EIZO®

Medical Monitor Solutions

RadiForce®

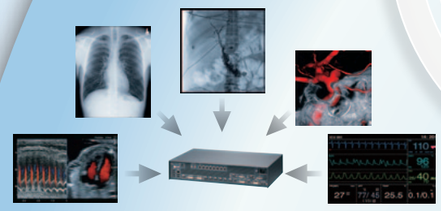
2016 - 2017

extracting the essence.

Visual Technology Company

Innovative Technology

Video Management Solutions



EIZO's Large Monitor Managers gather various video inputs and display them on a large screen. Different layouts can be arranged according to user preference and work environment for a streamlined workflow.

Visibility-Enhancing Technology

EIZO's Visibility Optimizer technology includes three functions for improving image clarity in security environments. Defog enhances images that appear hazy due to fog or snow. Low-Light Correction detects areas of the screen that are too dark and adjusts the brightness of each pixel. Outline Enhancer ensures noise is not accentuated while correcting blurred areas.

IP Security Monitors

EIZO's IP solutions offer PC-less connection to multiple IP cameras for efficient video management in security and surveillance environments.

Integrated Approach

Global Reach

EIZO products are highly regarded in many specialty fields throughout the world because of their accurate and stable image display. EIZO is based in Japan and is represented in over 80 countries by a network of group companies and exclusive distributors.

45+ years of expertise

45+ years of expertise

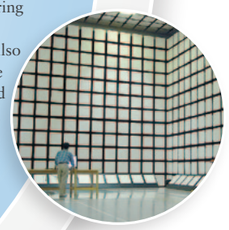
With over 45 years of technical expertise, EIZO is dedicated to developing innovative and high quality visual display solutions.

Customization

We offer extensive customization for select monitors to meet the diverse requirements of various markets, including mission-critical fields such as maritime and air traffic control.

Quality Control

We use our own anechoic chambers to confirm that our products comply with international regulations covering electromagnetic interference (EMI) and susceptibility. We also conduct long-life testing where our monitors are kept powered on for thousands of hours and their image quality is checked regularly.



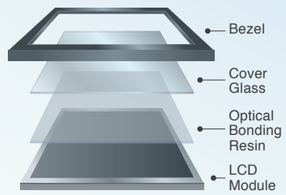
Integrated Production

To incorporate the latest technologies in our products, we follow a unique in-house research and development production model, including the production of our own printed circuit boards (PCBs).

Manufacturing

Our in-house manufacturing combines manual and automated operations to ensure high quality products are made as efficiently as possible.

In-House Optical Bonding



EIZO has an in-house production line for optical bonding which allows the company to continue to meet the needs of professionals while ensuring each product maintains high quality standards.

Comprehensive Solutions

Business Enterprise

FlexScan

The FlexScan Series of monitors offer a range of features for reducing eye fatigue and improving image clarity for the office, schools, or home use.

Graphics

ColorEdge

ColorEdge is a series of color management monitors and software solutions that provides users in photography, design, post production, and other fields faithful color reproduction, ease-of-use, and reliability for expressing their creative vision.

Home Entertainment

FORIS

FORIS, which means "door" in Latin, is EIZO's line of monitors for gaming, watching videos, enjoying digital photos, and more. With unique features such as smartphone notifications, FORIS provides users with an immersive experience.

Healthcare

CuratOR / RadiForce

With CuratOR, EIZO offers complete solutions for the integrated OR, interventional radiology, and the control room. RadiForce medical monitors are designed for displaying medical images faithfully using cutting edge technology and unique features.

Maritime / Security & Surveillance

DuraVision

DuraVision monitors offer robust performance and reliable 24/7 operation to maritime, security & surveillance, and industrial markets. The monitors are highly configurable for flexible installation in a range of environments.

Air Traffic Control

Raptor / Re/Vue

EIZO provides air traffic control centers, towers, and training & simulation facilities with the most extensive lineup of monitors, recording & streaming solutions, and graphics boards in the industry. Extensive customizability is also offered for meeting the needs of any installation.

How are the monitors in your hospital?

Do you see all information accurately?

A wide variety of medical images are used across different modalities. Monochrome images such as CR, CT, and MRI and color images such as endoscopy, PET, and 3D-CT must be displayed with the correct gradations. It is important to use a monitor that can accurately display medical images according to the requirements of each modality.

EIZO's RadiForce medical monitors are equipped with technologies for adjusting and maintaining the correct brightness and grayscales to best suit your viewing environment.

▸▸ *See pages 9-10 for details.*

Can you maintain image quality?

A monitor's display of color and brightness changes over time with use. Having a monitor that lasts long and is capable of maintaining quality control with regular adjustments is important.

RadiForce monitors are equipped with various features and functions for stabilizing and adjusting monitor brightness to meet standard viewing requirements. They also have built-in sensors for easily maintaining quality control. EIZO's confidence in its product quality extends to brightness stability which is also covered by a warranty during the recommended usage time.

▸▸ *See pages 11-12 for details.*

Are they appropriate for your viewing needs?

The size and volume of a medical image varies from modality to modality. It is important to choose a monitor that displays at the appropriate resolution for the type of image you are viewing.

EIZO's wide range of RadiForce medical monitors offers the perfect selection of sizes and resolutions to suit your viewing environment.

▸▸ *See pages 8, 14-19 for details.*

Have you made a balanced investment?

Though you should consider the most appropriate products for your viewing needs, cost is still an important factor. Installing the best visual equipment throughout your hospital is ideal, but it is important to consider how you can make the most of your investment.

That is why the RadiForce MX-Series is not only equipped with the technology and display capability for viewing high quality medical images, but also offers superior cost performance compared to standard monitors. These clinical review monitors are ideal for viewing patient charts and referring to medical images to provide you with the perfect balance between image quality and investment value.

▸▸ *See page 20-21 for details.*

Carving out the smallest details is essential in medical practice.

Only people who can obtain a clear picture, and only those who can separate what is important from what is not, get clear results in medicine.
Exceptional image quality, a perfectly coordinated network, support software, and excellent customer service are some of the reasons why EIZO RadiForce medical solutions are found in leading hospitals around the world.

Because just like healthcare professionals, we always have one goal in mind:

extracting the essence.

Diagnostic Monitors
RadiForce G&R-Series

Multi-Modality Monitors
RadiForce Multi-Series

Breast Imaging Monitors
RadiForce Mammo-Series

Clinical Review Monitors
RadiForce MX-Series

Monitor Quality Control Solutions
RadiCS & RadiNET Pro

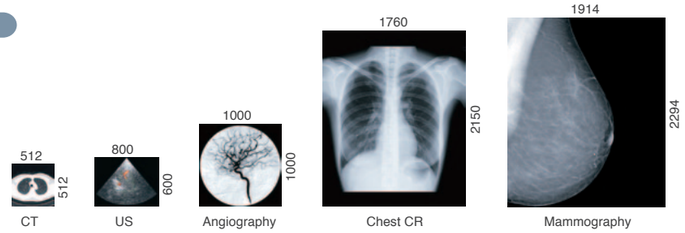
Medical Monitor Solutions
RadiForce®

RadiForce specially designed 1 to 8 megapixel monochrome and color monitors take full account of medical institutions' need for different types of monitors with DICOM Part 14 standard calibration and high-performance capabilities required for precise diagnoses.

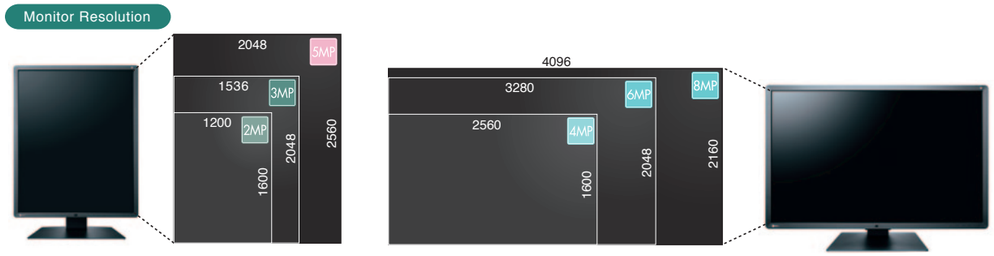
View at the Appropriate Resolution

Each modality varies in its display of medical images with regards to size and information volume. RadiForce monitors come in a range of resolutions for displaying images appropriate for each modality.

Original Data



Monitor Resolution



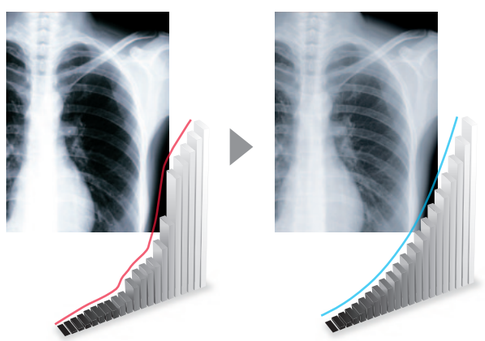
Make the Precise Diagnosis

EIZO carefully measures and sets each and every grayscale tone to create a monitor compliant with DICOM Part 14. This ensures the most consistent shading possible, allowing you to make the most accurate diagnosis. MS235WT features a DICOM preset mode for optimal medical image viewing.

Maintain the Precision

Perform a simplified calibration compliant with DICOM Part 14 using the bundled RadiCS LE quality control software. RadiCS LE corrects the brightness and grayscale tones of the monitor to maintain image accuracy and consistency over time.

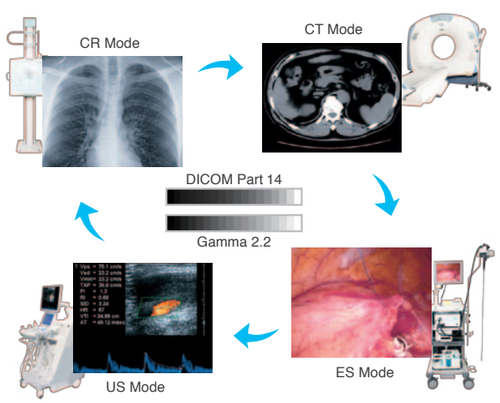
RadiCS LE not bundled with the MS235WT.



Select the Ideal Mode for Modalities

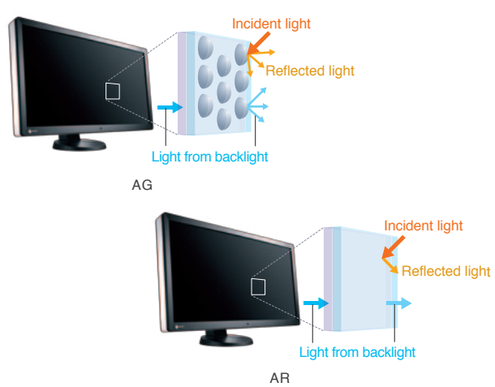
The CAL Switch function allows you to choose various modes for different modalities such as CR, CT, and endoscopy. It can be conveniently accessed using the monitor's front panel buttons to easily switch to optimal image viewing conditions.

Number or type of the modes vary by model.



Reduce Reflections for Image Clarity

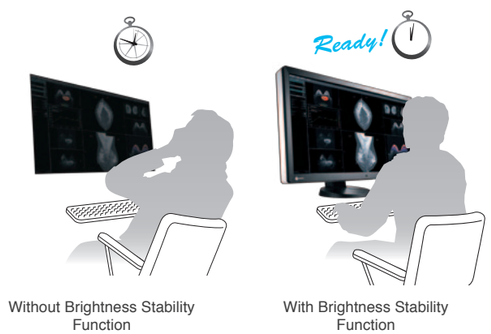
Anti-reflection (AR) coating greatly reduces reflections caused by outside light without affecting the light emitted from the monitor. It also minimizes the loss of contrast that causes blacks to appear washed out with an anti-glare (AG) coating. This makes AR coating ideal for environments with bright ambient lighting.



View Accurate Images in Moments

The EIZO-patented drift correction function quickly stabilizes the brightness level of the monitor upon startup or wakeup from sleep mode, giving you the most accurate images quickly ready for viewing. In addition, a sensor measures the backlight brightness and automatically compensates for brightness fluctuations caused by ambient temperature and aging for a consistently stable display.

All models except the MS235WT.



Attain Steady Images Across the Screen

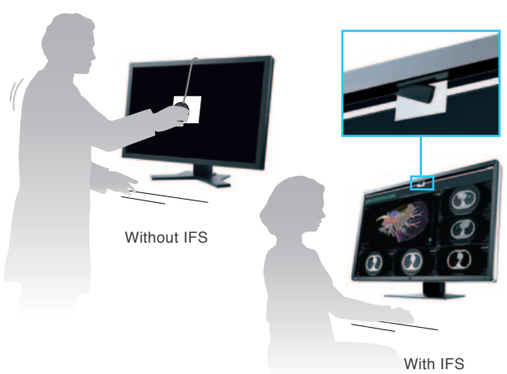
The Digital Uniformity Equalizer (DUE) function helps to even out fluctuations in brightness and chroma on different parts of the screen to provide smoother images, a quality typically difficult to attain due to the characteristics of LCD monitors.

All models except the MX191 and MS235WT.

Manage Effortless Quality Control

An Integrated Front Sensor (IFS) housed within the front bezel measures brightness and grayscale tones and calibrates to the DICOM Part 14 standard. The hands-free IFS performs quality control tasks and does not interfere with the viewing area while in use. This dramatically cuts the workload and maintenance costs needed for maintaining monitor quality control.

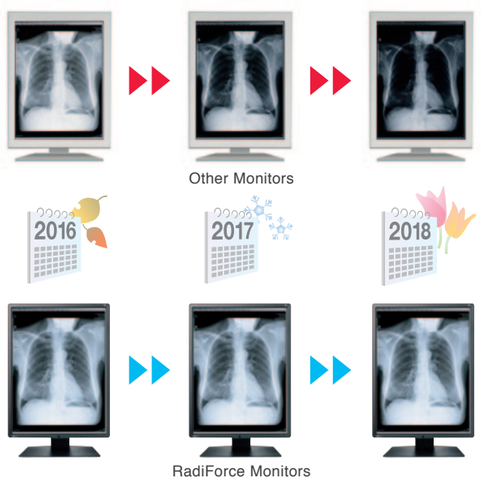
All models except the MX242W, MX191, and MS235WT.



Stay Confident with Stable Brightness

EIZO's confidence in its product quality extends to brightness stability which is also covered during the usage time specified in the warranty.

All models except the MX191 and MS235WT.

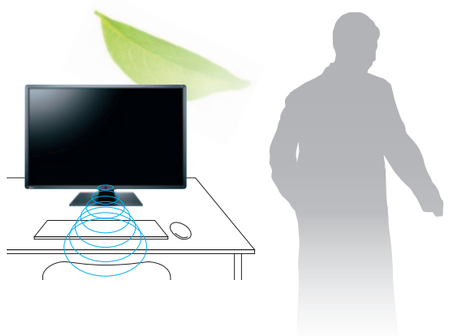


Comfortably View from Any Angle

RadiForce monitors' wide viewing angles allow you to view the screen from the side with minimal color shift, also permitting more than one person to view the monitor comfortably at the same time.

Conserve Energy While Away

The presence sensor equipped with some models prompts the monitor to switch to power save mode when it detects you are away, and then resumes normal operation when you return. This ensures that the monitor conserves power when it is not in use, uniting convenience with savings.



Multi-Modality Monitors

RadiForce® Multi-Series

With advances in medical imaging technology over the years, hospitals are now handling a wider variety and larger volume of image data. The multi-modality approach of RadiForce super high-resolution diagnostic monitors allows a variety of images to be displayed on a single screen—an essential step forward for medicine.

8MP RX850
79 cm (31.1") Color LCD Monitor

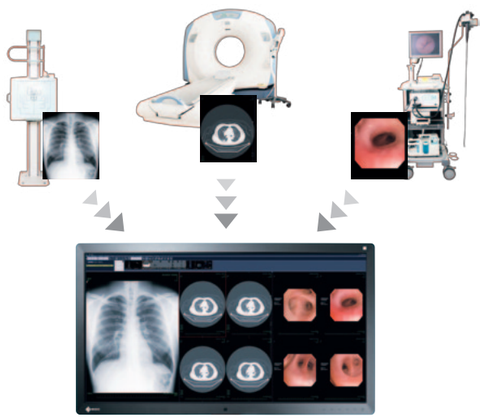
6MP RX660
76 cm (30.0") Color LCD Monitor

4MP RX440
76 cm (29.8") Color LCD Monitor

Features

Multi-Modality Readiness

Multi-modality monitors are capable of displaying images to suit a number of modalities such as CR, DR, MRI, CT, and ultrasound. With multi-modality support, you can increase work efficiency with the ability to view numerous medical images on one screen with exceptional accuracy.



Conveniently View Images Side-by-Side

RadiForce multi-modality monitors allow you to view images side by side without the obtrusive bezels typically found in a multi-monitor setup. This prevents the eye from being disrupted when moving between two screens for a reader efficiency.

Work-and-Flow

Evolve Your Image Reading

As more image modalities become digitalized, radiologists are viewing an increasing amount of information on their screens. EIZO's unique Work-and-Flow technology alleviates the complexity of the imaging workflow with new functions developed with the radiologist in mind. Users can take advantage of Work-and-Flow features with the RadiForce RX660 and bundled RadiCS LE software.

See how EIZO's unique Work-and-Flow function can save you time and space.
www.eizoglobal.com/i/workandflow/

Quick Information Referencing

The Hide-and-Seek function enables users to easily hide the PinP (Picture in Picture) window not currently in use and reopen it as needed by moving the mouse cursor to the edge of the screen. This eliminates the need for an extra monitor while still allowing quick and efficient viewing of reports, patient charts, and other information.

Hide-and-Seek

Barrier-Free Workstyle

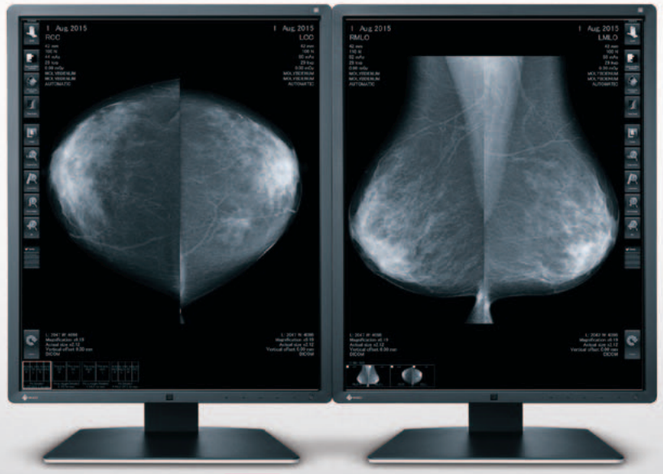
With the Switch-and-Go function USB switching is done within the monitor. This enables users to use a single keyboard and mouse across two workstations. Users can easily work on either workstation by simply moving the mouse cursor across the screens. This enhances work efficiency and creates a cleaner workspace.

Switch-and-Go

Breast Imaging Monitors

RadiForce® Mammo-Series

It is vital in the process of early breast cancer detection that monitors display accurate and consistent quality images. EIZO provides optimum diagnosis confidence with distinctive versions of the RadiForce 5 megapixel and 8 megapixel monitors for displaying breast screening images.



5MP GX550
54.1 cm (21.3") Monochrome LCD Monitor

8MP RX850
79 cm (31.1") Color LCD Monitor

Digital Mammography in the Field

See how digital imaging is being used for mammography to improve the diagnostic workflow.

www.eizoglobal.com/i/mammo/

The One Screen Solution

See how EIZO's multi-modality monitors are used to make a difference in the mammography workflow.

www.eizoglobal.com/i/dr_tabar/

RadiForce RX850 Improves Reader Efficiency in Mammography

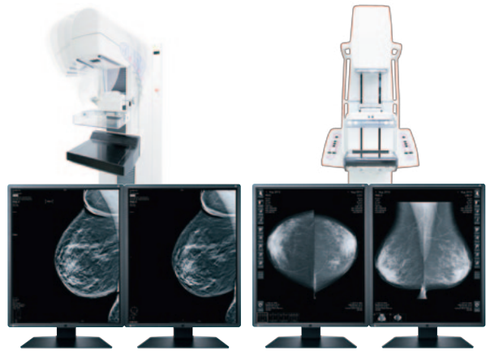
See how EIZO's 8 megapixel medical monitor demonstrates high reader efficiency in mammography compared to dual 5 megapixel monitors.

www.eizoglobal.com/i/dr_krupinski/

Features

Optimum Breast Screening Monitor

The GX550 has obtained FDA 510(k) clearance by the U.S. Food and Drug Administration for breast tomosynthesis and mammography. This ensures that the monitor is capable of displaying detailed breast screening images where high performance is essential.



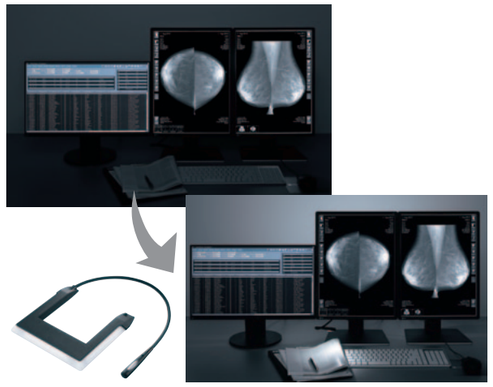
Breast Tomosynthesis　　Mammography

Streamlining the Workflow

Having received FDA 510(k) clearance for breast tomosynthesis, mammography and general radiography from the U.S. Food and Drug Administration, the color monitor RX850 is not only capable of displaying MRI, CT, and ultrasound images, but also tomosynthesis and mammography images where high performance is essential. With multi-modality support, you can increase work efficiency with the ability to view numerous medical images on one screen with exceptional accuracy.

Optimized Reading Room

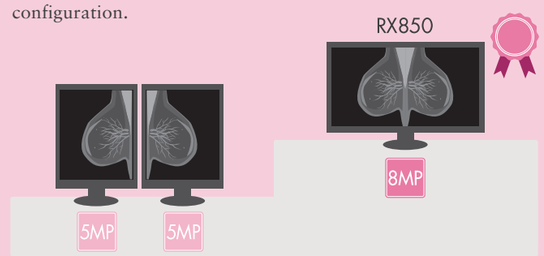
RadiLight attaches to the back of RadiForce monitors and shines a light on the wall behind it. This eases the amount of concentrated light traveling to the radiologist's eyes for reducing eye strain while not impacting the reading room's overall ambient lighting or visibility of the images on the screen.



Study

RadiForce RX850 Improves Reader Efficiency

A research study conducted by the University of Arizona Department of Medical Imaging demonstrated that a single RadiForce RX850 8 megapixel monitor significantly improves reader efficiency compared with a dual 5 megapixel monitor configuration.



- ☑ Viewing Time — 10% less
- ☑ Total Number of Eye-Position Fixations — 13% less
- ☑ Number of Times Viewers Scanned from One Image to the Other — 17% less

Diagnostic Monitors

RadiForce® G&R-Series

3 high-resolution megapixel monitors are capable of fully displaying chest X-ray images.
2 megapixel monitors are ideal for a wide variety of tasks from viewing CR, DR, MRI, and CT images to use as a PACS/HIS/RIS terminal.

2MP RX250
54 cm (21.3") Color LCD Monitor

3MP RX350
54.1 cm (21.3") Color LCD Monitor

3MP GX340
54 cm (21.3") Monochrome LCD Monitor

2MP GX240
54 cm (21.3") Monochrome LCD Monitor

EIZO Graceful White

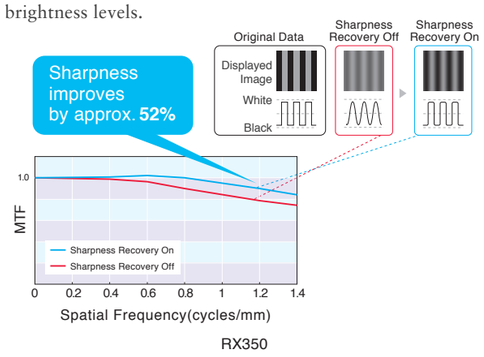
The newly designed RadiForce lineup represents cleanliness, reliability, and peace of mind – the perfect monitors for reading rooms.

www.eizoglobal.com/i/rondo/

Features

Achieve Clarity True to the Source Data

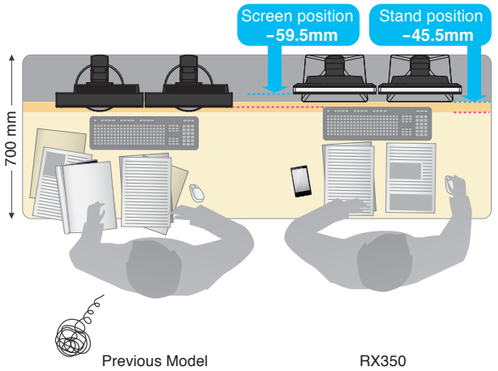
A medical monitor needs to be capable of high brightness in order to meet performance standards. However, in order to achieve high brightness in an LCD panel, the pixel aperture ratio has to be increased. This causes a typically unavoidable decline in sharpness. With EIZO's unique Sharpness Recovery technology installed on RX350 and RX250, the decrease in sharpness (MTF) is restored. This allows you to display an image safely on the monitor that is true to the original source data, even at high brightness levels.



RX350

Save Work Space with Sleek Cabinet Design

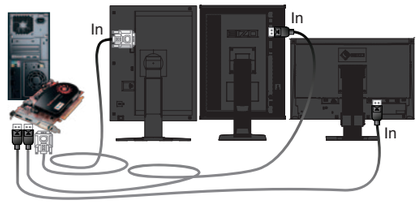
For keeping workspace efficient, the newly designed monitors' width, height, and depth were reduced – a 30% difference compared to RX350's predecessor and a 27% difference compared to RX250's predecessor.



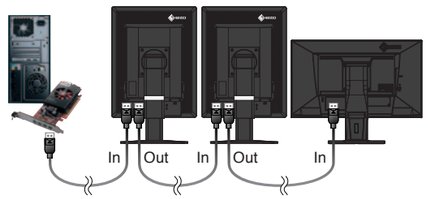
Previous Model RX350

Hassle-Free Multi-Monitor Configuration

Utilizing the DisplayPort output connection of RX350 and RX250, you can drive several monitors in a daisy chain sequence. This allows you to configure a multi-monitor setup without the complicated hassle of excessive cabling.



Without DisplayPort Output

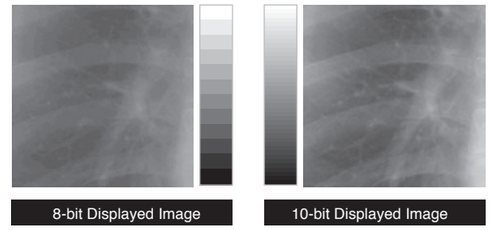


With DisplayPort Output

Discern Subtleties in Grayscale Tones

The GX340 and GX240 10-bit (1,024 tones) simultaneous grayscale display reproduces monochrome images with a high bit-depth for a sharper, clearer result.

10-bit graphics board and 10-bit viewer software needed for 10-bit display.



8-bit Displayed Image 10-bit Displayed Image

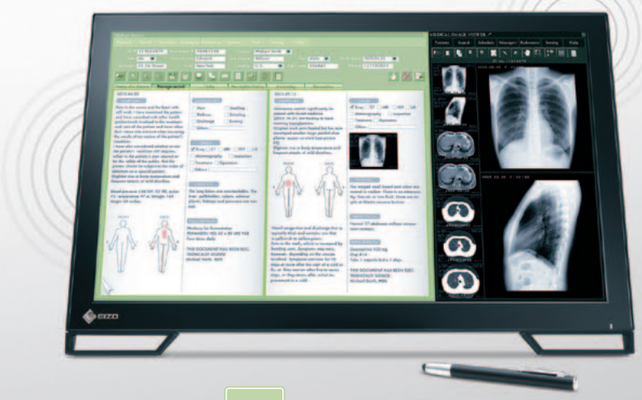
Clinical Review Monitors

RadiForce® MX-Series

Superior cost performance clinical review monitors are ideal for viewing patient charts with MRI and CT medical images in DICOM Part 14 standard. In addition, they are available in wide-screen and square formats in various resolutions to meet the diverse needs of hospitals and clinics.

2.3MP MX242W
61cm (24.1") Color LCD Monitor

1MP MX191
48cm (19.0") Color LCD Monitor



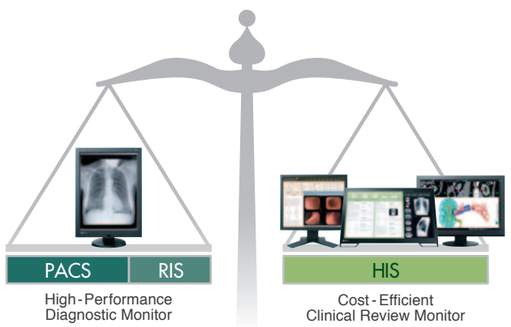
2MP MS235WT
58cm (23.0") Multitouch Color LCD Monitor

2MP MX215
54cm (21.3") Color LCD Monitor

Features

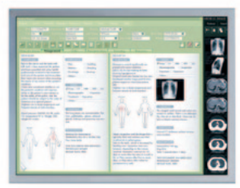
Stay Cost Efficient

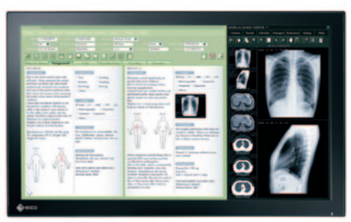
For environments using clinical record applications for image referencing, more cost-efficient solutions are available with the MX Series, so you can continue to review medical images optimized for DICOM Part 14 while ensuring higher savings.



View More with Widescreen

The 16:10 or 16:9 aspect ratio of the widescreen monitors provides significantly more horizontal space than aspect ratios of conventional square monitors. The screen is wide enough so that you can keep tool palettes open without covering the window you are working on.

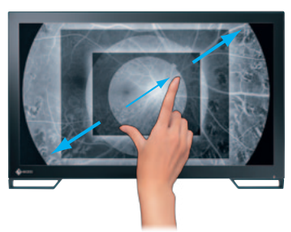




Easily Interact with Images

Both intuitive and easy to work with, the MS235WT multitouch interface lets you tap, scroll, drag, pinch, spin, etc. with your fingers instead of using a mouse and keyboard for convenient interaction with images.

Drag



Pinch-in / out

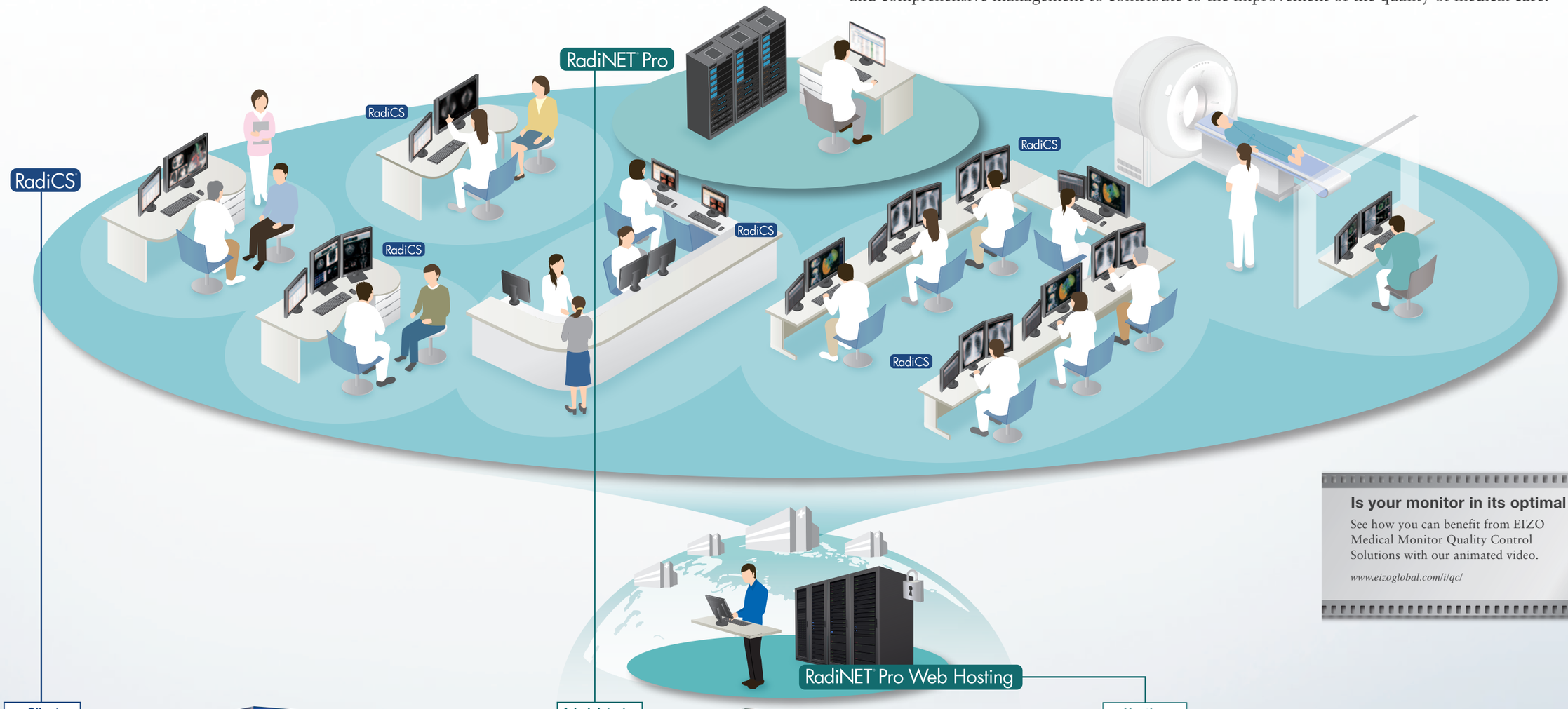
Achieve Seamless Touch Operation

The new, perfectly flat surface design of the MS235WT allows touch operation all the way to the edges of the display area without being obstructed by the bezel for a smooth touch experience.

Monitor Quality Control Solutions

RadiCS® & RadiNET® Pro

With filmless imaging spreading in medicine, maintaining the quality of monitors for medical imaging is becoming increasingly important. With the know-how and experience as a specialist in visual display solutions, EIZO offers monitor quality control solutions for diagnostic precision and comprehensive management to contribute to the improvement of the quality of medical care.



Is your monitor in its optimal state?

See how you can benefit from EIZO Medical Monitor Quality Control Solutions with our animated video.

www.eizoglobal.com/i/qc/

Client

Quality Control Software & Sensor

RadiCS® UX1

Maintain Quality Control of Individual Monitors

Ensuring that the quality control of each client monitor complies with important medical standards, from calibration to acceptance and constancy tests to history and asset management, requires technical know-how and experience. EIZO offers software and sensors that make quality control efficient and user-friendly.

Administrator

Network QC Management Software

RadiNET® Pro

Maintain Quality Control for a Large Number of Monitors

Maintaining quality control of a large number of monitors in hospitals calls for a lot of effort. EIZO offers centralized management of client monitors connected to the hospital network, providing increased efficiency of monitor QC operations.

Hosting

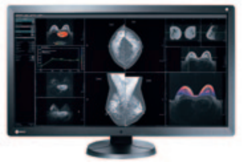
Network QC Management Server Providing

RadiNET® Pro Web Hosting

Expert Quality Control Services for Reassurance

Setting up and maintaining a server for monitor quality control operations is a significant investment. EIZO will setup and host the web server for you for efficient centralized control of all connected monitors.

Specifications



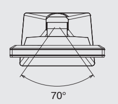




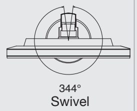

		8MP RadiForce RX850	6MP RadiForce RX660	4MP RadiForce RX440	5MP RadiForce GX550	3MP RadiForce GX340	3MP RadiForce RX350	2MP RadiForce GX240	2MP RadiForce RX250
Model Variations		RX850: Anti-Glare coating RX850-AR: Anti-Reflection coating	RX660: Anti-Glare coating RX660-AR: Anti-Reflection coating	—	GX550: Anti-Glare coating GX550-P: Anti-Glare coating, paring GX550-AR: Anti-Reflection coating GX550-AR-P: Anti-Reflection coating, paring	GX340-CL: Clear Base GX340-CL-P: Pairing	RX350: Anti-Glare coating RX350-AR: Anti-Reflection coating	GX240-CL: Clear Base GX240-CL-P: Pairing	RX250: Anti-Glare coating RX250-AR: Anti-Reflection coating
Panel	Type	Color (IPS)	Color (IPS)	Color (IPS)	Monochrome (IPS)	Monochrome (IPS)	Color (IPS)	Monochrome (IPS)	Color (IPS)
	Backlight	LED	LED	LED	LED	LED	LED	LED	LED
	Size	79 cm / 31.1"	76 cm / 30.0"	76 cm / 29.8"	54.1 cm / 21.3"	54 cm / 21.3"	54.1 cm / 21.3"	54 cm / 21.3"	54 cm / 21.3"
	Native Resolution	4096 x 2160 (17:9 aspect ratio)	3280 x 2048 (16:10 aspect ratio)	2560 x 1600 (16:10 aspect ratio)	2048 x 2560 (4:5 aspect ratio)	1536 x 2048 (3:4 aspect ratio)	1536 x 2048 (3:4 aspect ratio)	1200 x 1600 (3:4 aspect ratio)	1200 x 1600 (3:4 aspect ratio)
	Viewable Image Size (H x V)	697.9 x 368.0 mm	645.5 x 403.0 mm	641.2 x 400.8 mm	337.9 x 422.4 mm	324.8 x 433.1 mm	324.9 x 433.2 mm	324.0 x 432.0 mm	324.0 x 432.0 mm
	Pixel Pitch	0.1704 x 0.1704 mm	0.1968 x 0.1968 mm	0.2505 x 0.2505 mm	0.165 x 0.165 mm	0.2115 x 0.2115 mm	0.2115 x 0.2115 mm	0.270 x 0.270 mm	0.270 x 0.270 mm
	Grayscale Tones / Display Colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit (DisplayPort) : 1024 from a palette of 16369 tones 8-bit: 256 from a palette of 16369 tones	10-bit (DisplayPort) : 1024 from a palette of 16369 tones 8-bit: 256 from a palette of 16369 tones	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit (DisplayPort) : 1024 from a palette of 16369 tones 8-bit: 256 from a palette of 16369 tones	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors
	Viewing Angles (H / V, typical)	178° / 178°	176° / 176°	176° / 176°	178° / 178°	176° / 176°	178° / 178°	176° / 176°	178° / 178°
	Brightness (typical)	850 cd/m^2	1000 cd/m^2	750 cd/m^2	2000 cd/m^2	1200 cd/m^2	1000 cd/m^2	1200 cd/m^2	800 cd/m^2
	Recommended Brightness for Calibration	500 cd/m^2	500 cd/m^2	400 cd/m^2	600 cd/m^2	500 cd/m^2	500 cd/m^2	500 cd/m^2	400 cd/m^2
	Contrast Ratio (typical)	1450:1	1500:1	1100:1	1500:1	1400:1	1500:1	1400:1	1400:1
	Response Time (typical)	20 ms (on / off)	25 ms (on / off)	20 ms (on / off)	25 ms (on / off)	40 ms (on / off)	25 ms (on / off)	40 ms (on / off)	20 ms (on / off)
Video Signals	Input Terminals	DVI-D (dual link) x 2, DisplayPort x 2 (two inputs are required)	DVI-D (dual link) x 1, DisplayPort x 2	DVI-D (dual link) x 1, DVI-D (single link) x 1, DisplayPort x 1	DVI-D (dual link) x 1, DisplayPort x 1	DVI-D (dual link) x 1, DisplayPort x 1	DVI-D (dual link) x 1, DisplayPort x 1	DVI-D x 1, DisplayPort x 1	DVI-D x 1, DisplayPort x 1
	Output Terminals	—	DisplayPort x 1 (daisy chain)	—	DisplayPort x 1 (daisy chain)	—	DisplayPort x 1 (daisy chain)	—	DisplayPort x 1 (daisy chain)
	Digital Scanning Frequency (H / V)	31 - 140 kHz / 59 - 61 Hz Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz	31 - 127 kHz / 22 - 61 Hz Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz	31 - 159 kHz / 29 - 61 Hz Frame synchronous mode: 59 - 61 Hz, 29.5 - 30.5 Hz	31 - 135 kHz / 23 - 61 Hz Frame synchronous mode: 23.5 - 25.5 Hz, 47 - 51 Hz	31 - 127 kHz / 29 - 61.5 Hz Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz	31 - 127 kHz / 29 - 61.5 Hz Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz	31 - 100 kHz / 59 - 61 Hz Frame synchronous mode: 59 - 61 Hz	31 - 100 kHz / 59 - 61 Hz Frame synchronous mode: 59 - 61 Hz
USB	Function	1 upstream, 2 downstream	2 upstream, 3 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream
	Standard	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Power	Power Requirements	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	227 W	190 W	167 W	95 W	90 W	89 W	76 W	79 W
	Typical Power Consumption	111 W	93 W	84 W	40 W	36 W	46 W	29 W	38 W
	Power Save Mode	Less than 6 W	Less than 1.6 W	Less than 0.7 W	Less than 1 W	Less than 1.6 W	Less than 1 W	Less than 1.6 W	Less than 1 W
	Power Management	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.2a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.2a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.2a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.2a
Sensor		Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor
OSD Languages		English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese
Physical Specifications	Net Weight	22.4 kg (AC adapter included)	14.2 kg	20.2 kg	8.1 kg	10.2 kg	8.1 kg	10.2 kg	8.2 kg
	Net Weight (Without Stand)	15.8 kg	10.1 kg	16.0 kg	5.3 kg	7.5 kg	5.3 kg	7.5 kg	5.4 kg
	Hole Spacing (VESA Standard)	100 x 100 mm	100 x 100 mm	200 x 100 mm, 100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm
Certifications & Standards [1]		CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC
FDA 510(k) Clearance [1,2,3]		Yes (for Breast Tomosynthesis, Mammography, and General Radiography)	Pending (for General Radiography)	Yes (for General Radiography)	Yes (for Breast Tomosynthesis, Mammography, and General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)
Supplied Accessories [4]		AC power cord, AC adapter, signal cables (DVI-D - DVI-D [dual link supported] x 2, DisplayPort - DisplayPort x 2), USB cable, holder for power cord, Utility Disk (RadiCS LE, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, signal cables (DVI-D - DVI-D [dual link supported], DisplayPort - DisplayPort x 2, short DisplayPort - DisplayPort), USB cable x 2, cable cover, Utility Disk (RadiCS LE, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, signal cables (DVI-D - DVI-D [dual link supported], DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE)	AC power cord, signal cables (DVI-D - DVI-D [dual link supported], DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, signal cables (DVI-D - DVI-D [dual link supported], DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, user's manual)	AC power cord, signal cables (DVI-D - DVI-D [dual link supported], DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, user's manual)	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, PDF instructions for use, PDF installation manual), instructions for use
Warranty		Five Years	Five Years	Five Years	Five Years	Five Years	Five Years	Five Years	Five Years

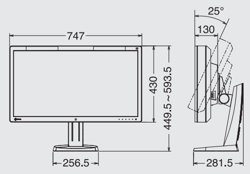
Dimensions (Unit: mm)

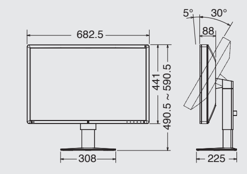
RX660, GX550, RX350, RX250 :

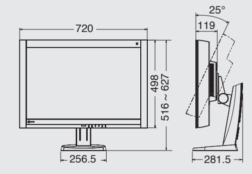


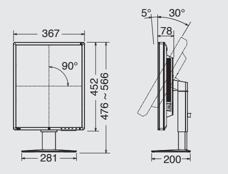
Other:

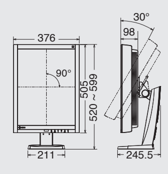


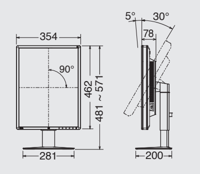


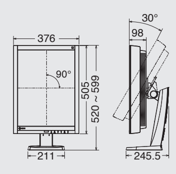


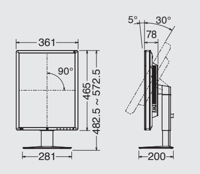












[1] *Please contact the EIZO group company or distributor in your country for the latest information.*
[2] *Use FDA 510(k) Clearance monitor for diagnosis.*
[3] *General radiography clearance models does not support display of mammography images for diagnosis.*
[4] *May vary by country. Please contact EIZO for details.*

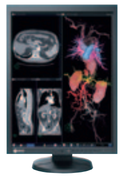
Rest Assured with Medical Qualifications

The monitors meet the strictest medical, safety, and EMC emission standards.

Improve Operability

EIZO's highly versatile stand offers tilt, swivel, and a wide height adjustment range, enabling you to use the monitor with greater comfort.

Specifications

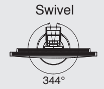



		2.3MP RadiForce MX242W	2MP RadiForce MX215	1MP RadiForce MX191	2MP RadiForce MS235WT
Panel	Type	Color (IPS)	Color (IPS)	Color (VA)	Color (IPS)
	Backlight	LED	LED	LED	LED
	Size	61 cm / 24.1"	54 cm / 21.3"	48 cm / 19.0"	58 cm / 23.0"
	Native Resolution	1920 x 1200 (16:10 aspect ratio)	1200 x 1600 (3:4 aspect ratio)	1280 x 1024 (5:4 aspect ratio)	1920 x 1080 (16:9 aspect ratio)
	Viewable Image Size (H x V)	518.4 x 324.0 mm	324.0 x 432.0 mm	376.3 x 301.0 mm	509.1 x 286.4 mm
	Pixel Pitch	0.270 x 0.270 mm	0.270 x 0.270 mm	0.294 x 0.294 mm	0.2652 x 0.2652 mm
	Display Colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	8-bit colors: 16.77 million from a palette of 8.50 billion colors	8-bit colors: 16.77 million from a palette of 1.06 billion colors
	Viewing Angles (H / V, typical)	178° / 178°	178° / 178°	178° / 178°	178° / 178°
	Brightness (typical)	350 cd/m^2	420 cd/m^2	300 cd/m^2	260 cd/m^2
	Contrast Ratio (typical)	1000:1	1500:1	2000:1	1000:1
	Response Time (typical)	12 ms (on / off)	20 ms (on / off)	20 ms (on / off)	16 ms (on / off), 6 ms (midtone)
Touch Panel	Type	—	—	—	Projected Capacitive Type
	Communication Protocol	—	—	—	USB
	Surface Hardness	—	—	—	5 H
	Compatible OS	—	—	—	Multi-touch: Windows 10 (64-bit, 32-bit), Windows 8.1 (64-bit, 32-bit), Windows 7 (64-bit, 32-bit) Single-touch: Windows XP (32-bit)
Video Signals	Input Terminals	DVI-I x 1, DisplayPort x 1	DVI-I x 1, DisplayPort x 1	DVI-D x 1, D-Sub mini 15 pin x 1	DVI-D x 1, DisplayPort x 1, D-Sub mini 15 pin x 1
	Digital Scanning Frequency (H / V)	31 - 76 kHz / 59 - 61 Hz	31 - 100 kHz / 59 - 61 Hz	31 - 64 kHz / 59 - 61 Hz	31 - 68 kHz / 59 - 61 Hz
	Analog Scanning Frequency (H / V)	26 - 76 kHz / 49 - 71 Hz	26 - 100 kHz / 49 - 76 Hz	24.8 - 80 kHz / 50 - 75 Hz	31 - 81 kHz / 55 - 76 Hz
	Sync Formats	Separate	Separate, Composite	Separate	Separate
USB	Function	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream	1 upstream, 2 downstream
	Standard	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Power	Power Requirements	AC 100 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	68 W	48 W	41 W	56 W
	Typical Power Consumption	31 W	19 W	19 W	21 W
	Power Save Mode	Less than 0.5 W	Less than 0.5 W	Less than 0.8 W	Less than 0.7 W
	Power Management	Digital: DVI DMPM, DisplayPort 1.1a Analog: VESA DPM	Digital: DVI DMPM, DisplayPort 1.1a Analog: VESA DPM	Digital: DVI DMPM Analog: VESA DPM	Digital: DVI DMPM, DisplayPort 1.1a Analog: VESA DPM
Sensor		Backlight Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor	Backlight Sensor	—
OSD Languages		English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese
Physical Specifications	Net Weight	8.7 kg	8.0 kg	6.2 kg	6.6 kg
	Net Weight (Without Stand)	6.0 kg	5.4 kg	4.4 kg	6.0 kg
	Hole Spacing (VESA Standard)	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm
Certifications & Standards [1]		CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, CCC, EAC
FDA 510(k) Clearance [1,2,3]		Yes (for General Radiography)	Yes (for General Radiography)	—	—
Supplied Accessories [4]		AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort) , USB cable, Utility Disk (RadiCS LE, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, user's manual)	AC power cord, signal cable (DVI-D - DVI-D), USB cable, Utility Disk (RadiCS LE, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, audio cable, touch pen, holder for touch pen, Utility Disk (user's manual), cleaning cloth
Warranty		Five Years	Five Years	Five Years	Three Years

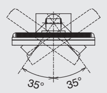
Dimensions (Unit: mm)

Swivel

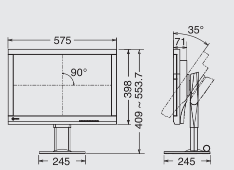
MX242W, MX215 :

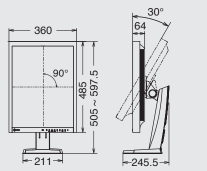


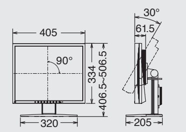
MX191 :

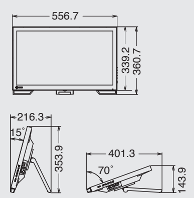


• *Swivel not supported with MS235WT.*





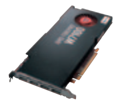
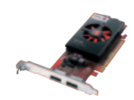




[1] *Please contact the EIZO group company or distributor in your country for the latest information.*
[2] *Use FDA 510(k) Clearance monitor for diagnosis.*
[3] *General radiography clearance models does not support display of mammography images for diagnosis.*
[4] *May vary by country. Please contact EIZO for details.*

Graphics Boards

To get the most out of the extraordinary capabilities of our high-definition RadiForce monitors, we recommend that you use them with one of EIZO's dedicated graphics boards. Each board is used to specifically support RadiForce medical monitor solutions and achieves the native resolution and high performance required for making precise diagnoses.

	MED-X90	MED-X70	MED-X50LP	MED-X30LPB	Xenia Pro	Xenia
						
Bus Interface	PCI-Express x16(Auxiliary power supply is required.)	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16
Compatible OS	Windows 10, 8.1, 7	Windows 10, 8.1, 7	Windows 10, 8.1, 7	Windows 10, 8.1, 7	Windows 7, Vista, XP	Windows 7, Vista, XP
Frame Buffer Memory	8 GB	4 GB	2 GB	2 GB	1 GB	512 MB
Display Grayscale Tones / Colors	10-bit, 8-bit	10-bit, 8-bit	10-bit, 8-bit	10-bit, 8-bit	10-bit, 8-bit	10-bit, 8-bit
Output Terminals	DisplayPort x 4 (Daisy chain supported), DisplayPort - DVI-D cable x 1	DisplayPort x 4 (Daisy chain supported), DisplayPort - DVI-D cable x 1	Mini DisplayPort x 4 (Daisy chain supported), Mini DisplayPort - DVI-D cable x 1, Mini DisplayPort - DisplayPort cable x 2	DisplayPort x 2 (Daisy chain supported)	DVI-I x 3	DVI-I x 3
Maximum Connected Monitors	Four Monitors	Four Monitors	Four Monitors	Two Monitors	Three Monitors	Three Monitors
Maximum Power Consumption	150 W	75 W	50 W	26 W	36.3 W	34.3 W
Slot (s)	1	1	1	1	1	1
Chassis	Standard	Standard	Standard & Low-Profile	Standard & Low-Profile	Standard	Standard
Dimensions (W x H)	243 x 111 mm	173 x 111 mm	167.6 x 69 mm	167.6 x 69 mm	167.6 x 111.1 mm	167.6 x 111.1 mm
RX850	Recommended	YES	YES	YES	Recommended	—
RX660	Recommended	YES	YES	YES	—	—
RX440	YES	Recommended	YES	YES	Recommended	—
GX550	Recommended	YES	YES	YES	Recommended	—
GX340	YES	Recommended	YES	YES	YES	Recommended
RX350	YES	Recommended	YES	YES	YES	YES
GX240	YES	YES	Recommended	YES	YES	Recommended
RX250	YES	YES	Recommended	YES	YES	Recommended
MX242W	YES	YES	YES	Recommended	YES	Recommended
MX215	YES	YES	YES	Recommended	YES	Recommended
MX191	YES	YES	YES	Recommended	YES	Recommended
MS235WT	YES	YES	YES	Recommended	YES	Recommended

Graphics board compatibility is subject to change without notice. Please check EIZO website for updates.

Monitor Quality Control Solutions

RadiCS UX1

Monitor Quality Control Tool

Compatible Monitors	RadiForce Monitors
Compatible Operating Systems	Windows 10, Windows 8.1, Windows 8, Windows 7 SP1, Windows Vista SP2, OS X Yosemite (10.10), OS X El Capitan (10.11)
Display Functions	DICOM Part 14 GSDF, CIE, Exponential (gamma value), Log Linear, Linear, User definition
Interface	USB, RS232C, DDC, DDC / CI
Languages	English, German, Japanese, Chinese, French
Package Contents	RadiCS DVD-ROM (RadiCS, user's manual), UX1 Sensor

RadiCS Version Up Kit

Software for upgrading RadiCS.

RadiCS Client License

A license to use RadiCS with other commercially available monitors.

RadiNET Pro

Network QC Management Software

Manageable Number of PCs / Monitors	RadiNET Pro: 1000 PCs / 8000 Monitors Maximum RadiNET Pro Starter Edition: 20 Monitors Maximum
Administrator PC Browser	Microsoft Windows Internet Explorer 11.0 / 10.0 / 9.0 Google Chrome 52.0, Microsoft Edge 25.1
Administrator PC Resolution	1024 x 768 Minimum
Server PC Operating Systems	Windows Server 2012 R2 Standard Windows Server 2008 R2 Standard Edition SP1 Windows Server 2008 Standard Edition SP2 Windows 7 SP1 64-bit
Server PC Database	SQL Server Standard / Express Edition 2014 SP1 SQL Server Standard / Express Edition 2012 SP1 SQL Server Standard / Workgroup / Express Edition 2008 R2 SP2 SQL Server Standard / Workgroup / Express Edition 2008 SP3
Server PC Hard Disk Drive	100 GB Minimum
Server PC Memory	4 GB Minimum
Languages	English, German, Japanese, Chinese, French

10 Monitor Access License

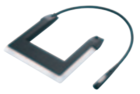
for RadiNET Pro Starter Edition

Monitor Access License must be purchased for every 10 additional monitors when using RadiNET Pro Starter Edition.

Accessory

RadiLight

Comfort Light for Reading Rooms



Cabinet Color	Black
Power Requirements	USB power
Weight	370 g
Dimensions (W x H x D)	184 x 185.5 x 15.7 mm
Certifications & Standards	CE, IEC60950-1, CSA C22.2 No. 60950-1, VCCI-B, FCC-B, CAN ICES-3(B), RCM, RoHS, China RoHS, WEEE, EAC
Supplied Accessories	dedicated cable, user's manual, mounting bracket, spacers, screws

EIZO Corporation
153 Shimokashiwano, Hakusan, Ishikawa 924-8566 Japan
Phone +81-76-277-6792 Fax +81-76-277-6793
www.eizoglobal.com

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