

[→ Product Website](#)

6-megapixel medical monitor

Thanks to its 6 megapixels, the RadiForce RX660 provides plenty of space to simultaneously display multiple radiological images and is more convenient to use than a dual-screen solution with 3-megapixel monitors. The size and resolution of the monitor allows users to more flexibly organize images as they choose. The RX660 makes that possible without the annoying bezel that is unavoidable in dual-screen configurations. This singlemonitor solution also takes up less space than two monitors. Narrow black frontal bezels make the RX660 ideal for use in dark environments. They make it easy to visually concentrate on the display. Meanwhile, a white bezel at the side of the monitor creates a fresh, clean look. The front sensor (IFS) integrated into the bezel is used for precise calibration and automatic luminance monitoring.

- ✓ 6-megapixel colour display with consistently higher and more stable brightness
- ✓ Clearly defined images thanks to Sharpness Recovery technology
- ✓ Automatic luminance distribution control (Digital Uniformity Equalizer)
- ✓ Set up for calibration, acceptance, and consistency testing in accordance with DIN 6868-157 and QS-RL
- ✓ Effortless quality control and built-in calibration sensor
- ✓ Light sensor to measure ambient light at the diagnostic station
- ✓ Presence sensor means monitor is ready for immediate use whenever the user is in front of it
- ✓ Ergonomic design with fresh, clean look
- ✓ Compact dimensions, narrow bezels, and integrated power supply
- ✓ 5-year warranty for highest investment security

Image quality

Precise, high-contrast, bright and crisp screen

Excellent image quality for the finest details

Thanks to the high 6 Megapixels (colour) resolution, a strong contrast ratio of 1500:1 and stable brightness of up to 1000 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.

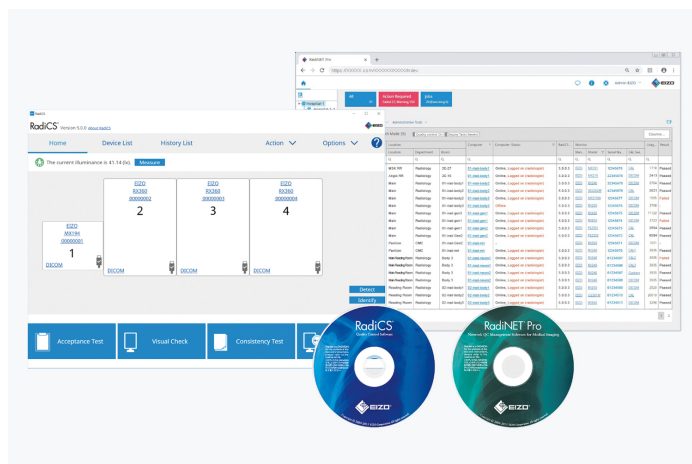


Consistently secure image quality

The optional EIZO RadiCS software to secure image quality enables extensive maintenance and testing of moni-

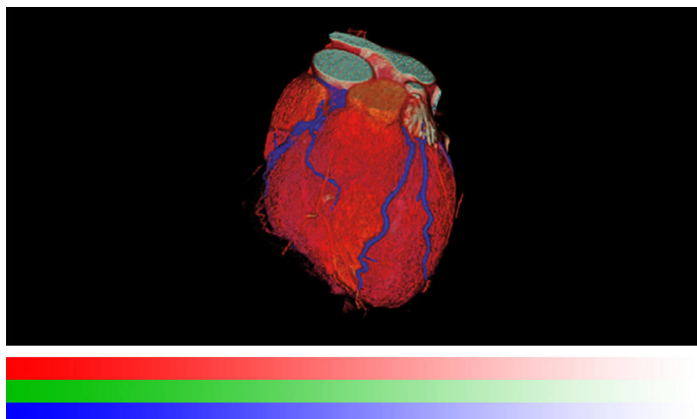
tors and includes calibration, acceptance and constancy testing, and the archiving of all areas. If you are working on multiple stations, the use of the RadiNET Pro is recommended. This can be used to centrally control the calibration of all monitors, including data history. This saves you a significant 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 \(optionally available\)](#)

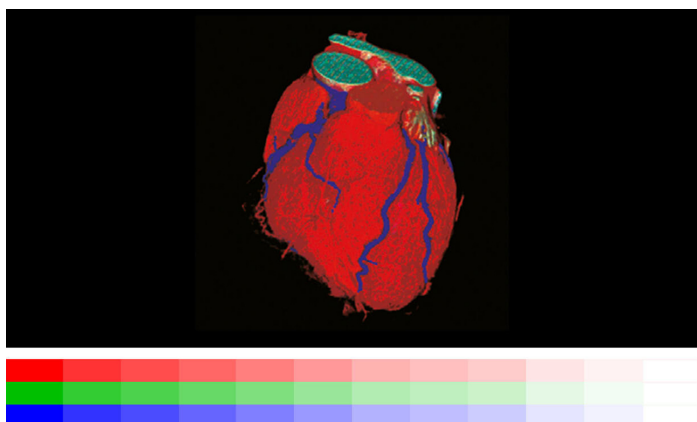


One billion color tones thanks to 13 bit LUT

Color rendering is controlled by a 13 bit look-up table (LUT), up to 10 bits of which are available in the Display-Port connection. This produces 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

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.



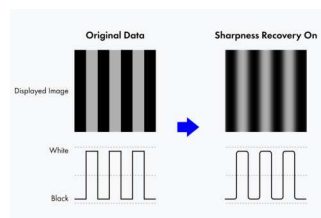
Illustration exemplary

FDA clearance

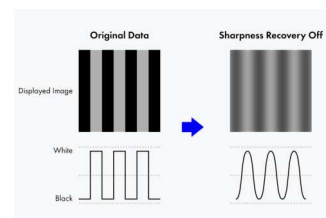
The RX660 holds the FDA-510(k)- clearance for general radiography, but it does not support display of mammography images for diagnosis.

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.



Sharpness recovery on



Sharpness recovery off

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.



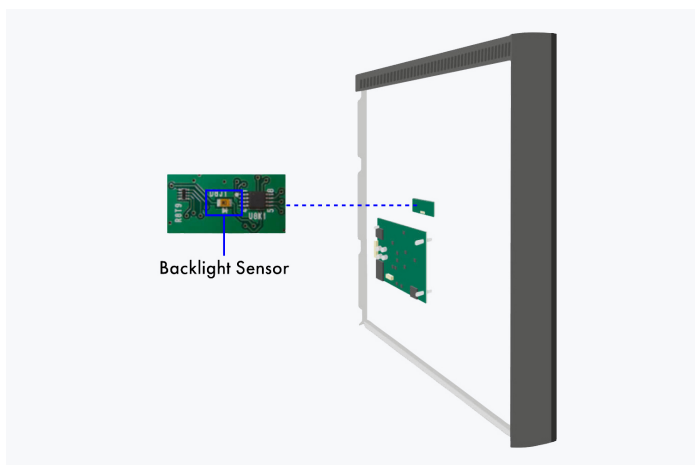
With DUE



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.

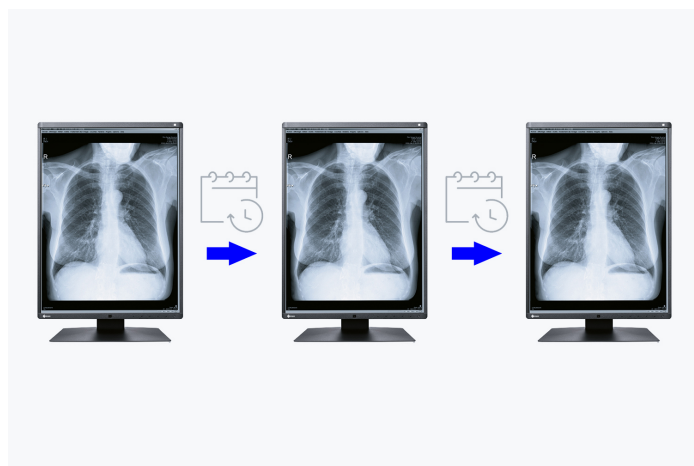


Backlight Sensor

Back of the monitor

Reliable brightness

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



Improved comfort Efficiency in diagnostics

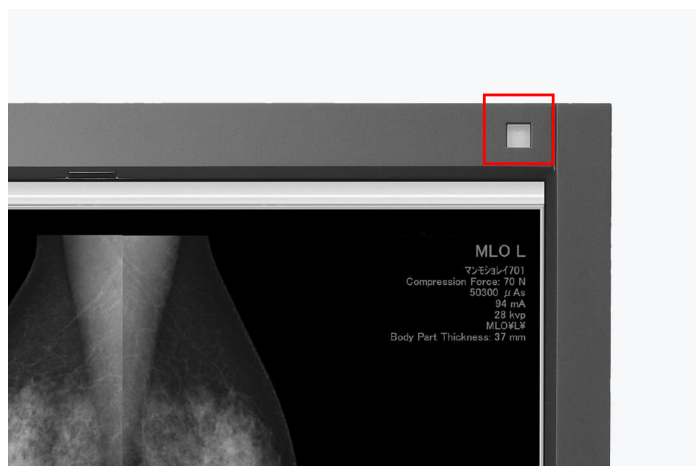
Perfectly designed for diagnostic use

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.



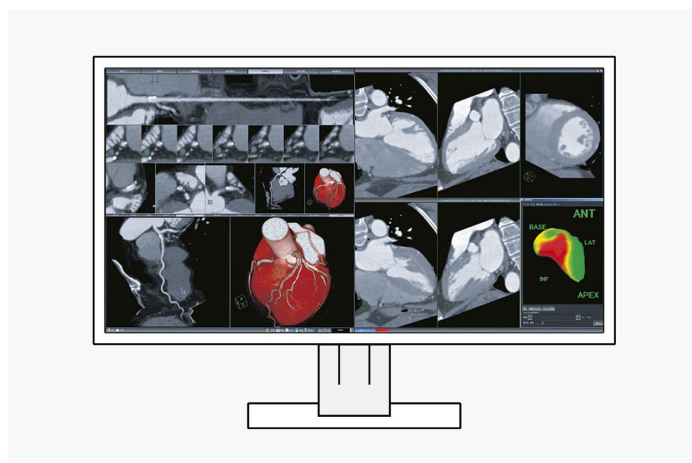
Ambient light sensor supports the constancy test

The sensor integrated in the monitor is used to measure the ambient light and can be used for constancy tests. The prevalent illumination can be determined by the ambient light sensor with the optional RadiCS software.



Optimized workflows

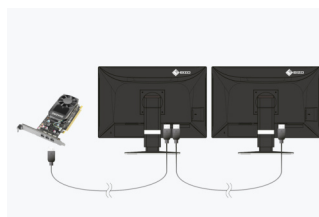
The multi-modality RX660 monitor can display 6 Megapixels (colour) of image data, without the annoying frame, which is unavoidable in setups with multiple monitors. This multi-modality solution provides plenty of space to display all of the imaging applications required and thereby improves the workflows in radiology, as well as increasing the overall work efficiency.



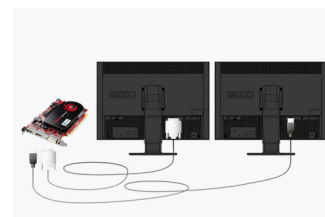
DAISY CHAIN METHOD

Efficient multi-display solution

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

SAVE ELECTRICITY WHEN YOU ARE NOT IN FRONT OF THE MONITOR**Presence sensor**

Thanks to the presence sensor, you can save electricity and help protect the environment. The sensor registers whether someone is sitting in front of the screen or not. As soon as the person leaves the workstation, the monitor turns off automatically. When the person comes back, it turns back on – fully automatically, without touching the mouse or keyboard. It is always ready for use without a waiting period.

Extended durations of use thanks to automatic shut down

The monitor has an automatic shut down option for the backlight (backlight saver). This extends the duration of use. Similar to a screen saver, the LEDs turn off when the screen is not being used.

The backlight saver is part of the [RadiCS software](#).

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.



Software and ease of use

Features for greater comfort

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 RX660 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.

Picture-by-picture: everything at a glance

The Picture-by-Picture mode allows you to display different signal sources on one screen. You can select which signal is to be displayed on the right or left half of the screen.

Use the Picture-by-Picture mode, for example, if you want to connect two computers to one monitor, or if you want to replace two individual screens connected to one computer.



Sustainability

Environmentally and socially conscious production

Socially responsible production

The RX660 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 RX660 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.



Sustainable and durable

The RX660 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 RX660, we took a minimalistic approach to our resources by using high-quality components and materials, as well as a careful production process.



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 RX660 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.	RX660
Case color	Bicolor, black and white
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Projection radiography, Pathology, (when using EIZO monitors for pathology, it is recommended to evaluate the entire system including the scanner)
SCREEN	
Screen size [in inches]	30
Screen size [in cm]	76
Format	16:10
Viewable image size (width x height) [in mm]	645,5 x 403
Resolution in MP	6 Megapixels (colour)
Ideal and recommended resolution	3280 x 2048
Pixel pitch [in mm]	0,2 x 0,2
Supported resolutions	3280 x 2048
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 (DVI, 8 Bit), 16.7 million colors (DisplayPort, 8 Bit)
Color palette/look-up table	543 billion colour tones / 13 bit
Max. brightness (typical) [in cd/m ²]	1000
Recommended brightness [in cd/m ²]	500
Max. dark room contrast (typical)	1500:1
Backlight	LED
FEATURES & OPERATION	
Preset color/greyscale modes	2x manual memory locations, Text, sRGB, DICOM
DICOM tone curve	✓
Hardware calibration of brightness and light density characteristic curve	✓
Sensors	Ambient Light Sensor, Presence sensor
Imagen por imagen	✓
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	DICOM tonal value, Brightness, Gamma, Colour tone, Color saturation, Resolution, Scaling, OSD language
Button Guide	✓
Integrated power unit	✓
CERTIFICATION & STANDARDS	
Certification	CE (Medical Device), ANSI/AAMI ES60601-1, CSA C22.2 Nr. 601-1, EN60601-1, IEC60601-1, RCM, FCC-B, CAN ICES-3 (B), VCCI-B, RoHS, WEEE, China RoHS, CCC, EAC
CONNECTIONS	
Signal inputs	2x DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4)
Signal outputs	1x DisplayPort (HDCP 1.2)
Daisy-chain capable	✓
USB specification	USB 2
USB upstream ports	2 x type B
USB downstream ports	3 x type A
Graphic signal	DVI Single Link (TMDS), DisplayPort
ELECTRICAL DATA	
Frequency	Digital: 31-127 kHz/22-61 Hz; Sync Mode: 29,5-30,5 Hz/59-61 Hz
Power consumption (typical) [in watts]	93
Maximum Power Consumption [in watts]	190 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	1.6
Power consumption with power switch off [in watts]	0
Power supply	AC 100-120 V / 200-240 V, 50/60 Hz
DIMENSIONS & WEIGHT	
Dimensions (incl. stand) (width x height x depth) [in mm]	682,5 x 490,5-590,5 x 225
Weight (incl. stand) [in kg]	14.2
Weight (without stand) [in kg]	10.1
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
SOFTWARE & ACCESSORIES	
Accompanying software and other accessories are available for download	RadiCS LE
Other box contents	2x Signal cable DisplayPort - DisplayPort, 1x short signal cable DisplayPort - DisplayPort, 2x USB cable (Type A - Type B), Signal cable DVI-D - DVI-D, Manual via download, Power cord
Accessories	RadiCS (UX2-Kit), RadiLight, RadiNET Pro
Recommended graphics card	MED-XN63
WARRANTY	
Warranty periode	5 years
Included warranty	The warranty additionally covers normal wear and tear of the backlight when operated at a recommended maximum brightness of 500 cd/sqm and a white point of 7,500 K. EIZO guarantees this brightness for a period of 5 years from the date of purchase or for 20,000 hours of operation, whichever comes first. With a maximum brightness of 400 cd/sqm, the number of operating hours increases to 30,000.



RadiForce **RX660**

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