

RX660

Your advantages

5
YEARS WARRANTY

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 single-monitor 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

Features

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 side of the monitor creates a fresh, clean look.

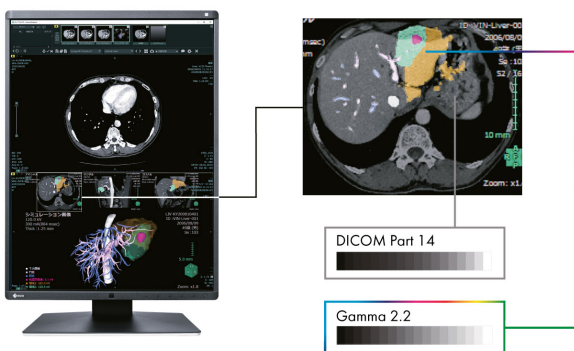


Excellent image quality for the finest details

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.

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 turn, this achieves a greater degree of precision and reliability than for conventional planar detection methods.



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

FDA clearance

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

Consistently secure image quality

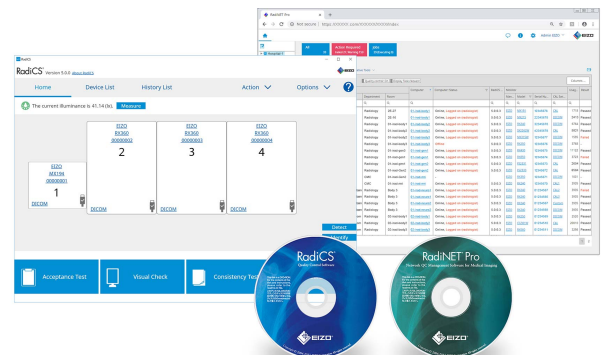
The optional EIZO RadiCS software to secure image quality enables extensive maintenance and testing of monitors and includes calibration, acceptance and constancy testing, and the archiving of all areas. If you are working on multiple stations, the use of the RadiNET Pro is recommended. This can be used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

[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 \(optionally available\)](#)



Features

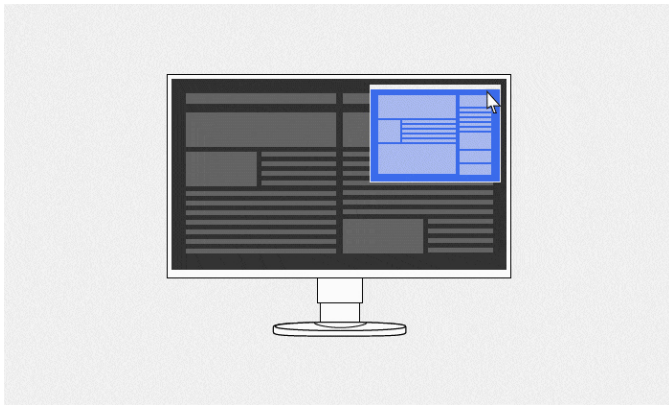
Point-and-Focus: all eyes on the analysis

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

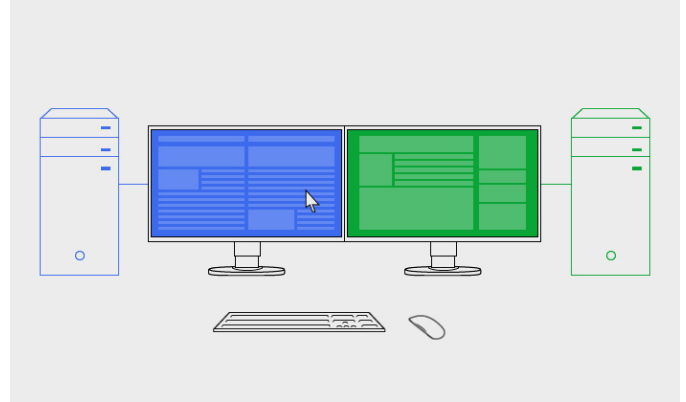
Hide-and-Seek adds the benefit of making it possible to access reports, patient files and other information on the display quickly and efficiently without needing an additional monitor. When you move your cursor towards or away from the edge of the screen, a PinP window hides and displays information.



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

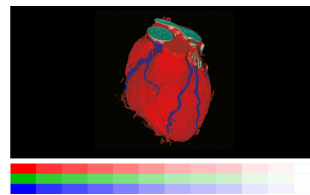
Switch-and-Go makes it possible to work using just one keyboard and mouse at diagnostic imaging stations that make use of two computers. You can switch between the two systems simply by moving your cursor from one screen to the other. This

ensures greater work efficiency and allows you to maintain a clear overview of your workstation.

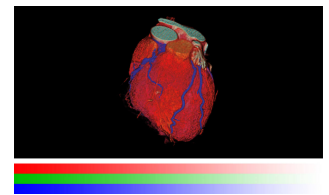


One billion colour tones thanks to 13 bit LUT

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.



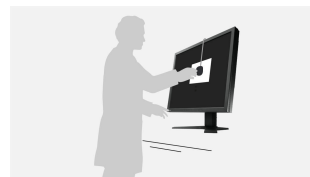
Without 13 bit LUT



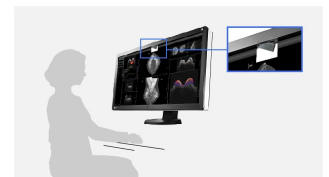
With 13 bit LUT

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 greyscales 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.



Without IFS



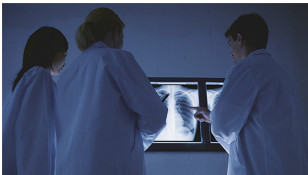
With IFS

Features

Secure image quality thanks to AAPM/Euref/DIN compliance

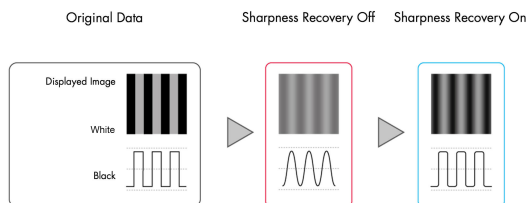
The display properties, in particular brightness and contrast, are suited to the creation of image rendering systems compliant with DIN 6868-157. The DICOM® GSDF characteristic is already precisely configured in the factory. This means that greyscales are consistent, which is vital for diagnostics.

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



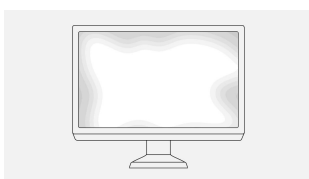
Blur reduction

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.



Uniform brightness and high colour purity

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



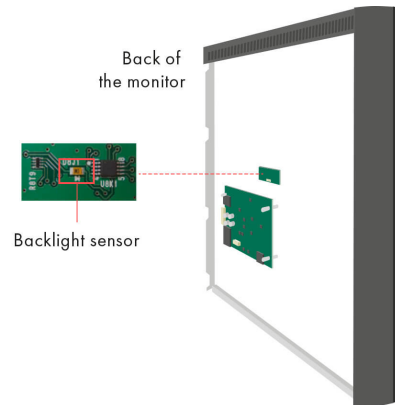
Without DUE



With DUE

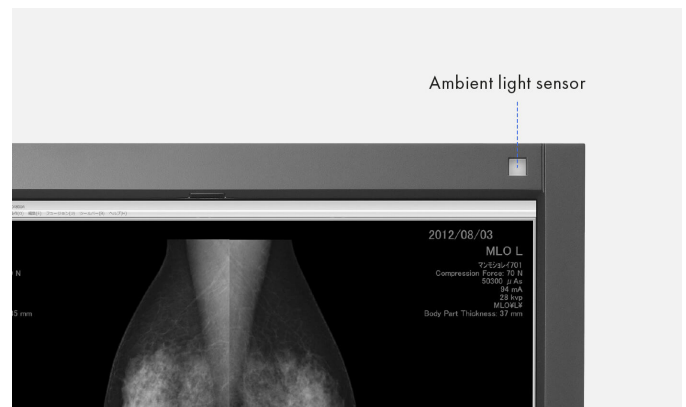
Constant brightness during operation

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.



Ambient light sensor supports the constancy test

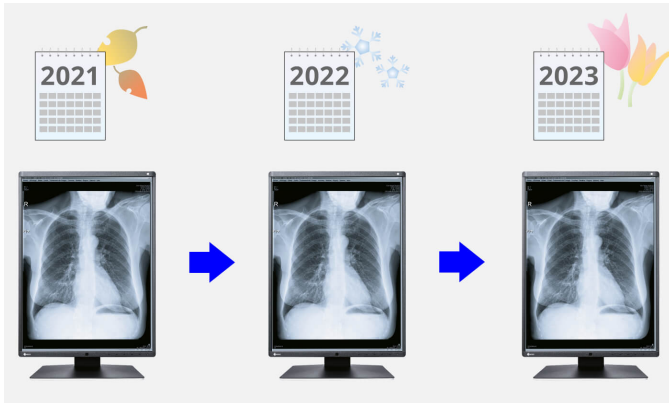
The sensor integrated in the monitor is used to measure the ambient light and can be used for constancy tests. The prevalent illumination can be determined by the ambient light sensor with the optional RadiCS software.



Features

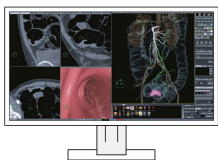
Reliable brightness

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

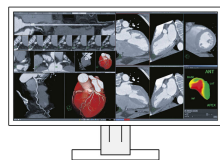


Optimised workflows

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.



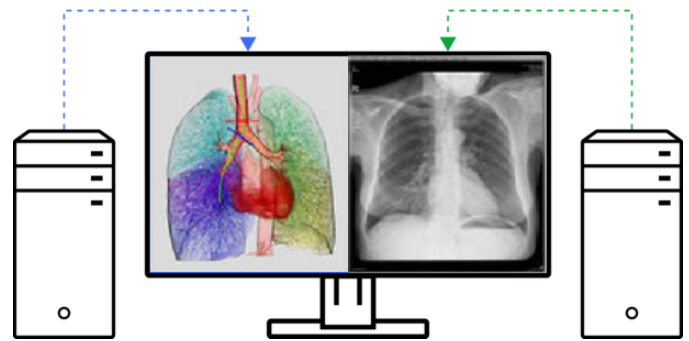
Bowel examination



Heart examination

Image comparison without the annoying frame

Thanks to the DVI-D and DisplayPort inputs, you can use the monitor as a 6 megapixel single screen or 3 megapixel dual-screen solution. This means that you can display multiple images from two computers or graphics cards on the screen simultaneously – without the annoying frame you get with two separate monitors. The images are shown side-by-side, picture-by-picture. The arrangement of the images can be freely defined.



Two-screen solution with one monitor

With the Picture-by-Picture function, two displays from separate input signals can be displayed simultaneously on a single monitor. A widescreen without annoying edges enables the simple and flexible use.

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 realize multi-monitor solutions with the greatest of ease – without laborious and excessive cabling.



One monitor, many ports

It doesn't get easier than this: You can connect most of your devices, such as PC, laptop or cameras directly to the monitor because the monitor has a number of different ports. That makes your daily work easier.

Extended durations of use thanks to automatic shut down

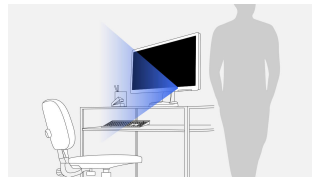
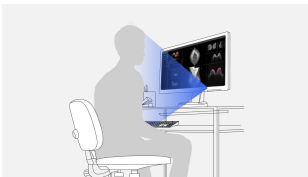
The monitor has an automatic shut down option for the backlight (backlight saver). This extends the duration of use. Similar to a screen saver, the LEDs turn off when the screen is not being used.

The backlight saver is part of the RadiCS software.

Features

Presence sensor: Save electricity when you are not in front of the monitor

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.



For precise diagnoses: EIZO MED-XN72 graphics card

The EIZO graphics card MED-XN72 optimally supports the features, functions and settings of the RadiForce RX660. It enables precise diagnosis and can control several monitors simultaneously. EIZO offers technical support and warranty service for the graphics card.

[Display the specifications of the MED-XN72](#)



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](#)



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.

* in Belgium: including on-site replacement service



Specification

General

| | |
|----------------------|--------------------------|
| Item no. | RX660 |
| Case color | Bicolor, black and white |
| Areas of application | Medicine |
| Product line | RadiForce |

Display

| | |
|---|--|
| Screen size [in inches] | 30 |
| Screen size [in cm] | 76 |
| Format | 16:10 |
| Viewable image size (width x height) | 645,5 x 403 |
| Resolution in MP | 6 Megapixels (colour) |
| Ideal and recommended resolution | 3280 x 2048 |
| Pixel pitch [mm] | 0,20 x 0,20 |
| Panel technology | IPS |
| Max. viewing angle horizontal | 176 ° |
| Max. viewing angle vertical | 176 ° |
| Number of colours or greyscale | 1,07 billion colours (DisplayPort, 10 Bit), 16.7 million colours (DisplayPort, 8 Bit), 16.7 million colours (DVI, 8 Bit) |
| Colour palette/look-up table | 543 billion colour tones / 13 Bit |
| Max. brightness (typical) [in cd/m ²] | 1000 |
| Recommended brightness warranty | 500 |
| Factory-calibrated brightness [in cd/m ²] | 400 |
| Max. dark room contrast (typical) | 1500:1 |
| Backlight | LED |

Features & control

| | |
|---|--|
| Integrated sensor for self-calibration | ✓ |
| 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) | ✓ |
| Sensors | Presence sensor, Ambient Light Sensor |
| Picture-in-Picture | ✓ |
| Picture-by-Picture | ✓ |
| OSD language | de, en, fr, es, it, se, ja, zh |
| Adjustment options | Brightness, Gamma, Colour saturation, Colour intensity, Resolution, DICOM tonal value, OSD language, Interpolation |
| Button Guide | ✓ |
| Integrated power unit | ✓ |

Ports

| | |
|--|--------------------------|
| Signal inputs | 2x DisplayPort, 1x DVI-D |
| Signal outputs/Daisy chain compatibility | 1x DisplayPort 1.2 |
| USB specification | USB 2.0 |
| USB upstream ports | 2 x type B |
| USB downstream ports | 3 x type A |
| Video signal | DisplayPort, DVI (TMDS) |

Electric data

| | |
|---------------------------------------|------------------------------------|
| Power consumption (typical) [in watt] | 93 |
| Maximum Power Consumption [in watt] | 190 |
| Power Save Mode [in watt] | 1,6 |
| Power consumption off [in watt] | 0 |
| Power supply | AC 100-120 V / 200-240 V, 50/60 Hz |

Dimensions & weights

| | |
|-------------------------------------|---|
| Dimensions [mm] | 682,5 x 490,5-590,5 x 225 |
| Weight [in kilograms] | 14,2 |
| Weight without stand [in kilograms] | 10,1 |
| Housing dimension details | Dimension drawing (PDF) |
| Swivel | 70 ° |
| Incline forward/backward | 5 ° / 30 ° |
| Height adjustment range [mm] | 100 |
| 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, CAN ICES-3 (B), VCCI-B, FCC-B, RoHS, WEEE, CCC, RCM, China RoHS, EAC |
|---------------|---|

Software & accessories

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|--|---|
| Accompanying software and other accessories are available for download | RadiCS LE |
| Additional supply | Power cord, 2x signal cable DisplayPort - DisplayPort, Signal cable DVI-D - DVI-D (dual link), 2x USB 2.0 cable, EIZO LCD Utility Disk (incl. PDF manual), Short DisplayPort signal cable - DisplayPort |
| 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.) |
| Recommended graphics card | MED-XN72 |

Warranty

| | |
|----------------------|-------------------|
| Warranty and service | 5 years warranty* |
|----------------------|-------------------|

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.