

RX370

Your advantages



The 3 megapixel resolution and high brightness of the RadiForce RX370 are perfect for the precise display of radiology images. Greyscale images, especially of thorax and fine structures, as well as colour images from 3D reconstructions and the combination of different imaging techniques, benefit from the high image quality. If desired, the RX370's Hybrid Gamma PXL function automatically selects the luminance characteristics that matches the image. For example, monochrome X-ray images are displayed with DICOM® greyscale characteristics, while the luminance of other images follows a gamma function. The work-and-flow features of the RX370 include the instant backlight booster. This feature temporarily adjusts the brightness of the monitor up to approx. 1100 cd/m² in order for the radiologist to be able to recognise greyscale differentiation. The brightness automatically returns to the original setting after a short time, allowing the screen to be used under typical diagnostic conditions. The RX370's design and technology offer both ergonomic comfort and unparalleled image precision for use in modern radiology. Even the packaging materials used for the RX370 is exemplary. Instead of polystyrene which previous models have used, a padding made of moulded pulp cellulose is within each RX370 box. This is made from recycled cardboard and paper, all helping to reduce EIZO's ecological footprint.

- ✓ Compact and comfortable 3-megapixel colour screen for radiology reporting
- ✓ Clear recognition of structures through high contrast and blur reduction
- ✓ Palette with 543 billion shades for precise colour reproduction with up to 10 bit
- ✓ Hybrid Gamma PXL function for pixel-precise display of greyscale and colour images with the appropriate gamma curve characteristics
- ✓ Uniform homogeneous display surface due to automatic control of luminance distribution (DUE)
- ✓ Prepared for calibration, acceptance and constancy testing according to local standards such as IPEM / AAPM Primary, DIN 6868-157 and QS-RL
- ✓ Effortless quality assurance and built-in calibration sensor
- ✓ Light sensor for measuring the ambient light within the reporting location
- ✓ Ergonomic design with fresh, clean aesthetics
- ✓ Compact dimensions and narrow housing frames

Features

Excellent image quality for the finest details

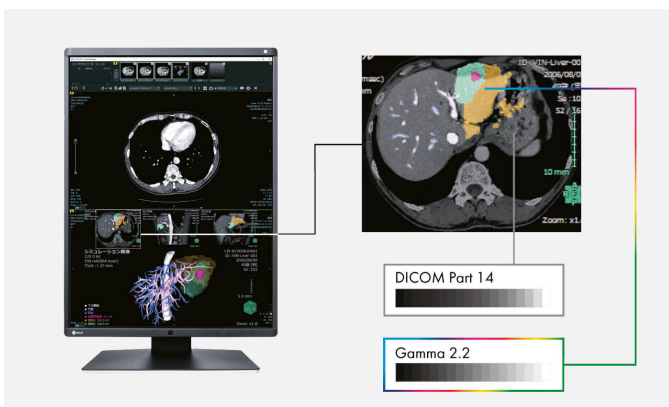
Thanks to the high 3 Megapixels (colour) resolution, a strong contrast ratio of 1800:1 and stable brightness of up to 1100 cd/m², the monitor offers excellent image quality. Even the differences between the finest details are shown – regardless of your viewing angle. This is a great advantage if multiple physicians are looking at the screen.



Observe monochrome and colour 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.

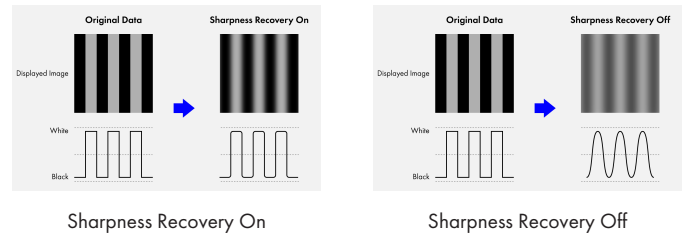
The RX370 faithfully displays complex monochrome images from mammography and tomosynthesis along with colour images from every imaginable modality. The result is a significant increase in efficiency since images produced using different imaging techniques can be viewed on a single monitor.



The hybrid gamma PXL functionality automatically differentiates between monochrome and colour images, pixel by pixel. (Exemplary illustration)

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.



Sharp, High-resolution Images

The monitor has a pixel width of 0.2115 mm and thereby reproduces even, high-resolution, sharp, and high-depth images without any kind of granularity.

Balanced image quality thanks to an integrated front sensor

The precise calibration of white point and tone value characteristic curve is provided by an integrated front sensor (IFS). 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.

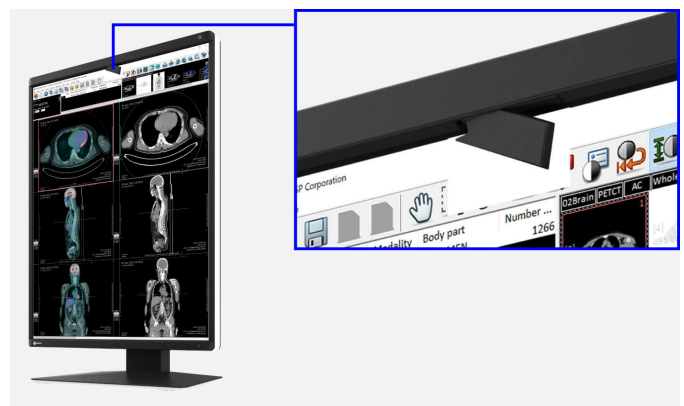
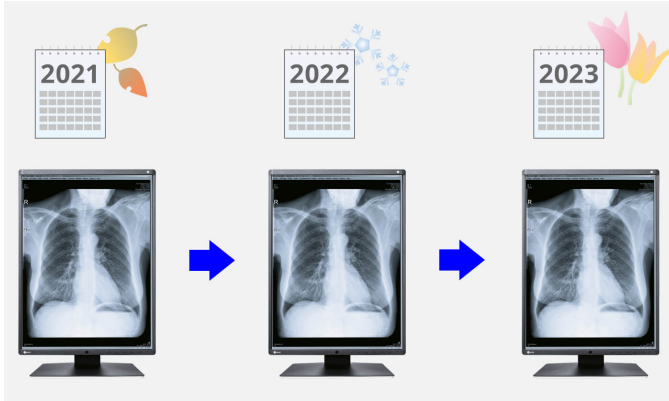


Illustration exemplary

Features

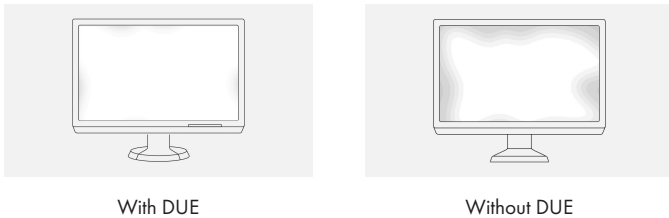
Reliable brightness

EIZO is convinced of the quality of its products. The warranty for the monitors, therefore, also covers the brightness stability.



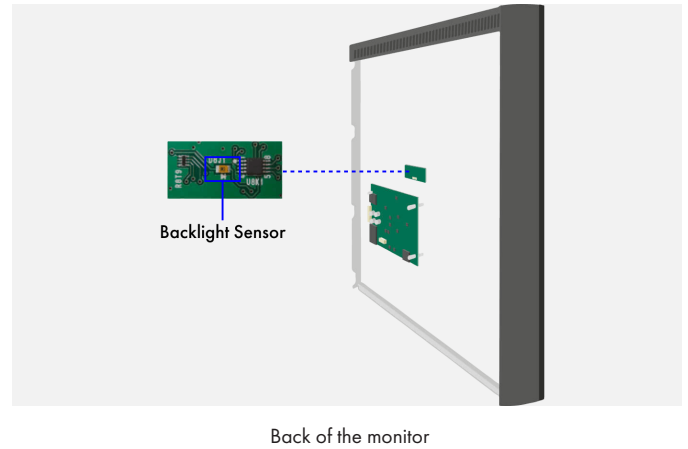
Uniform brightness over the entire screen

The monitor shines thanks to its uniform illumination. This is down to the Digital Uniformity Equalizer (DUE), which corrects imbalances automatically, pixel by pixel. Grey tones of radiological and other medical images are correctly rendered over the entire display. This is vital for diagnostics.



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.



Secure image quality thanks to AAPM/Euref/DIN compliance

The display properties, in particular brightness and contrast, are suited to the creation of image rendering systems compliant with DIN 6868-157. The DICOM® GSDf characteristic is already precisely configured in the factory. This means that greyscales are consistent, which is vital for diagnostics.

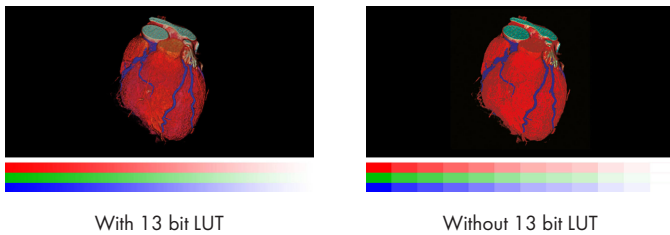
[Overview RadiCS application classes I to VIII](#)



Features

One billion colour tones thanks to 13 bit LUT

Colour rendering is controlled by a 13 bit look-up table (LUT), up to 10 bits of which are available in the DisplayPort connection. This produces a resolution with a maximum of 1 billion colour tones. The rendering characteristic and fine structures required for diagnostics can therefore be precisely identified.



Consistently secure image quality

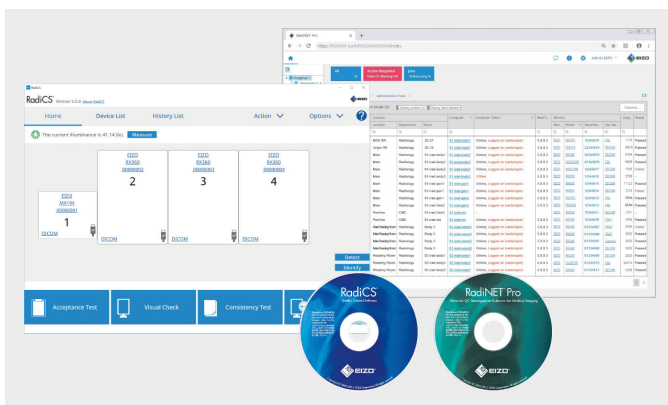
The optional EIZO RadiCS software to secure image quality enables extensive maintenance and testing of monitors and includes calibration, acceptance and constancy testing, and the archiving of all areas. If you are working on multiple stations, the use of the RadiNET Pro is recommended. This can be used 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 is already included with RadiForce monitors.

[Learn more about the RadiCS application classes](#)

[Learn more about RadiCS LE software \(included in the delivery\)](#)

[Learn more about RadiCS software \(optionally available\)](#)

[Learn more about RadiNet Pro software \(optionally available\)](#)



Evolve your image reading: 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 RX370 and RadiCS-LE software solution enable you to benefit from the Work-and-Flow functions.

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

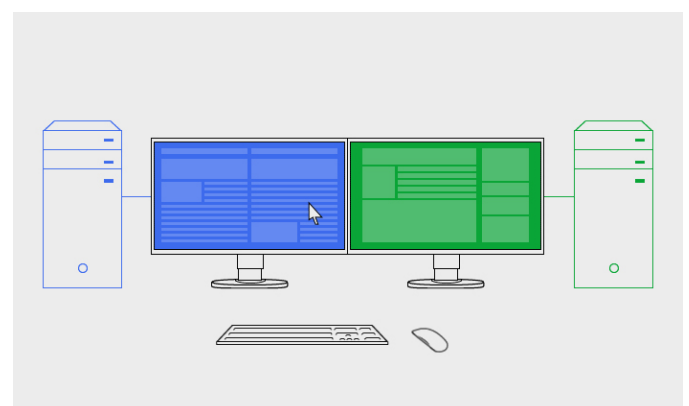
Point-and-Focus: all eyes on the analysis

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.



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.



Features

Hide-and-Seek: fast retrieval of information

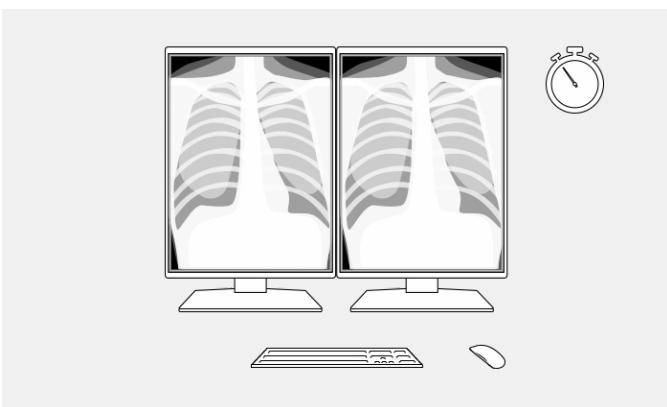
Hide-and-Seek adds the benefit of making it possible to access reports, patient files and other information on the display quickly and efficiently without needing an additional monitor. When you move your cursor towards or away from the edge of the screen, a PinP window hides and displays information.



Instant Backlight Booster: Higher brightness for better differentiability

The Instant Backlight Booster feature temporarily increases the brightness of the monitor for faster recognition of detailed medical images. With a single hotkey, users can activate the function for multiple monitors simultaneously, allowing them to easily view multiple screens under the same high brightness conditions. The brightness automatically returns to the original setting after a short time so the screen can continue to be used under typical diagnostic conditions.

DICOM® Part 14 is not supported while Instant Backlight Booster is on.



Perfectly designed for diagnostic use

Narrow black frontal bezels make this device ideal for use in dark environments. They make it easy to visually concentrate on the display. Meanwhile, a white bezel at the sides of the monitors creates a fresh, clean look.



Ergonomic stand

The monitors stand allows for both rotation and tilting as well as being operational in both portrait and landscape formats. The variable height adjustment starts at the very bottom of the desk, which guarantees optimal ergonomics, regardless of whether the user is standing or sitting in front of the screen. Despite its maximum range of movement, the stand is always completely stable.

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.

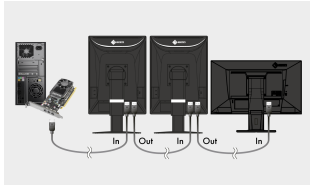
[learn more about RadiLight](#)



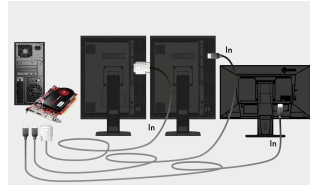
Features

Multi-monitor solutions without problems

Thanks to the signal input and output, you can link several RadiForce monitors through their DisplayPort interface. This means that you can realise multi-monitor solutions with the greatest of ease – without labourious and excessive cabling.



Daisy chain method



Conventional solution

Environmentally and socially conscious production

EIZO uses the RX370 to showcase how image and product quality go hand in hand with responsible planning, material procurement and production. This intrinsic value enables you to make a safe investment in a modern and reliable monitor.

Environmentally friendly materials

For the packaging of the RX370, 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.

In addition, we use phthalate-free cables and harnesses.



Transport padding polystyrene / moulded pulp cellulose

Socially responsible production

The RX370 is produced in a socially responsible way. It is free of child labour and forced labour. Suppliers along the supply chain have been carefully selected and they have also committed themselves to produce in a socially responsible way. This applies in particular to conflict minerals. We present a detailed report about our social responsibility annually and voluntarily.

[Learn more about responsible corporate behaviour at EIZO here.](#)



Sustainable and durable

The RX370 is designed for a long service life that takes into account the entire lifecycle and impact on the environment. It is generally well above the five-year guarantee. Spare parts are available up to seven years after the end of production. The monitor's long service life and the ability to repair it save resources and the climate. When designing the RX370 we paid attention to reducing resource consumption by using high-quality components and materials and being meticulous in production.



Features

Environmentally and climate friendly

Each RX370 is manufactured in our own factory, which implements an environmental management system in accordance with ISO 14001. This includes measures to reduce waste, wastewater and emissions, resource and energy consumption, as well as to encourage environmentally conscious behaviour among employees. We publicly report on these measures on an annual basis as a main component of our CSR report.



For precise diagnoses: MED-XN72 graphics card

The MED-XN72 graphics card from EIZO optimally supports the features, functions and settings of the RadiForce RX370. It enables precise diagnoses and can control several monitors simultaneously. EIZO offers technical support and warranty service for the graphics card.



Five-year warranty

EIZO grants a five-year warranty. This is possible thanks to the highly developed production process based on a simple principle of success: sophisticated and innovative monitor technology, made from high-end materials.

Specification

General

Item no.	RX370
Case color	Bicolor, black and white
Areas of application	Medicine
Product line	RadiForce
EAN	4995047057994

Display

Screen size [in inches]	21.3
Screen size [in cm]	54.1
Format	3:4
Viewable image size (width x height)	324.9 x 433.2
Resolution in MP	3 Megapixels (colour)
Ideal and recommended resolution	1536 x 2048
Pixel pitch [mm]	0.2115 x 0.2115
Panel technology	IPS
Max. viewing angle horizontal	178 °
Max. viewing angle vertical	178 °
Number of colours or greyscale	1.07 billion colours (DisplayPort, 10 Bit), 16.7 million colours (DisplayPort, 8 Bit)
Colour palette/look-up table	543 billion colour tones / 1.3 Bit
Max. brightness (typical) [in cd/m ²]	1100
Recommended brightness [in cd/m ²]	500
Recommended brightness warranty	500
Max. dark room contrast (typical)	1800:1
Response time black-white-black alternation (typical) [in ms]	25
Backlight	LED

Features & control

Preset colour/greyscale modes	DICOM, CAL1, CAL2, Custom, sRGB, Text
DICOM tone curve	✓
RadiCS application classes	II, III, IV, V, VI, VII, VIII
Hardware calibration of brightness and light density characteristic curve	✓
Digital Uniformity Equalizer (homogeneity correction)	✓
Blur reduction	✓
Sensors	Backlight Sensor, Ambient Light Sensor, Integrated Front Sensor
OSD language	de, en, fr, es, it, se, ja, zh
Adjustment options	Brightness, Gamma, Colour saturation, Resolution, DICOM tonal value, Blur reduction, OSD language, Interpolation
Button Guide	✓
Integrated power unit	✓

Ports

Signal inputs	2x DisplayPort, 1x DVI-D (dual link)
Signal outputs/Daisy chain compatibility	1x DisplayPort 1.2
USB specification	USB 2.0
USB upstream ports	2 x type B
USB downstream ports	2 x type A, 1 x type C charging socket (Power Delivery 15 W max.)
Video signal	DisplayPort, DVI (TMDS)

Electric data

Frequency	Digital: 31-127 kHz/29-61.5 Hz; Picture-synchronous mode: 29.5-30.5 Hz/59-61 Hz
Power consumption (typical) [in watt]	36
Maximum Power Consumption [in watt]	105
Power Save Mode [in watt]	1
Power consumption off [in watt]	0
Power supply	AC 100-240V, 50/60Hz

Dimensions & weights

Dimensions [mm]	341,3 x 481,5-571,5 x 200
Weight [in kilograms]	8
Weight without stand [in kilograms]	5.2
Housing dimension details	Dimension drawing (PDF)
Swivel	70 °
Incline forward/backward	5 ° / 30 °
Pivot	✓
Height adjustment range [mm]	90
Hole spacing	VESA standard 100 x 100 mm

Certification & standards

Certification	CE (Medical Device), EN 60601-1, ANSI/AAMI ES60601-1, CSA C22.2 Nr. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3 (B), RCM, RoHS, China RoHS, WEEE, CCC, EAC
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Software & accessories

Accompanying software and other accessories are available for download	RadiCS LE
Additional supply	Power cord, 2x signal cable DisplayPort - DisplayPort, 2x USB 2.0 cable, EIZO LCD Utility Disk (incl. PDF manual)
Accessories	RadiCS (The RadiCS software provides extensive validations and automatic adjustment to ensure constant and consistent image reproduction on all RadiForce screens.), RadiNET Pro (EIZO software for network-based quality management in large facilities – with remote functionality for monitors), RadiLight (Comfort Light for Reading Rooms - Easily attachable light for RadiForce medical LCD monitors.), MED-XN72 (MED-XN72, maximised performance in the high-end sector)
Recommended graphics card	MED-XN72

Warranty

Warranty and service	5 years warranty*
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Terms

*) The length of the warranty for the product is five years from the date of purchase. In addition, the warranty includes the normal wear and tear of the backlight if it is operated at a recommended brightness of 500 cd/sq m and a white point of 7,500 K. EIZO guarantees this brightness for a term of 5 years from the date of purchase or for 20,000 operating hours, depending on which happens sooner. When operated at a maximum brightness of 400 cd/sq m, the number of operating hours increases to 30,000.