RX360

Your advantages

5 YEARS WARRANTY

RadiForce RX360 features 3-megapixel resolution and high luminance – making it perfect for precisely displaying radiological images. The device provides high image quality, advantageous for displaying greyscale images (particularly ones of the thorax and microstructures) as well as colour images made from 3D reconstructions and a combination of various imaging methods. The RX360 can automatically select the right luminance characteristic curve for the image if desired. This allows monochrome X-ray images to be displayed with DICOM greyscale characteristics, for instance, while the luminance of other images follows a gamma functionality. EIZO calls this technology 'Hybrid Gamma'. As a result, the reproduced image is as clear as possible. 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 gives it an attractive appearance. The device's design and technology offer ergonomic comfort as well as one-of-a-kind image precision for use in modern radiology.

- ✓ 3-megapixel colour display with consistently high and stable brightness

- ✓ High contrast levels and Sharpness Recovery technology for clear imaging of structures

- ✓ Palette with 543 billion hues for precise colour reproduction (max. 13-bit)

- ✓ Hybrid Gamma PXL functionality for precise display, down to the pixel, of greyscale and colour images with the required luminance characteristic curve

- ✓ Homogenous display surface with automatic luminance distribution control (DUE)

- ✓ 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 diagnostic station

- ✓ Ergonomic design with fresh, clean look

- ✓ Compact dimensions and narrow bezels

Features

Excellent image quality for the finest details

Thanks to the high 3 Megapixels (colour) resolution, a strong contrast ratio of 1500:1 and stable brightness of up to 1100 cd /m^2, 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.
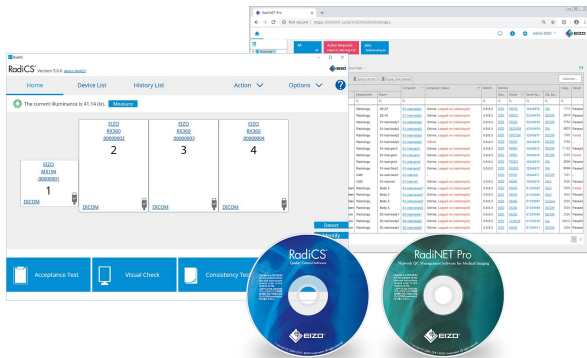
Consistently secure image quality

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

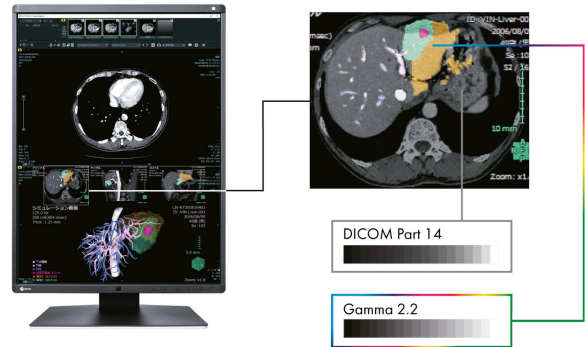Learn more about RadiCS software (optionally available)

Learn more about RadiNet Pro software (optionally available)

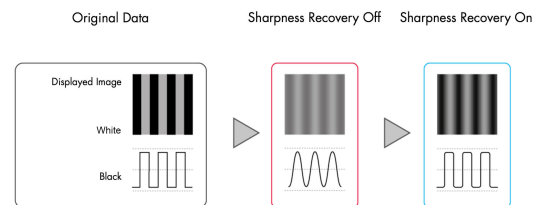## Observe monochrome and colour images on a single monitor

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.

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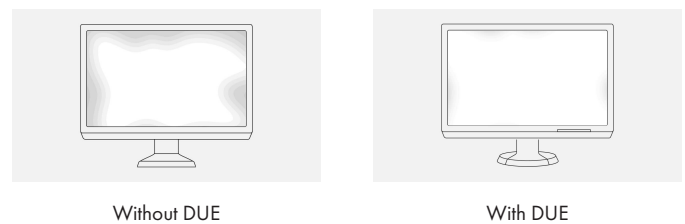
Blur reduction

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.
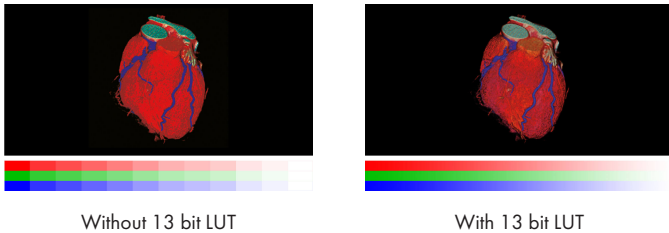

Uniform brightness and high colour purity

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

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.

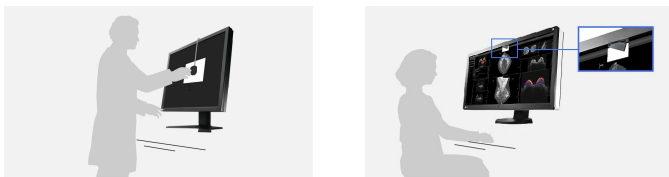Without 13 bit LUT   With 13 bit LUT

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.

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.

Without IFS   With IFS

Evolve your image reading: the Work-and-Flow technology

Radiologists face an increasing amount of information on their screens, as modalities become increasingly digitalized. But imaging procedures now no longer need to be so complex, thanks to the unique Work-and-Flow technology from EIZO, featuring new functions developed specially to meet the requirements of radiologists. The RadiForce RX360 and RadiCS-LE software solution enable you to benefit from the Work-and-Flow functions.

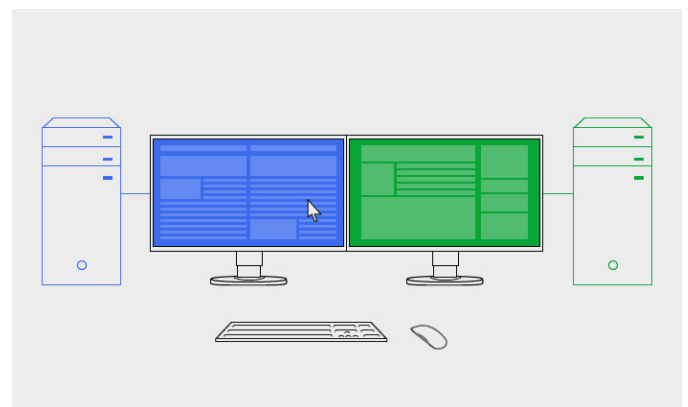More information about the Work-and-Flow functions

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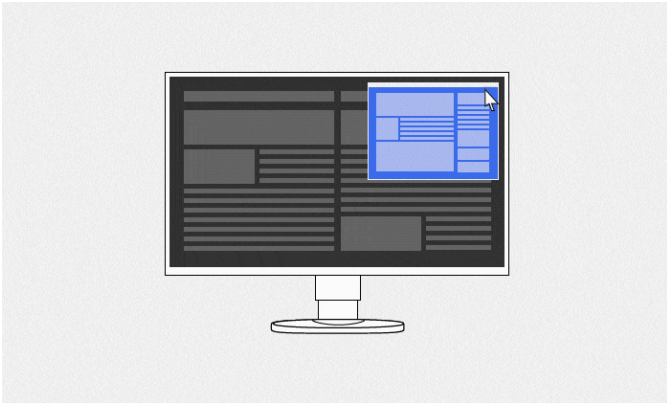
Switch-and-Go makes it possible to work using just one keyboard and mouse at diagnostic imaging stations that make use of two computers. You can switch between the two systems simply by moving your cursor from one screen to the other. This ensures greater work efficiency and allows you to maintain a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

Features

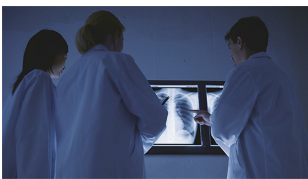## Hide-and-Seek: fast retrieval of information

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.

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

FDA clearance

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

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.
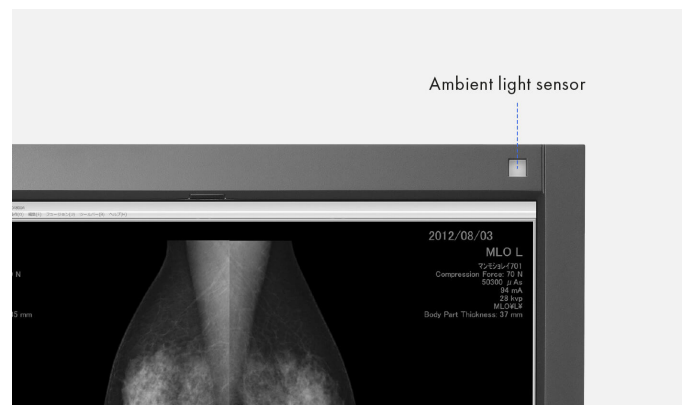
FlexStand: ergonomic base

The base allows the monitor to be tilted and turned, as well as operated in landscape or portrait form. The seamless height adjustment starts from the very bottom on the desk. This guarantees optimal ergonomics, regardless of whether you are standing or sitting in front of the screen. Despite its maximum movement possibilities, the FlexStand base always remains completely stable.

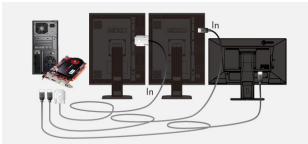## Ambient light sensor supports the constancy test

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.
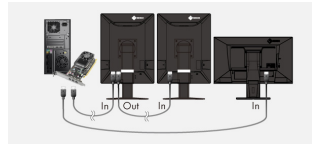
Ambient light sensor

Features

Multi-monitor solutions without problems

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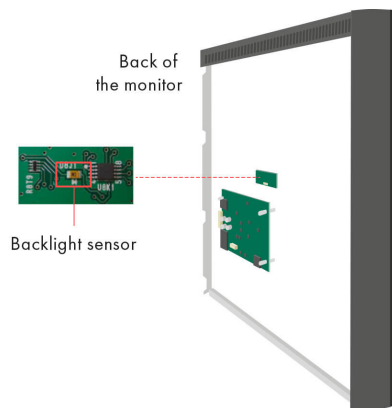

Conventional solution: messy cabling

Daisy-chain compatibility via DisplayPort interface: tidied-up cables

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

Backlight sensor

Reliable brightness

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

For precise diagnoses: EIZO MED-XN72 graphics card

The EIZO MED-XN72 graphics card supports the properties, functions, and settings of the RadiForce RX360 optimally. It enables precise diagnostics and can control several monitors

simultaneously. EIZO offers technical support and a warranty service for all graphics cards. Therefore, we recommend using EIZO graphics cards.

Display the specifications of the MED-XN72

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.

Eye-friendly Comfort Light

EIZO offers a brand-new, easy-to-operate comfort light for radiologists who work in dark diagnosis rooms. The soft illumin-ance 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

Specification

General

Item no.	RX360
Case colors	Bicolor, black and white
Areas of application	Medicine
Product line	RadiForce
EAN	4995047053279

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]	0.21 x 0.21
Panel technology	IPS
Max. viewing angle horizontal	178 °
Max. viewing angle vertical	178 °
Number of colours or greyscale	1.07 billion colours (display port, 10 Bit), 16.7 million colours (display port, 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/m²]	1100
Recommended brightness [in cd/m²]	500
Recommended brightness warranty	500
Factory-calibrated brightness [in cd/m²]	400
Max. dark room contrast (typical)	1500:1
Typical response time [black/white/black alternation]	12 ms
Backlight	LED

Features & control

Preset colour/greyscale modes	DICOM, CAL1, CAL2, 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	✔
Blur reduction	✔
Sensors	Presence sensor, 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, Off Timer
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	2 x type A
Video signal	DisplayPort, DVI (TMDS)

Electric data

Frequency	Digital: 31-127 kHz/29-61,5 Hz
Power consumption (typical) [in watt]	34
Maximum Power Consumption [in watt]	74
Power Save Mode [in watt]	1
Power consumption off [in watt]	0
Power supply	AC 100-240V, 50/60Hz

Dimensions & weights

Dimensions [mm]	354 x 481-571 x 200
Weight [in kilograms]	8
Weight without stand [in kilograms]	5.2
Swivel	70 °
Incline forward/backward	5 ° / 30 °
Pivot	✔ 90°
Height adjustment range [mm]	90
Hole spacing	VESA standard 100 x 100 mm

Certification & standards

Certification	CE (Medical Device Directive), 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

Software & accessories

Accompanying software and other accessories are available for download	RadiCS LE
Additional supply	Power cord, Signal cable DisplayPort - DisplayPort, 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.)
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.