experience the EV4340X in AR now!

Find your EIZO contact:
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Belgrader Straße 2
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Phone: +49 2161 8210-0
www.eizo.eu

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