

[→ Product Website](#)

8 MP pathology monitor with USB-C docking

The PX3150 is a 30.5-inch medical monitor with 8-megapixel resolution (4096 x 2160 pixels), offering a larger display area than conventional 4K monitors (3840 x 2160 pixels). Designed specifically for digital pathology, it enables reliable visual assessment in diagnostics. To ensure precise color reproduction right from the start, every single PX3150 monitor is calibrated at the EIZO factory. The color space and gamma are precisely calibrated to faithfully reproduce the sRGB color space, thereby providing a reliable visual reference for the evaluation of digitized specimens. Since the display characteristics of monitors can gradually change over time, regular recalibration is essential for consistent image quality. The integrated sensor in the monitor frame enables color accuracy checks and calibrations. In combination with EIZO's RadiCS quality assurance software, routine quality checks can be performed automatically outside of operating hours, such as overnight. This ensures continuous quality management without disrupting ongoing operations. The PX3150 is FDA-approved for digital pathology and meets the Class A requirements of the IVDR under the European regulatory framework. It thus provides a reliable display solution for pathological diagnostic applications.

- ✓ 30.5-inch color monitor with 8-megapixel resolution and a larger display area than standard 4K
- ✓ Precise color reproduction and diagnostic reliability for digital pathology
- ✓ Clear visibility of structures thanks to high contrast and reduced blur
- ✓ Automatic control of luminance distribution for a uniform display surface (Digital Uniformity Equalizer)
- ✓ Calibration and an integrated sensor ensure consistent image quality
- ✓ FDA and IVDR approval for reliable use in pathological diagnostic applications
- ✓ Flexible docking function via USB-C with DisplayPort signal, LAN, and power delivery up to 94 watts
- ✓ 5-year warranty for maximum investment security

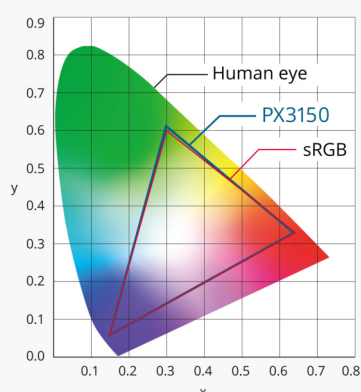
Precise color reproduction

For diagnostic use in pathology

FROM THE VERY FIRST USE

Whole-slide imaging with calibrated reliability

In pathological diagnostics, even slight color differences can influence the assessment of tissue and cell structures. To ensure precise color reproduction right from the very first use, every single monitor is calibrated at the EIZO factory. The color space and gamma are calibrated with such precision that the sRGB color space is reproduced faithfully. This makes the monitor a reliable visual reference for evaluating digitized specimens.



Color Gamut Comparison

ABSOLUTE PRECISION

Quality control and color accuracy verification

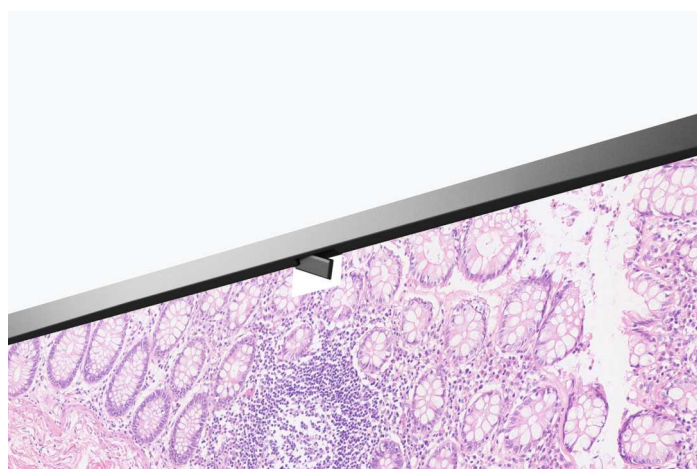
In digital pathology, continuous quality assurance is of great importance, as consistent color representation supports accurate interpretation in virtual microscopy. Using the separately available EIZO "RadiCS" software for monitor quality control, color accuracy is evaluated using reference color patches, and calibration is performed in accordance with the sRGB standard.

Designed specifically for digital pathology, this monitor sets new standards in color precision: Using the ΔE_{2000} standard metric, the monitor precisely verifies the match between displayed colors and their reference values. By consistently maximizing color precision, the monitor helps preserve subtle gradations in digitally scanned tissue sections for precise visual assessment.

CONSISTENTLY RELIABLE

Automated color accuracy via an integrated sensor

The colors on a monitor change over time, which is why regular recalibration is essential to ensure consistency. The sensor built into the monitor frame allows you to perform color accuracy checks and calibrations without the need for an external measuring device. With RadiCS, routine quality checks can be automatically scheduled – for example, overnight – and carried out outside of operating hours. This enables continuous quality management without interrupting daily workflows.



UNCOMPROMISING SAFETY

IVDR and FDA Approval for Pathology

The PX3150 meets Class A requirements under the European In Vitro Diagnostic Medical Devices Regulation (IVDR) and has received approval from the U.S. Food and Drug Administration (FDA) for use as a display for digital pathology. Compliance with these international standards attests to the monitor's reliable image reproduction, as it was specifically developed for diagnostic applications in pathology.

Image quality

Precise, high-contrast, bright and crisp screen

STABLE FROM EVERY ANGLE

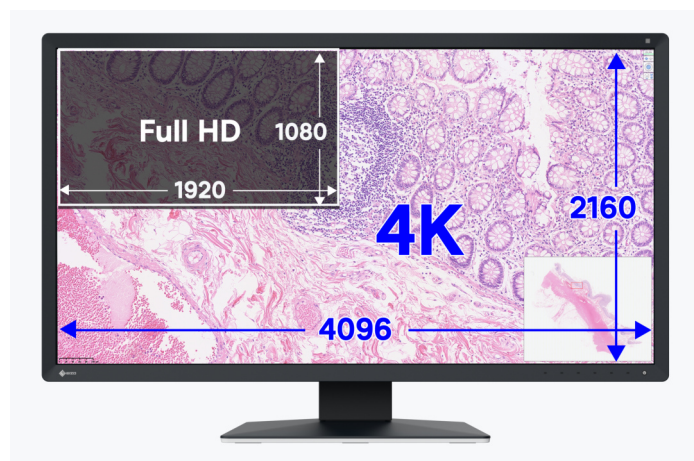
Excellent image quality for the finest details

Thanks to the high 8 Megapixels (colour) resolution, a strong contrast ratio of 1800:1 and stable brightness of up to 550 cd/m², the monitor offers excellent image quality. Even the differences between the finest details are shown – regardless of your viewing angle. This is a great advantage if multiple physicians are looking at the screen.

MORE THAN 4K RESOLUTION

High level of detail on a 30,5 inch screen

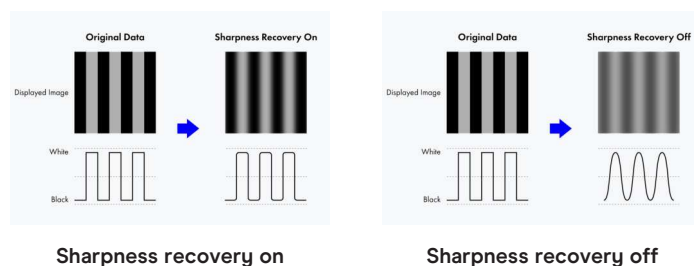
A high resolution of 4096 x 2160 (4K DCI) – which offers a larger display area than conventional 4K monitors (3840 x 2160) – combined with a large 30,5-inch screen provides a generous viewing area that displays more than four times the information of Full HD. Whole Slide Images (WSI) and, in particular, areas relevant to the diagnosis can be viewed with a high level of detail.



CLEAR IMAGES FOR CLEAR DIAGNOSES

Blur reduction

LCD panels with a high brightness level tend to have more blurry image rendering thanks to over-framing than would be possible in comparison with an acquired exposure. Therefore, EIZO offers blur reduction anchored in monitor hardware. It retrieves details lost in the contours on the screen, meaning that the image is rendered as clearly as possible.



DIGITAL UNIFORMITY EQUALIZER

Uniform brightness and high color purity

The monitor shines thanks to its high color purity and uniform illumination. This is down to the Digital Uniformity Equalizer (DUE), which corrects imbalances automatically, pixel by pixel. Gray and color tones of medical images are correctly rendered over the entire display. This is essential for precise image reproduction.



With DUE

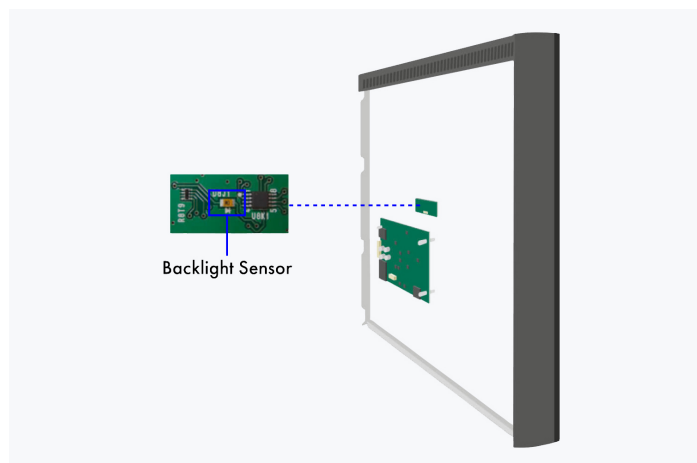


Without DUE

BACKLIGHT SENSOR

Constant brightness during operation

A sensor for the backlight permanently determines the luminance of the monitor. The benefit: The defined and calibrated values are rendered exactly just seconds after the monitor is turned on and remain constant during the entire period of use. The sensor is invisibly integrated in the monitor.

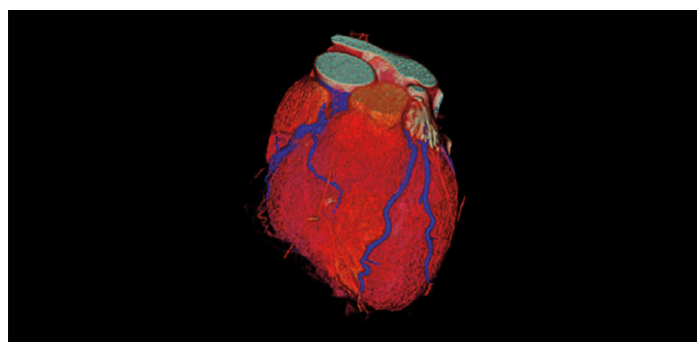


Back of the monitor

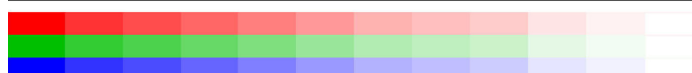
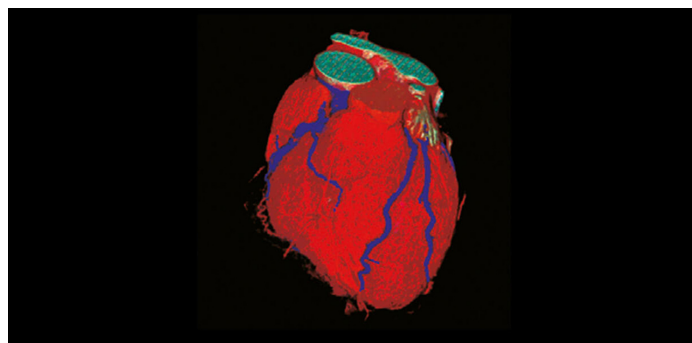
PRECISE COLOR REPRODUCTION

One billion color tones thanks to 13 bit LUT

The color rendering is controlled via a 13-bit Look-Up-Table (LUT). With DisplayPort and USB-C connections, up to 10 bits are available for the display. This results in a resolution with a maximum of 1 billion color tones. The rendering characteristic and fine structures required for diagnostics can therefore be precisely identified.



With 13 bit LUT



Without 13 bit LUT

Variety of ports Best connectivity

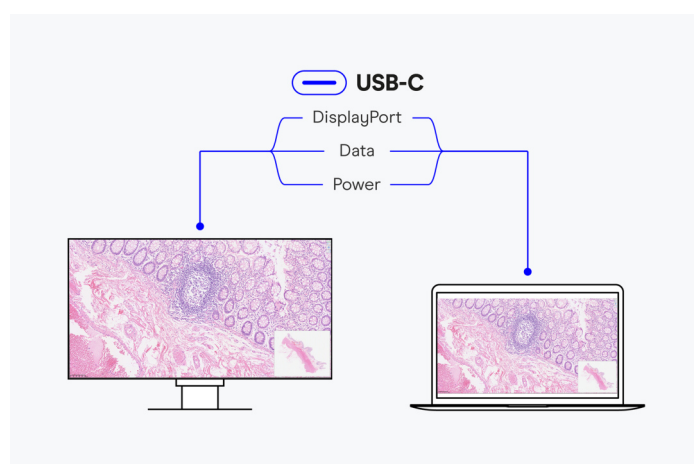
MODERN AND FUTURE-PROOF

USB-C: one cable for everything

Video playback, fast data transfer including network signal as well as power supply for connected devices, all this and more can be realised with a single USB-C cable. The PX3150 becomes the central docking station to which you can quickly and conveniently connect your notebook. Particularly practical if you use a notebook for the teleradiology or telepathology home office.

The 94 W power supply via USB-C reliably charges small computers or notebooks. This creates more space on the desk, because an additional computer power supply unit becomes superfluous.

[USB-C: What's behind it? In the EIZO Academy, we provide a detailed overview of this connector standard.](#)



DAISY CHAIN METHOD**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 two 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.

[USB-C daisy chain compatibility of the PX3150.](#)

**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 PX3150 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.

**CONVENIENTLY CONNECTED****One monitor, many ports**

It couldn't be easier: Most end devices, such as PC, laptop, mouse or keyboard, 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.](#)



Software and ease of use

Features for greater comfort

FOR MAXIMUM DIAGNOSTIC EFFICIENCY

Intelligent Work and Flow Functions

The Work and Flow functions provide innovative support for pathological diagnostics and enable efficient, structured workflows. Of particular note is the “Point and Focus” feature, which simplifies diagnostic processes and supports targeted diagnostics. In addition, the “Hide and Seek” feature allows for the temporary display of PIS/LIS data on the main screen, ensuring quick access to relevant information – a real asset in everyday work.

Point-and-Focus: all eyes on the analysis

The Point-and-Focus function allows you to select and focus on relevant image areas quickly using your mouse or keyboard. By adjusting the brightness and greyscale, the interesting parts of an image are highlighted by dimming the surrounding areas.

Hide-and-Seek: fast retrieval of information

Hide-and-Seek adds the benefit of making it possible to access reports, patient files and other information on the display quickly and efficiently without needing an additional monitor. When you move your cursor towards or away from the edge of the screen, a PinP window hides and displays information.

Switch-and-Go: just one keyboard and mouse for two systems

Switch-and-Go makes it possible to work using just one keyboard and mouse at diagnostic imaging stations that make use of two computers. You can switch between the two systems simply by moving your cursor from one screen to the other. This ensures greater work efficiency and allows you to maintain a clear overview of your workstation.

Improved comfort

Efficiency in image reproduction

FOR EVERY WORK ENVIRONMENT

Elegant design

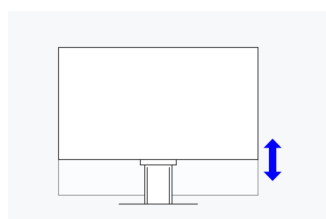
A housing with rounded corners and elegant curves on the back presents a soft aesthetic and creates a pleasant impression.



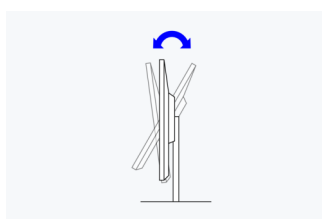
FLEXIBLE ADJUSTMENT

Ergonomic stand

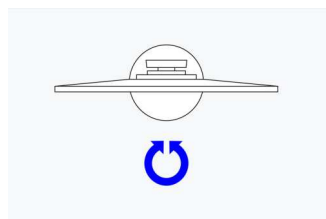
Ergonomic and stable: the adjustable stand focuses on ergonomics. You can swivel and tilt the monitor stand until you find the most comfortable setting for your back, neck and sitting posture. It features continuous height adjustment and can be lowered almost to the base plate of the stand, enabling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



Height
100 mm



Tilt
Between 5° forwards and 30° backwards



Swivel
70°

Sustainability

Environmentally and socially conscious production

DURABLE, FAIR, AND RESOURCE-EFFICIENT

Responsibility in Development, Supply Chain, and Production

The PX3150 is designed for sustainable and long-lasting use—typically well beyond the warranty period. Replace-

ment parts remain available long after production ends, and the product's reparability helps protect the environment. During development, emphasis was placed on minimal resource use, high-quality components, and meticulous production. Because one thing is clear: durable products make a significant contribution to environmental protection.

Manufacturing is carried out in a socially responsible manner and without child or forced labor; carefully selected suppliers are committed to the same standards, particularly regarding the handling of conflict minerals.

Manufactured in our own facility, which has an ISO 14001- and ISO 50001-certified environmental and energy management system, the production process includes measures to reduce waste, emissions, and energy consumption.

We publish a detailed annual report on these measures.



CONSERVING RESOURCES

Environmentally conscious use of materials

The PX3150 consists of approximately 70 % recycled plastic. This reduces the amount of plastic waste entering the environment, conserves resources and promotes the reuse of materials to preserve natural ecosystems.

FOCUS ON THE ENVIRONMENT

Sustainable packaging

For the packaging of the PX3150, 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.



Eco-conscious packaging from EIZO

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

EIZO's healthcare products combine high performance and advanced functionality to meet the demands of medical environments, while also incorporating environmentally conscious features such as the use of recycled materials and low-impact components. They 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.

Quality and Safety in Healthcare

In today's medical field, efforts are underway to deliver care tailored to each individual. Under our message "Making Each Life Visual," EIZO offers healthcare solutions that collect, connect, and utilize vast amounts of medical information. These solutions help build optimal imaging environments, supporting greater efficiency, accuracy, and safety in diagnosis and treatment.

[Learn more.](#)

SUSTAINABLE DEVELOPMENT GOALS



Warranty

Highest investment security

DURABLE THANKS TO HIGH-END QUALITY

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.



Graphics board recommendation

For precise diagnostics

PRECISE DIAGNOSIS

EIZO Graphics card MED-XN64

The EIZO graphics card supports the properties, functions, and settings of the PX3150 optimally. It enables precise diagnosis and can control several monitors simultaneously. EIZO offers technical support and warranty service for the graphics card.

[To the graphics card overview](#)



Technical Data

GENERAL	
Item no.	PX3150
Case color	Bicolor, black and white
Areas of application	Healthcare
Areas of application	Pathology
EAN	4995047072492
SCREEN	
Screen size [in inches]	30,5
Screen size [in cm]	77,5
Format	17:9
Viewable image size (width x height) [in mm]	685,7 x 361,6
Resolution in MP	8 Megapixels (colour)
Ideal and recommended resolution	4096 x 2160 (4K DCI)
Pixel pitch [in mm]	0,1674 x 0,1674
Supported resolutions	4096 x 2160 (4K DCI)
Panel technology	IPS
Max. viewing angle horizontal [in °]	178
Max. viewing angle vertical [in °]	178
Number of colors or greyscale	1.07 billion colors (USB-C, 10-bit), 1.07 billion colors (DisplayPort, 10 Bit), 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	543 billion colour tones / 13 bit
Max. color space (typical)	sRGB
Max. brightness (typical) [in cd/m²]	550
Recommended brightness [in cd/m²]	370
Max. dark room contrast (typical)	1800:1
Response time black/white/black change (typical)	12,5 (black-white-black, half cycle)
Backlight	LED
CONNECTIONS	
Signal inputs	USB-C (DisplayPort Alt Mode), 2x DisplayPort, HDMI
Signal outputs	USB-C (for daisy chain)
Daisy-chain capable	✓
USB specification	USB 2
USB upstream ports	1 x type C (DisplayPort Alt Mode, 94 W max.), 2 x type B
USB downstream ports	3 x type A, 1 x type C (DisplayPort Alt Mode, 15 W max.)
Network connection	RJ-45
LAN standards	IEEE802.3ab (1000BASE-T)
Graphic signal	USB-C, DisplayPort, HDMI (RGB, YUV)
FEATURES & OPERATION	
USB-C docking	✓
LAN/RJ-45	✓
Integrated sensor for self-calibration	✓
Preset color/greyscale modes	1x manual memory location, Text, Patho, additional memory spaces through calibration
Brightness drift correction	✓
Hardware calibration of brightness and light density characteristic curve	✓
Digital Uniformity Equalizer (homogeneity correction)	✓
Blur reduction	✓
Sensors	Ambient Light Sensor, Integrated luminance sensor, Backlight Sensor
Automatic signal input recognition	✓
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	Color Mode, Pathology tonal value, Brightness, Contrast, Color temperature/White point, Gamma, Color saturation, Picture-in-Picture, Skip color mode, Power Indicator, Monitor reset, OSD language, Signal input, Key lock, Blur reduction
Integrated power unit	✓
ELECTRICAL DATA	
Frequency	USB Type-C: 31 - 134 kHz / 59 - 61 Hz; DisplayPort: 31 - 134 kHz / 59 - 61 Hz; HDMI: 31 - 136 kHz / 59 - 61 Hz
Power consumption (typical) [in watts]	74
Maximum Power Consumption [in watts]	260 (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]	0.5
Power consumption with power switch off [in watts]	0
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]	721 x 469,5-569,5 x 225,1
Weight (incl. stand) [in kg]	12,4
Dimensions (without stand) (width x height x depth) [in mm]	721 x 401 x 73
Weight (without stand) [in kg]	8,2
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand [in °]	70
Tiltability forwards/backwards [in °]	5 / 30
Height adjustment range [in mm]	100
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certification	CE (IVDR), FDA 510(k) Clearance for Digital Pathology, IEC60601-1, CB, RCM, cTUVus, FCC-B, CAN ICES-3 (B), VCCI-B, RoHS, WEEE, China RoHS, CCC, IEC/EN61010-1, IEC/EN61326-2-6
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SOFTWARE & ACCESSORIES

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	MED-XN64 (MED-XN64, maximised performance in the high-end sector.), RadiCS (UX2-Kit) (The EIZO software is capable of complete quality management – from calibration through asset management to acceptance and constancy testing.)
Recommended graphics card	MED-XN64

WARRANTY

Warranty periode	5 years
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