

[→ Product Website](#)

## 8-megapixel monitor with USB-C docking

The model RadiForce MX317W convinces with a large image diagonal (30.5") and 8 megapixels (4096 x 2160 pixels) resolution. It is equally suitable for the diagnosis of radiological sectional images and projection radiographic images - with the exception of mammography. In addition to the precise display of greyscale and colour images, the MX317W offers numerous docking functions through its USB-C signal interface - making it particularly interesting for teleradiology. The USB-C connectivity enables both the image signal and data to be transmitted and a connected device to be supplied with up to 94 W of power with just a single cable. An additional power supply for notebooks or MacBook Pro is therefore usually no longer necessary. In addition, the monitor is equipped with a LAN connection for a stable network connection. This means that even mobile devices that lack their own RJ45 LAN connection can be connected to the wired network without additional adapters. EIZO pays attention to sustainability in material selection, production and transport. The housing parts of the MX317W consist of more than 70 % recycled plastic. This reduces the amount of plastic waste, conserves resources and promotes the reuse of materials.

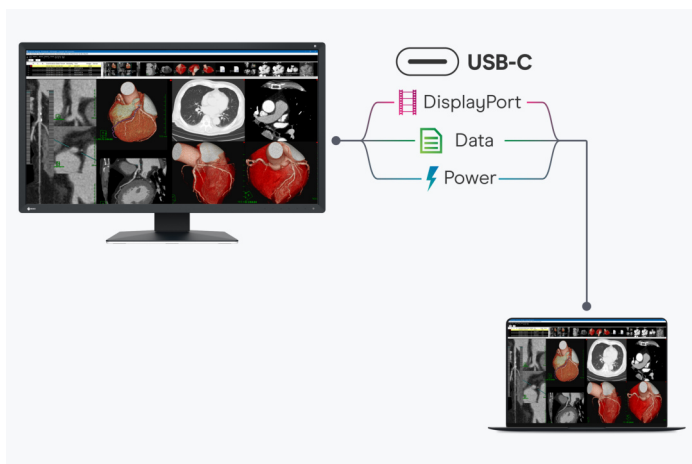
- ✓ 8 MP colour screen with reliably high and permanently stable brightness
- ✓ Docking function via USB-C with DisplayPort signal, LAN and power supply up to 94 watts
- ✓ Clear recognition of structures through high contrast and blur reduction
- ✓ Hybrid Gamma PXL function for pixel-precise display of greyscale and colour images with the required luminance characteristic curve
- ✓ Grey tone reproduction with DICOM-GSDF tone curve and image reproduction mode for pathological images
- ✓ Integrated sensor for automatic and exact calibration of white point and tonal value characteristics
- ✓ Automatic control of luminance distribution (Digital Uniformity Equalizer)
- ✓ Prepared for acceptance and constancy testing in accordance with DIN 6868-157 and QS-RL
- ✓ Demonstrably environmentally and socially responsible production
- ✓ 5-year warranty for highest investment security

## Variety of ports Best connectivity

### Streamlined connection with USB-C

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 MX317W 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.



### 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 MX317W.](#)



### 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 cable to be connected to the MX317W 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. This transparency grants authenticated PCs network access through the monitor.



## 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.

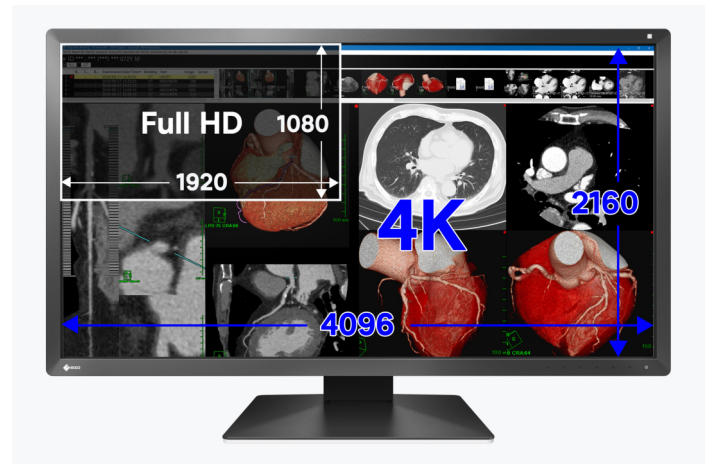


## Image quality

### Precise, high-contrast, bright and crisp screen

#### 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/m<sup>2</sup>, 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.



### Observe monochrome and color images on a single monitor

The hybrid gamma PXL functionality automatically differentiates between monochrome and colour images, pixel by pixel. This creates a hybrid display on which each pixel is displayed with the ideal tone value. In this way, a high level of precision and reliability is achieved.

The MX317W displays sophisticated monochrome images just as reliably as color images from various modalities. In practice, this means a significant increase in efficiency, as images from different imaging procedures can be displayed on just one monitor.





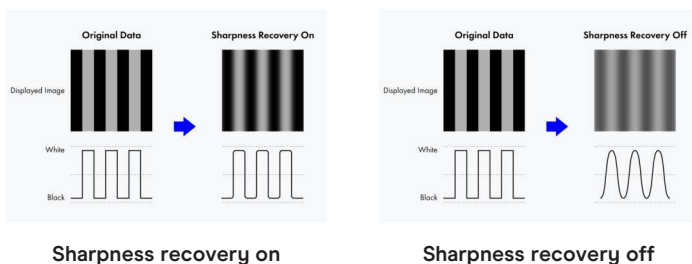
## Preset mode for digital pathology

The MX317W has an image display mode for pathological images. This offers customised settings for displaying microscopic cell and tissue structures on the monitor in high detail. When using EIZO monitors for pathology, it is recommended to evaluate the entire system including the scanner.



## 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.



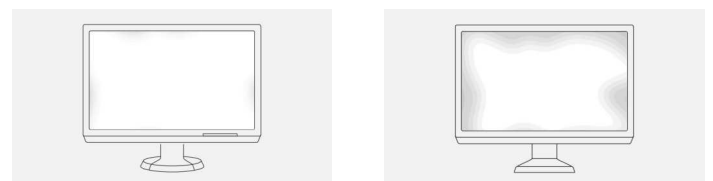
## Consistent image quality thanks to integrated luminance sensor

The precise calibration of white point and tone value characteristic curve is provided by an integrated luminance sensor. This measures the brightness and grayscales and calibrates the monitor autonomously according to the DICOM® standard. The sensor works automatically, without restricting the field of vision of the monitor. You can save the costs, time, and effort of maintenance and rely on a consistently balanced image quality.



## 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 radiological and other medical images are correctly rendered over the entire display. This is essential for precise image reproduction.

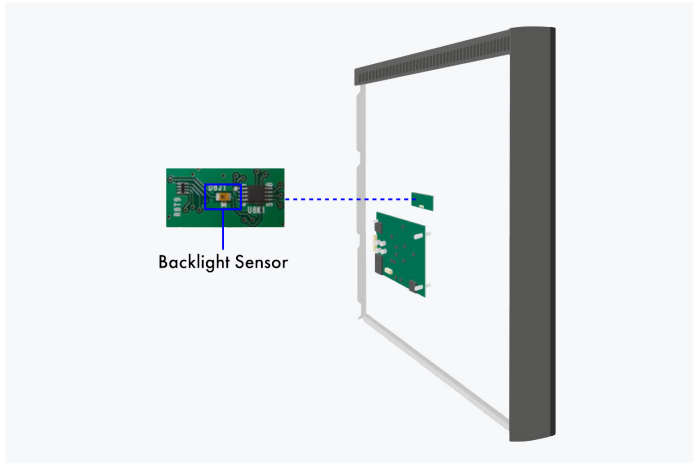


With DUE

Without DUE

## 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.

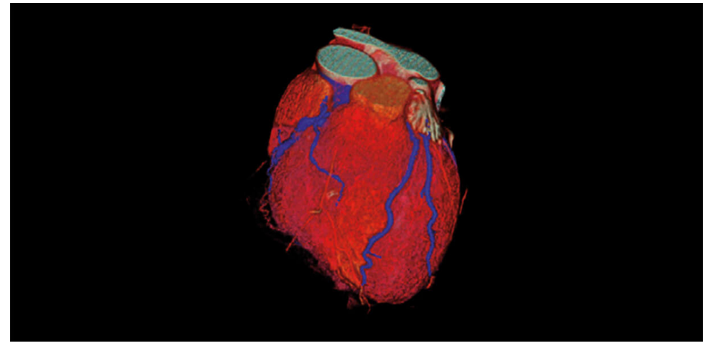


Back of the monitor

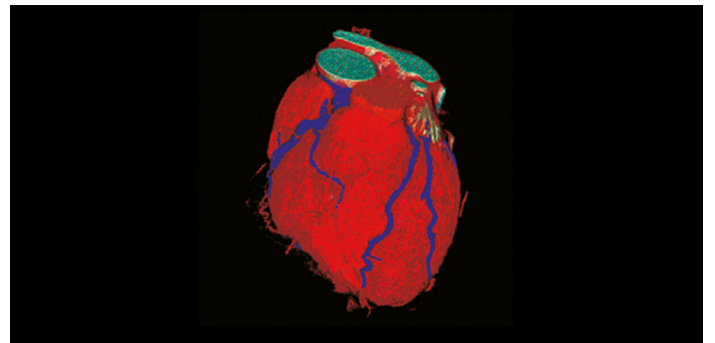
## One billion color tones thanks to 13 bit LUT

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



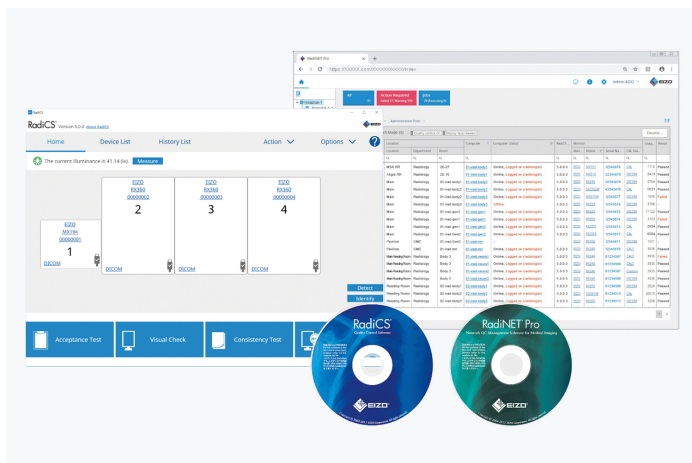
Without 13 bit LUT

## Software and ease of use Features for greater comfort

### Consistently secure image quality

The optional EIZO RadiCS software to secure image quality enables extensive maintenance and testing of monitors and includes calibration, acceptance and constancy testing, and the archiving of all areas. If you are working on multiple stations, the use of the RadiNET Pro is recommended. This can be used to centrally control the calibration of all monitors, including data history. This saves you a significant amount of time and ensures consistently high image quality across the entire setup. The basic version RadiCS LE - without acceptance and constancy testing - is already included with the RadiForce monitors.

- [Learn more about RadiCS LE software \(included in the delivery\)](#)
- [Learn more about RadiCS software \(optionally available\)](#)
- [Learn more about RadiNet Pro software \(optionally available\)](#)



### The Work-and-Flow technology

With the increasing digitisation of modalities, radiologists are confronted with a growing amount of information on their screens. EIZO's unique work-and-flow technology, with new features designed to meet the needs of radiologists, effectively counters the complexity of data. The RadiForce MX317W and RadiCS-LE software solution enable you to benefit from the Work-and-Flow functions.

[More information about the Work-and-Flow functions](#)

### 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.

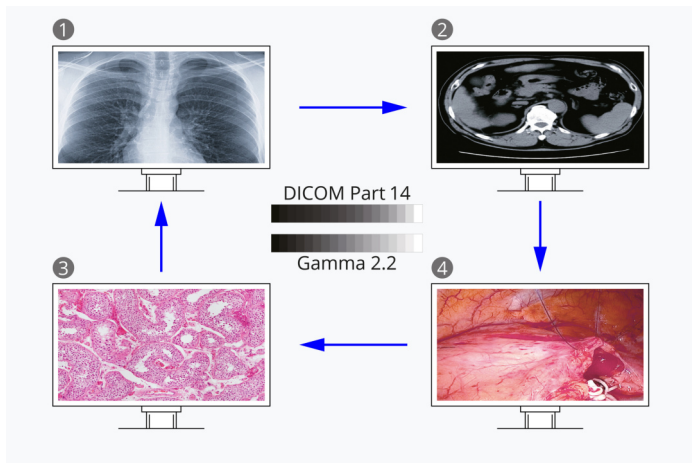
### Switch-and-Go: just one keyboard and mouse for two systems

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

### Select the optimal display mode for different modalities

The Manual Mode Switch function provides different modes for image reproduction of images from different modalities such as CR, CT, endoscopy and for pathology. With the supplied RadiCS LE software, the modes can be preset so that the screen automatically switches to the optimal image viewing condition.



1. CR mode; 2. CT mode; 3. Pathology mode; 4. Endoscopy mode

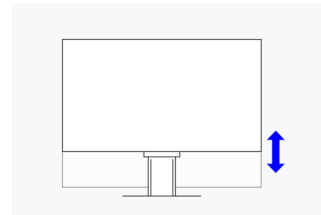
### Elegant design

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

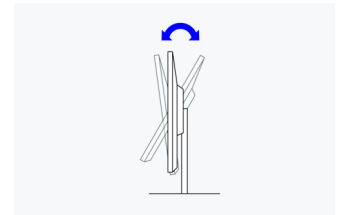


### Ergonomic stand

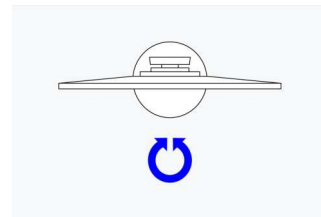
Ergonomic and stable: the adjustable stand focuses on ergonomics. You can swivel and tilt the monitor stand until you find the most comfortable setting for your back, neck and sitting posture. It features continuous height adjustment and can be lowered almost to the base plate of the stand, enabling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

### RadiLight: Eye-friendly comfort light

EIZO offers a brand-new, easy-to-operate comfort light for radiologists who work in dark diagnosis rooms. The soft illuminance in the background of the screen reduces the strain on the eyes that frequently occurs due to constant light-dark changes between bright screens and objects in a dark environment.





## Sustainability

### Environmentally and socially conscious production

#### Sustainable and durable

The MX317W is designed to have a long service life and normally outlasts the warranty period by some distance. Replacement parts are available many years after production has ceased. The entire lifecycle takes into account the impact on the environment as the longevity of the product and the fact it can be repaired saves resources and protects the environment. When designing the MX317W, we took a minimalistic approach to our resources by using high-quality components and materials, as well as a careful production process.

#### Environmentally conscious use of materials

The MX317W 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.



#### Cushioning environmental impact

For the packaging of the MX317W, 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.



Left: conventional packaging / Right: environmentally friendly materials

#### Socially responsible production

The MX317W 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.

#### Environmentally and climate friendly

Each MX317W is manufactured in our own factory, which implements an environmental and energy management system in accordance with ISO 14001 und ISO 50001. This includes measures to reduce waste, wastewater and emissions, resource and energy consumption, as well as to encourage environmentally conscious behavior among employees. We publicly report on these measures on an annual basis.





## **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.



## **Graphics board recommendation**

### **For precise diagnostics**

#### **EIZO Graphics card MED-XN63**

The EIZO graphics card supports the properties, functions, and settings of the RadiForce MX317W 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.	MX317W
Case color	Bicolor, black and white
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Computed tomography/MR imagine, Pathology, (when using EIZO monitors for pathology, it is recommended to evaluate the entire system including the scanner), Non-destructive-testing
EAN	4995047064800

### 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
Panel technology	IPS
Max. viewing angle horizontal	178
Max. viewing angle vertical	178
Number of colors or greyscale	1.07 billion colors (DisplayPort, 10 Bit), 16.7 million colors (DisplayPort, 8 Bit), 16.7 million colors (HDMI, 8 Bit)
Color palette/look-up table	543 billion colour tones / 13 bit
Max. brightness (typical) [in cd/m <sup>2</sup> ]	550
Factory calibrated brightness [in cd/m <sup>2</sup> ]	270
Max. dark room contrast (typical)	1800:1
Response time black/white/black change (typical)	25
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	DisplayPort, HDMI (RGB, YUV)

### FEATURES & OPERATION

USB-C docking	✓
LAN/RJ-45	✓
KVM switch	✓
Preset color/greyscale modes	2x manual memory locations, Text, sRGB, DICOM, Patho
DICOM tone curve	✓
Hardware calibration of brightness and light density characteristic curve	✓
Digital Uniformity Equalizer (homogeneity correction)	✓
Hybrid Gamma PXL	✓
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	Pathology tonal value, Brightness, Contrast, Color temperature/White point, Gamma, Color saturation, Resolution, Skip signal input, 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]	62
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

### 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)	<a href="#">Dimension drawing (PDF)</a>
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

<b>Certification</b>	CE (Medical Device), UKCA (Medical Device), ANSI /AAMI ES60601-1, CSA C22.2 Nr. 601-1, EN60601-1, IEC60601-1, CB, RCM, FCC-B, CAN ICES-3 (B), VCCI-B, RoHS, WEEE, China RoHS, CCC
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## SOFTWARE & ACCESSORIES

<b>Accompanying software and other accessories are available for download</b>	RadiCS LE
<b>Other box contents</b>	2x Signal cable DisplayPort - DisplayPort, 2x USB cable (Type A - Type B), Signal cable HDMI - HDMI, USB/ signal cable (USB-C - USB-C), Manual via download, Power cord, Quick guide
<b>Accessories</b>	RadiCS (UX2-Kit) (The EIZO software is capable of complete quality management – from calibration through asset management to acceptance and constancy testing.), RadiLight (Comfort Light for Reading Rooms), UX2-Sensor (Calibration sensor for medical monitors), RadiNET Pro (EIZO software for network-based quality management in large facilities – with remote functionality for monitors)
<b>Recommended graphics card</b>	MED-XN63

## WARRANTY

<b>Warranty periode</b>	5 years
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