FlexScan **EV3451X**



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

34" ultrawide office monitor

FlexScan EV3451X – More overview. More efficiency. More future. The EV3451X was developed for modern work environments where productivity, flexibility, and sustainable investment are equally important. The 34.1-inch ultrawide display with UWQHD resolution (3440 × 1440) offers significantly more screen space than Full HD and allows you to comfortably view multiple applications on a single screen—without the distracting monitor bezels of a multi-monitor setup. The gentle curved design supports natural and focused work. With its USB-C port—which supports video, audio, network, and data transmission, as well as up to 94 watts of Power Delivery—the EV3451X serves as a central docking station for the workplace. An integrated KVM switch makes it easy to use two computers with just one keyboard and mouse. A seven-year warranty ensures maximum investment security. It underscores EIZO's high quality standards—Made in Japan—and supports sustainable IT strategies through an exceptionally long service life. This is complemented by compliance with recognized sustainability standards.

- 34.1-inch curved ultrawide monitor with a 21:9 aspect ratio and 3440 x 1440 pixels (109 ppi) for excellent readability
- Large curved display with a narrow bezel and sleek design
- Contrast ratio 1000:1, brightness 350 cd/m², 178° viewing angle
- 100 Hz refresh rate for smoother motion when scrolling and moving objects
- USB-C port with docking functionality for video output, USB, LAN, and power delivery up to 94 watts
- Signal inputs: USB-C (DisplayPort Alt Mode), DisplayPort, two HDMI
- Auto EcoView, EcoView Index, and EcoView Optimizer for maximum energy savings and optimal ergonomics
- KVM switch and picture-by-picture for two computers
- Proven to be produced in an environmentally conscious and socially responsible manner
- Available in black or white housing
- 7-year warranty for maximum investment security

Warranty
Highest investment security

DESIGNED FOR TRUST, BUILT FOR THE FUTURE.

7-Year Warranty

EIZO has always stood for uncompromising quality. With the world's first* 7-year warranty, EIZO is now setting another standard for long-term reliability and investment security. Right from the design and development stages, the EV3451X was engineered for exceptional quality and reliability.

EIZO's quality promise is based on an integrated approach, from the first sketch to the finished product. Research and development, manufacturing, and quality control—every phase is carried out in-house at the headquarters in Japan. This enables precise, continuous monitoring and forms an important foundation for product and image quality. The result is monitors that are characterized by durability, reliable operation, and consistently high performance. For monitors you can rely on.

*According to EIZO research, as of June 2026.

Why are EIZO monitors so durable? Uncovering the exceptional quality that makes a 7-year warranty possible.



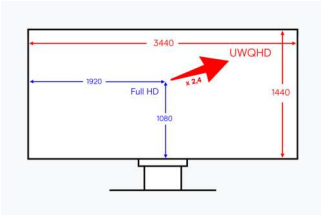
Design
A pleasing sight on any desk

PLENTY OF SPACE, COMFORTABLE VIEW

Ultrawide format and curved design

The EV3451X impresses with a 34.1-inch diagonal and an ultrawide aspect ratio of 21:9. Its 3440 x 1440 pixels (UWQHD) correspond to 2.4 times a Full HD resolution and combine with the screen area to create a 109 display. The result: sharp, clear images. Several applications can easily fit on the large monitor at the same time, meaning that a second monitor is usually not required.

The curved design ensures comfortable visibility. The distance between your eyes and the screen increases towards the edges, something that becomes even more obvious when you sit closer to the monitor. In contrast to a consistently flat surface, the monitor's curvature gives you a better view of the sides of the screen.



Resolution



Comfortable visibility

FOR EVERY WORK ENVIRONMENT

Elegant design

The look of a monitor can be key to creating a pleasant working environment. Whether you're at home or in the office, the monitor's minimalist design and ergonomic features allow it to fit naturally into your workplace environment.

Thanks to its virtually frameless housing and slim, sturdy stand, the monitor requires relatively little space despite its large screen size. This allows the EV3451X to leave enough space on standard desks for comfortable work.

The housing is available in an elegant black or in white, with matching white cables.





CLEAN DESK

Tidy cable routing

A multitude of connection options means lots of cables.The EV3451X is clutterless, since it is equipped with a cable duct and a detachable backplate. These features make sure the back of the device is kept nice and tidy, rounding off the very sophisticated design.

Variety of ports
Best connectivity

CONVENIENTLY CONNECTED

One monitor, many ports

It couldn't be easier: Most end devices, such as PC, laptop, mouse, keyboard or headphones, can be connected directly to the monitor, thanks to its wide range of signal interfaces and ports. This makes your daily work easier and ensures a tidy desk.

Learn more about the connectivity of EIZO monitors.



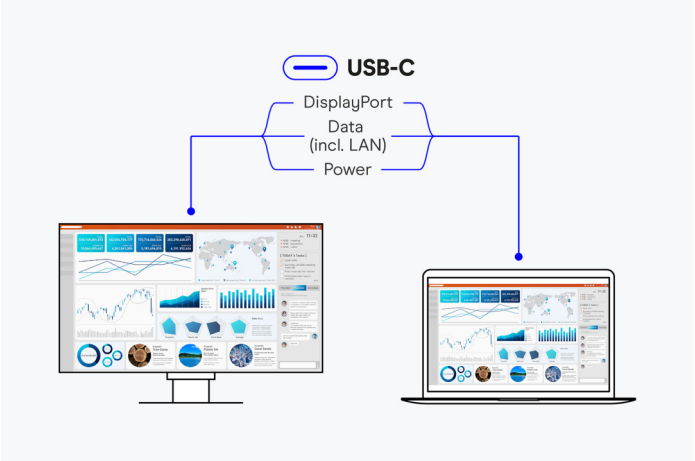
MODERN AND FUTURE-PROOF

USB-C: one cable for everything

Video and audio reproduction, 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 EV3451X will 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 94 W 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: What's behind it? In the EIZO Academy, we provide a detailed overview of this connector standard.



STABLE NETWORK CONNECTION

LAN port

The monitor features a dedicated LAN port for a stable wired network connection. Laptops or PCs simply need to be connected to the EV3451X via a USB-C cable to access the network signal through the monitor. This is particularly advantageous for laptops that no longer have a LAN port. It enables stable data transfer, as required for video conferences, for example. As a network device, the monitor has its own MAC address or temporarily identifies itself using the MAC address of the connected computer.

Alternatively, the "EIZO MAC Address Clone Utility" software for Windows can assign a MAC address to the screen, for example, if a connected computer has only one virtual network adapter.



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 EV3451X has an integrated KVM (Keyboard Video Mouse) switch. The monitor automatically links the webcam, microphone, speakers, mouse and keyboard to the currently active source computer. This means, for example, that a desktop PC and laptop or business and private PC can each be operated on the same combination of monitor USB devices. This ensures uninterrupted working and a tidy workspace.

Discover all the advantages of the KVM switch here.

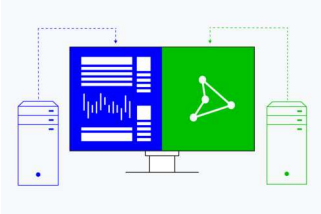
Software and ease of use
Features for greater comfort

IMAGE SIGNALS SIDE BY SIDE

Picture-by-picture (PbP)

If multiple computers are connected with the monitor, picture-by-picture mode allows you to view two signal sources on the screen independently. This saves time and means you don't have to switch constantly between different video and audio sources.

Three pre-set picture-by-picture layouts are available at the push of a button, allowing you to comfortably display multiple applications in different sizes.



Picture-by-picture mode

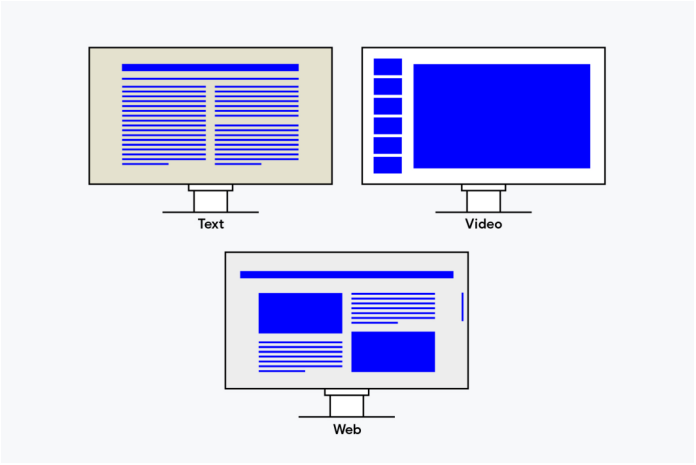


Pre-set layouts

PRESET COLOR MODES

Optimized color display at the touch of a button

Preset color modes optimize the viewing of images, texts or videos. Because it makes a difference whether you are watching a video, looking at 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 color temperature. An example: Paper mode simulates the pleasant contrast of printed paper, making reading easier on the eyes and preventing fatigue.



BT.709/Rec.709 Color Presets

In addition to standard sRGB mode, the EV3451X features a BT.709 mode for consistent display of video and media content. You can switch between display modes easily using the monitor's front buttons.



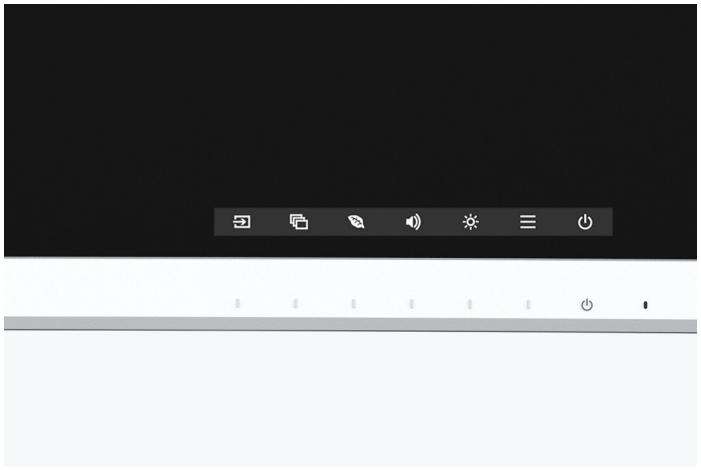
BUTTON GUIDE

Operation made easy

Electrostatic switches are integrated into the front of the EV3451X 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.

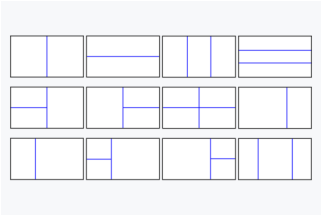
The speakers and all the controls are also built into the bezel, pointing forward in the direction of the user. They are fully integrated into the monitor's flat, nearly frameless design to offer an excellent user experience.



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

SNAPSWITCH

Efficient control via hotkeys

Some important functions can be executed simply and directly via an already connected USB keyboard. Functions such as brightness, volume, color mode, picture-by-picture, or USB port assignment can be assigned to double-clicks on the CTRL, Alt, and Shift keys. The advantage: time savings through fast and efficient operation.

MONITOR CONTROL AND ADMINISTRATION

Screen InStyle

In addition to the on-screen menu, you can conveniently control the EV3451X 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

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.

Learn more about the Monitor Configurator software.

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

SEE MORE, WORK BETTER
Outstanding image quality

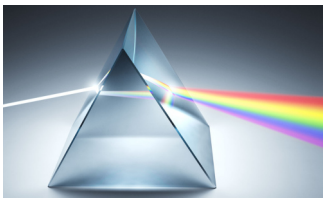
The monitor is capable of all three key elements of excellent image quality: excellent resolution of 3440 x 1440 pixels, maximum contrast of 1000:1, and stable brightness of up to 350 cd/m^2. That means you will experience razor-sharp text contours, brilliant graphics, and clear images. Thanks to the high-quality IPS panels with LED backlight, contrasts and colours remain stable from every viewing angle.

We do everything we can to achieve the perfect image. Read more about how we achieve our excellent image quality.

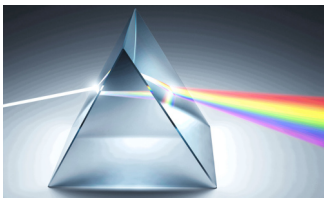


LOOK-UP-TABLE
Precise color control

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 to such an extent that gray-gray changes typically occur in just 5 ms. 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.

Ergonomics
Working in a relaxed manner

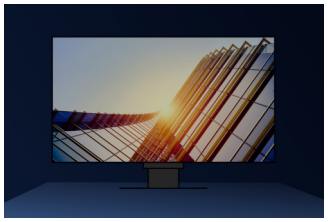
EASY ON THE EYES WITH AUTO ECOVIEW
Automatic brightness control

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 still adjust the monitor manually. The power consumption indicator and EcoView Index give you an indication of 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.

SMOOTHER MOVEMENTS
100 Hz refresh rate

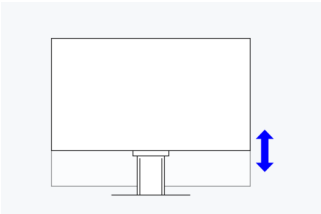
The EV3451X supports a refresh rate of 100 Hz, ensuring smoother motion when scrolling and moving windows.

MORE IMAGE, LESS REFLECTION
Optimal anti-glare coating

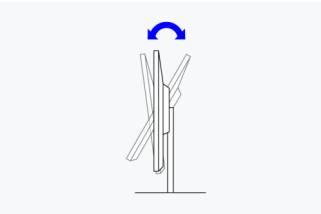
The EV3451X offers a perfect, non-glare surface. By minimising glare by diffusing the reflected light, the EV3451X effectively protects your eyes from straining. This keeps your eyes from getting as tired and allows you to sit comfortably in front of the monitor, without having to sit in a forced position to prevent glare.

FLEXIBLE ADJUSTMENT
Ergonomic stand

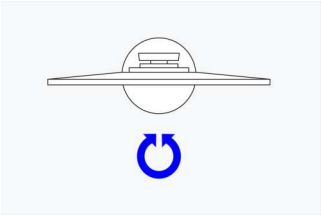
Ergonomic and stable: the adjustable stand focuses on ergonomics. You can swivel and tilt the monitor stand until you find the most comfortable setting for your back, neck and sitting posture. It features continuous height adjustment and can be lowered almost to the base plate of the stand, enabling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



Height
195 mm



Tilt
Between 5° forwards and 35° backwards



Swivel
90°

Sustainability
Environmentally and socially conscious production

SAVE ENERGY EFFORTLESSLY

Power saving functions

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.

Work energy-efficiently with power-saving monitors from EIZO. Read more about it.

Up to 60 % 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 power consumption indicator and EcoView Index give you an indication of how economical your settings are.

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.

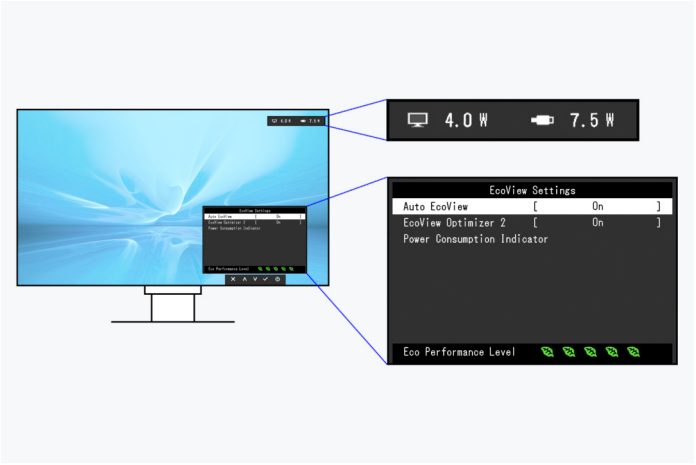
And best of all, the greatest energy savings can be achieved simply by selecting Eco mode.

These EcoView technologies reduce overall power consumption by up to 60 %* 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.

Power consumption indicator

The power consumption indicator in the on-screen menu shows the power consumption of the monitor and connected USB devices in real time. Alternatively, you can display this information statically at the edge of the screen so you can see it at a glance.



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 0.3 watt in standby mode.



FOCUS ON THE ENVIRONMENT AND RESOURCES

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.





CONSERVING RESOURCES

Environmentally conscious use of materials

The EV3451X is made of more than 64% 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.

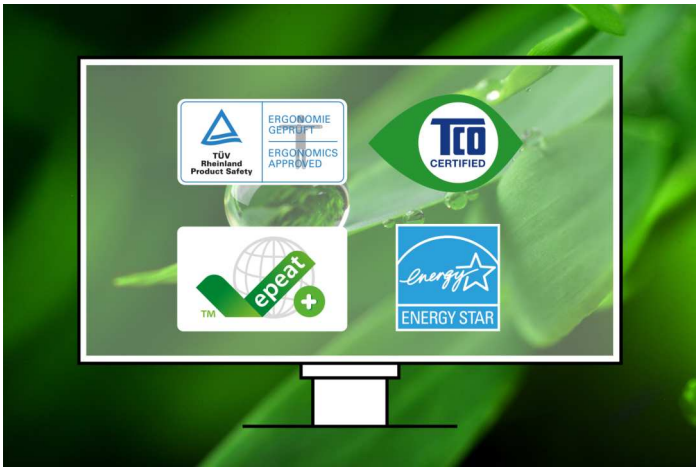
Through years of research, EIZO has succeeded in achieving a smooth, nearly homogeneous color and texture in its monitor housings without the use of varnish.

STANDARDS AND GUIDELINES

Compliance with sustainability standards

The monitor is certified to important and comprehensive sustainability standards such as TCO Certified Generation 10 and ENERGY STAR®. It also has an EPEAT registration for compliance with strict sustainability standards at the highest level, which is even complemented by a Climate+ award on science-based climate protection standards.

The EV3451X 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.



SUSTAINABLE DEVELOPMENT GOALS

Our Contribution to SDGs

As part of its sustainability initiatives, EIZO is contributing towards the United Nations' Sustainable Development Goals (SDGs).

Learn more about EIZO's sustainability initiatives here.

Environmentally Conscious Product Development

FlexScan embodies EIZO's commitment to sustainability through the use of recycled materials and low-impact components. The monitors are optimized for energy efficiency, contributing to lower greenhouse gas (GHG) emissions.
EIZO also collects and recycles used products to further minimize environmental impact. We strive to promote efficient and circular resource use across every stage of the product lifecycle - from parts and materials procurement to manufacturing, transportation, user experience, and end-of-life disposal.
All production sites at EIZO's headquarters in Japan operate on 100% renewable energy.

Learn more.

Workstyle Innovation and Productivity

FlexScan offers a versatile lineup and user-friendly features to support a wide range of workstyles. Each monitor can be adjusted to match individual preferences for screen position and display settings, while integrated eye care technologies help reduce eye fatigue during use. With reliable image quality and thoughtful design, FlexScan empowers business professionals to work more efficiently and comfortably.

Learn more about our FlexScan monitors.



Technical Data

GENERAL

Item no.	EV3451X-BK EV3451X-WT
Case color	Black White
Areas of application	Office
Product line	FlexScan
Areas of application	Large and medium-sized companies, Private user & small business, Home Office, CAD, Finance, Control rooms
Specific system requirements	None, compatible with most computers and operating systems including macOS and Windows
EAN	4995047074700 4995047074687

SCREEN

Screen size [in inches]	34,1
Screen size [in cm]	86,7
Format	21:9 (Ultrawide)
Bending radius [in mm]	3800
Viewable image size (width x height) [in mm]	799,8 x 334,8
Ideal and recommended resolution	3440 x 1440
Pixel pitch [in mm]	0,233 x 0,233
Pixel density [in ppi]	109
Supported resolutions	3440 x 1440, 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
Max. refresh rate [in Hz]	100
Backlight	LED

FEATURES & OPERATION

USB-C docking	✓
LAN/RJ-45	✓
KVM switch	✓
Preset color/greyscale modes	BT.709, 2x manual memory locations, sRGB, Eco, Paper, DICOM
DICOM tone curve	✓
Auto EcoView	✓
EcoView Index	✓
EcoView Optimizer	✓
Overdrive	✓
No flickering	✓
HDCP Decoder	✓
Automatic signal input recognition	✓
Picture-by-Picture	✓
Built-in speakers	✓ (4 Watt / 2 + 2 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, Resolution, Scaling, Monitor reset, OSD language, Signal input, All EcoView functions, Volume, Key lock
Button Guide	✓
Integrated power unit	✓

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), 3 x type A
Network connection	RJ-45
LAN standards	2.5GBASE-T
Audio input	USB-C, DisplayPort, HDMI
Audio / headphone output	3.5 mm stereo jack

ELECTRICAL DATA

Frequency	USB Type-C: 31 - 152 kHz / 29 - 101 Hz; DisplayPort: 31 - 152 kHz / 29 - 101 Hz; HDMI: 31 - 152 kHz / 29 - 101 Hz
Power consumption (typical) [in watts]	15
Maximum Power Consumption [in watts]	204 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	0.3
Power consumption with power switch off [in watts]	0
Energy efficiency class	C
Energy consumption/1000h [in kWh]	16
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]	816 x 382,7 - (577,7 x 242,6) - 250,2
Weight (incl. stand) [in kg]	11.9
Dimensions (without stand) (width x height x depth) [in mm]	816 x 368 x 92
Weight (without stand) [in kg]	9.3
Dimension drawing (PDF)	Dimension drawing (PDF)
2D CAD data (DXF)	Download 2D CAD data (DXF)
Rotatability of the stand [in °]	90
Tiltability forwards/backwards [in °]	5 / 35
Height adjustment range [in mm]	195
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certification	CE, UKCA, CB, TÜV/GS, TÜV/Ergonomics (including ISO 9241-307), TCO Certified generation 10, TÜV/Low Blue Light Content, TÜV/Flicker Free, RCM, cTÜVus, FCC-B, CAN ICES-3 (B), PSE, VCCI-B, EPA ENERGY STAR, RoHS, WEEE, China RoHS, CCC
EPEAT	EPEAT 2018 Gold (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	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	PCSK-04 (Thin Client Mount), PM200-K (DisplayPort cable to transfer digital video and audio signals), CP200 (USB-C to DisplayPort cable), CC100 (USB-C port cable), PP100-K (DisplayPort cable)

WARRANTY

Warranty periode	7 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 EV3451X in AR now!

Find your EIZO contact:
EIZO Europe GmbH
Belgrader Straße 2
41069 Mönchengladbach
Phone: +49 2161 8210-0
www.eizo.eu

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