EIZO®

Medical Monitor Solutions

RadiForce®

extracting the essence.

EIZO — The Visual Technology Company

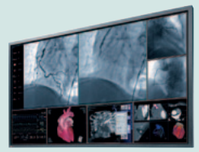
Comprehensive Solutions

EIZO integrates hardware and software technologies with consulting, web hosting, and other services for customers in a wide range of fields.

FlexScan
Business Enterprise Monitor Solutions

ColorEdge
Color Management Monitor Solutions

FORIS
Gaming Monitors



CuratOR
Operating Room Solutions

RadiForce
Medical Monitor Solutions

DuraVision
Industrial Monitor Solutions

Raptor I Re/Vue
Air Traffic Control Visual Display Solutions

Integrated Approach

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

R&D

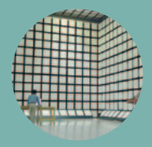
To incorporate the latest technologies in our products, we follow a unique in-house research and development production model.

Printed Circuit Boards

We apply our in-house production model to the production of our own printed circuit boards (PCBs) that are used in each EIZO monitor — essential to providing comprehensive quality control.

Manufacturing

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



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.

45+ years of expertise

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.

Global Reach

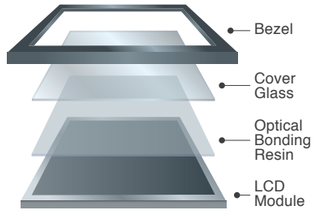
EIZO products are highly regarded in many specialty fields throughout the world because of their accurate and stable image display. EIZO is based in Japan and is represented in over 80 countries by a network of group companies and exclusive distributors.

Innovative Technology

Visibility-Enhancing Technology

Smart Resolution blur-reduction technology ensures noise is not accentuated while correcting blurred areas. It sharpens the foregound more strongly to maintain a real-world sense of focus.

Defog enhances images that are affected by fog, or other environment factors that cause the video to appear hazy or unclear.

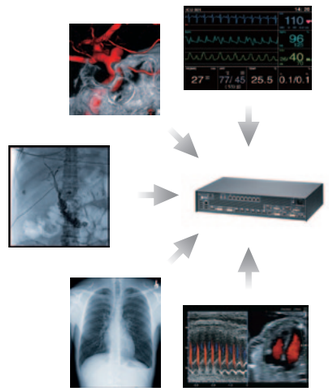


In-House Optical Bonding

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.

IP Security Monitors

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



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.

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 6-7 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 8-9 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 12-17 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.

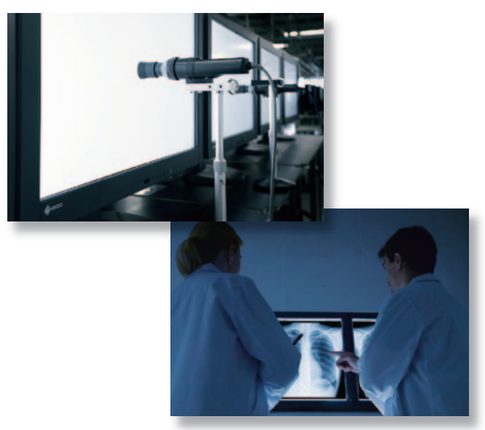
▸▸ *See page 18-19 for details.*

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.

Make the Precise Diagnosis

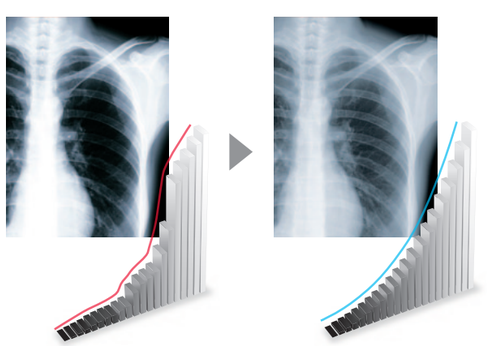
EIZO carefully measures and sets each and every grayscale tone to create a monitor compliant with DICOM Part 14. This ensures the most consistent shading possible, allowing you to make the most accurate diagnosis.
MS models also feature a DICOM preset mode for optimal medical image viewing.



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.

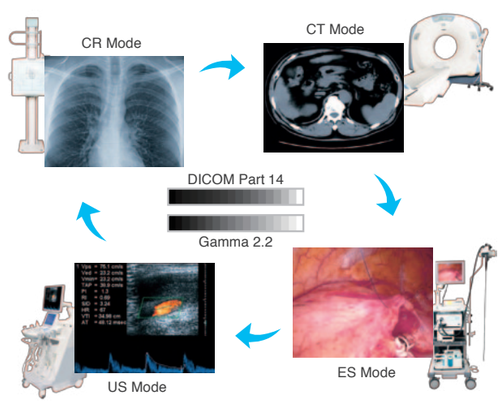
RadiCS LE not bundled with the MS235WT.



Select the Ideal Mode for Modalities

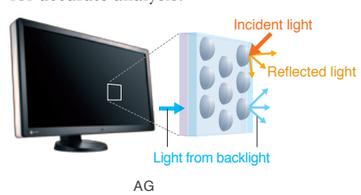
The CAL Switch function allows you to choose various modes for different modalities such as CR, CT, and endoscopy. It can be conveniently accessed using the monitor's front panel buttons to easily switch to optimal image viewing conditions.

Number or type of the modes vary by model.

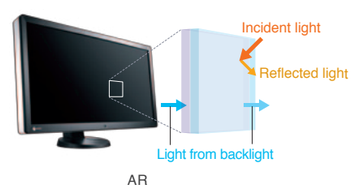


Reduce Reflections for Image Clarity

Anti-reflection (AR) coating greatly reduces reflections caused by outside light without affecting the light emitting from the monitor. This makes AR preferred over AG (anti-glare) treatments which cause blacks to appear washed out due to diffusion of the backlight. Monitors with AR coating display digital mammography, chest X-ray, and other high-resolution images with more clarity for accurate analysis.



AG

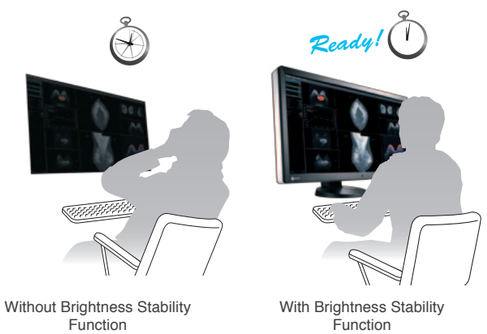


AR

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.



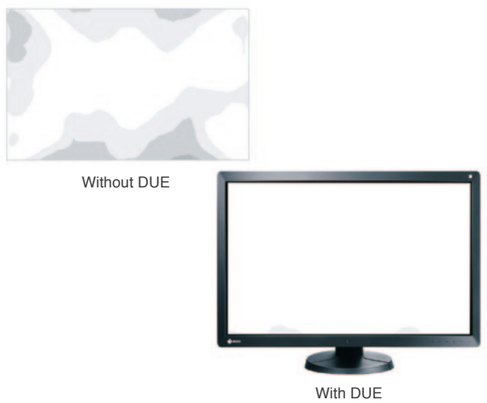
Without Brightness Stability Function

With Brightness Stability Function

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 RS110, MX191, and MS235WT.



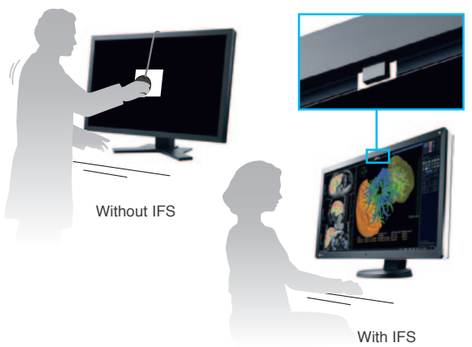
Without DUE

With DUE

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 RS110, MX242W, MX191, and MS235WT.



Without IFS

With IFS

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.

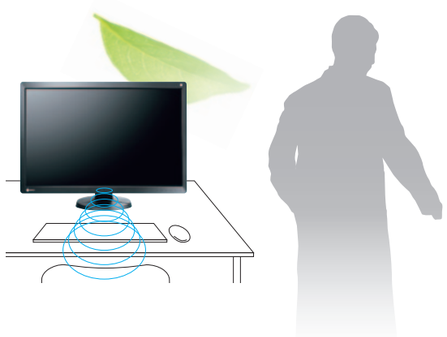
All models except the MX191 and MS235WT.

Comfortably View from Any Angle

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 feature 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.



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.

Rest Assured with Medical Qualifications

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

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 RX650
76 cm (30") Color LCD Monitor

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

A New Paradigm of Multi-Modality Imaging

An introduction to the multi-modality approach and the beneficial features of multi-modality monitors.

www.eizoglobal.com/i/mm/

Streamline Your Workflow

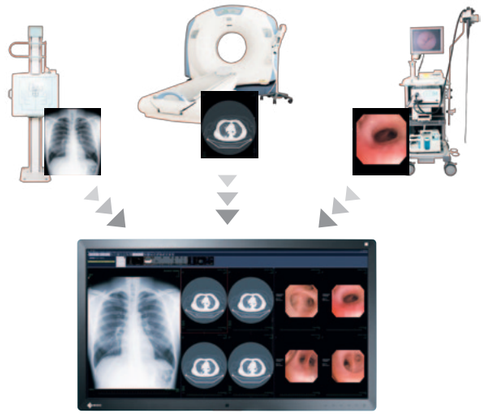
RadiForce multi-modality monitors are capable of displaying 4, 6, or 8 megapixels of information volume without the obtrusive bezels typically found in a multi-monitor setup. Multi-modality solutions give plenty of room to display all necessary imaging applications at once to streamline the radiology workflow and enhance overall efficiency.

Pulmonology

Gastroenterology

Multi-Modality Readiness

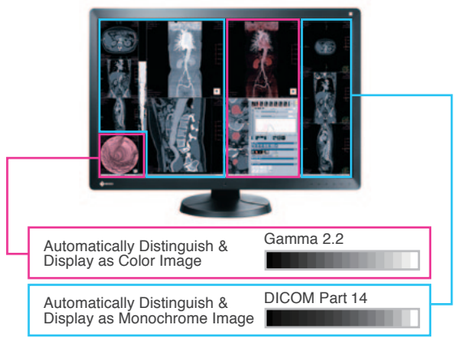
Multi-modality monitors are capable of displaying images to suit a number of modalities such as CR, DR, MRI, CT, and ultrasound. With multi-modality support, you can increase work efficiency with the ability to view numerous medical images on one screen with exceptional accuracy.



Optimize Color & Monochrome Brightness

EIZO's unique Hybrid Gamma function distinguishes whether the images being displayed are monochrome or color and displays each image in optimal brightness and tone, even when viewed on the screen at the same time. This expands the usability of PACS applications by allowing accurate review of color and monochrome mix images.

Accuracy in distinguishing between monochrome and color images may depend on how they are aligned.
Viewer software compatibility verification is required.



Conveniently View Images Side-by-Side

Two screens from separate input signals can be displayed simultaneously on one monitor. The bezel-less widescreen enables simplified and flexible operation when it is necessary to view images side-by-side.

Digital Mammography 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 GX540
54 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

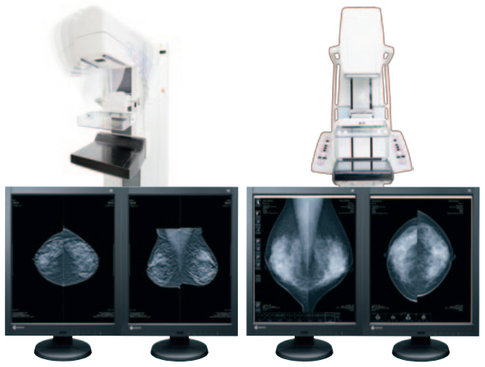
See how EIZO's 8 megapixel medical monitor demonstrates high reader efficiency in mammography compared to dual 5 megapixel monitors.

www.eizoglobal.com/i/dr_krupinski/

Features

Optimum Breast Screening Monitor

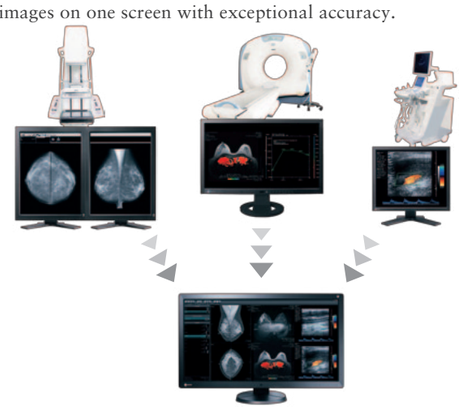
The RadiForce GX540 has obtained FDA 510(k) clearance by the U.S. Food and Drug Administration for breast tomosynthesis and mammography. This ensures that the monitor is capable of displaying detailed breast screening images where high performance is essential.



Breast Tomosynthesis　　Mammography

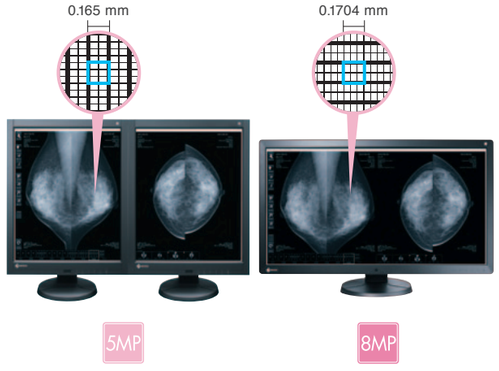
Maintain High Performance

Having received FDA 510(k) clearance for mammography and general radiography from the U.S. Food and Drug Administration, the RadiForce RX850 is not only capable of displaying MRI, CT, and ultrasound images, but also digital 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.



Bring Out the Finest Details

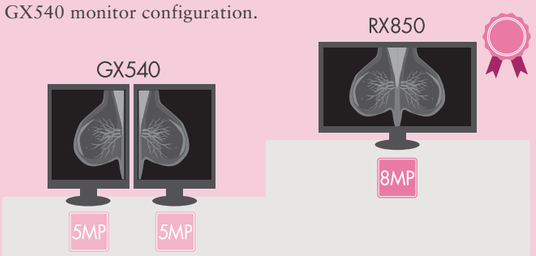
RadiForce RX850's tight pixel pitch is 0.1704 displays high resolutions images pixel by pixel with exceptional detail even when compared to a 5 megapixel monitor such as the RadiForce GX540. The RX850 also offers a high contrast ratio of 1450:1 to accurately render finder details.



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 RadiForce GX540 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. The space-efficient 1 megapixel monitors are ideal for referral imaging and review of CT and MRI images in a PACS environment.

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

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

1MP RS110
48 cm (19") Color LCD Monitor

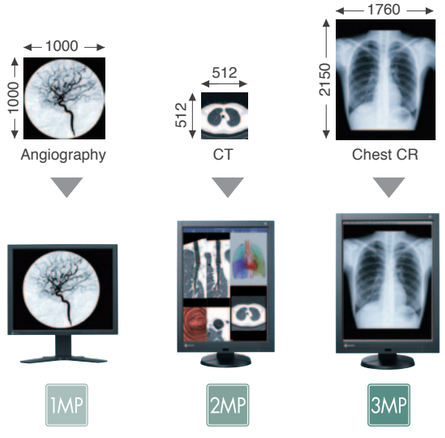
3MP RX350
54.1 cm (21.3") Color LCD Monitor

2MP RX240
54 cm (21.3") Color LCD Monitor

Features

Support Images for Specializations

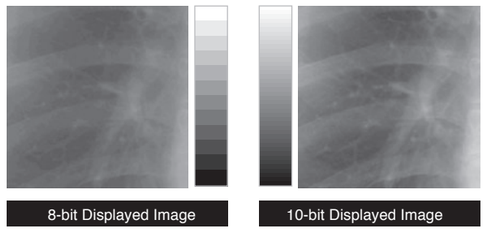
A full lineup of RadiForce diagnostic monitors provides you with an optimal selection to display the type of medical images you need for many fields. Selecting a monitor with the appropriate resolution to support particular images ensures proper support for the image volume.



Discern Subtleties in Grayscale Tones

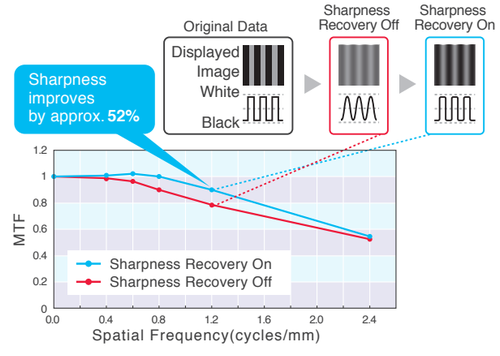
The GX340 and GX240 10-bit (1,024 tones) simultaneous grayscale display reproduces monochrome images with a high bit-depth for a sharper, clearer result.

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



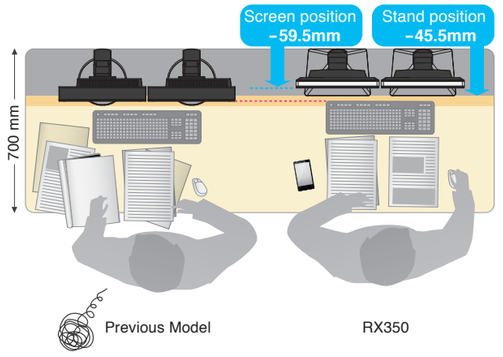
Sharpness Recovery

All high-brightness LCD panels exhibit a decrease in sharpness of the original image due to aperture ratio of the pixels becoming larger. With RX350, EIZO's unique technology Sharpness Recovery restores lost information in contours, resulting in an image shown with maximum clarity. When Sharpness Recovery is turned on, in the case of a 2 pixel line pair the MTF (Modulation Transfer Function) increases by approximately 52% (spatial frequency of 1.182 cycles/mm), resulting in a more clearly defined image.



Save Work Space with Sleek Cabinet Design

The black front bezels are ideal for viewing the screen in dark reading rooms, making it easier to focus on images, while the original white stripe around the sides of the RX350 monitor presents a fresh, clean aesthetic. The RX350 monitor's size was reduce by 22 mm, 39 mm, and 45.5 mm respectively – 30% less space than its predecessor, saving more workspace for other tasks.



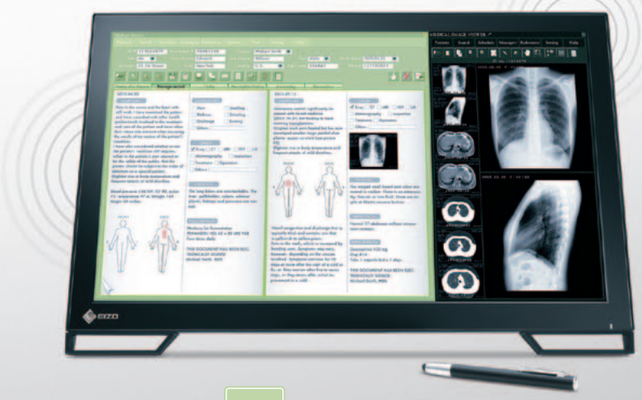
Clinical Review Monitors

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") Color LCD Monitor



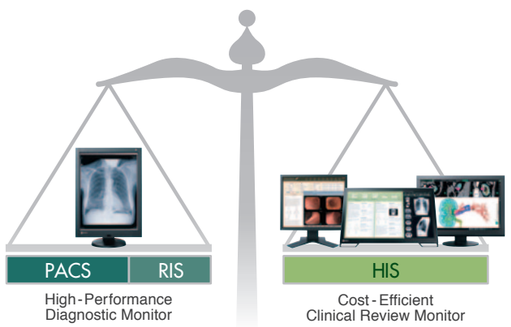
2MP MS235WT
58cm (23") Multitouch Color LCD Monitor

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

Features

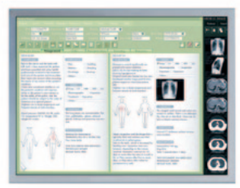
Stay Cost Efficient

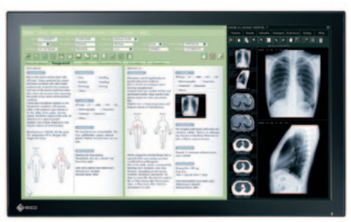
For environments using clinical record applications for image referencing, more cost-efficient solutions are available with the MX Series, so you can continue to review medical images optimized for DICOM Part 14 while ensuring higher savings.



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.

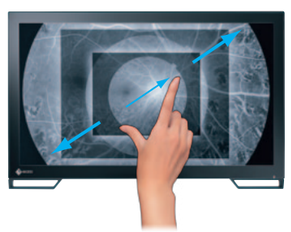




Easily Interact with Images

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 monitor manufacturing, EIZO offers monitor quality control solutions for diagnostic precision and comprehensive management to contribute to the improvement of the quality of medical care.

Quality Control Software
RadiCS™

Network QC Management Software
RadiNET® Pro Starter Edition
[For Small & Medium Sized Hospitals]
RadiNET® Pro
[For Large Sized Hospitals]
Network QC Management Server Providing
RadiNET® Pro Web Hosting

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/

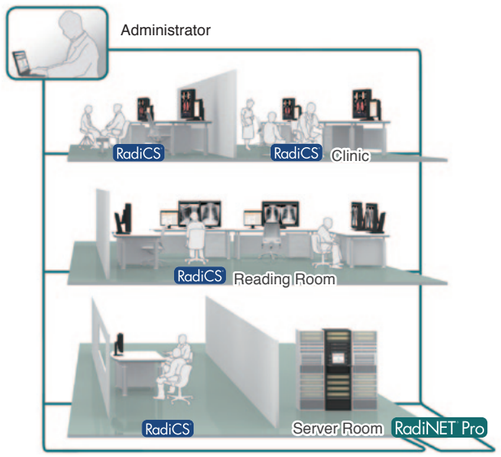
Features

Ensure Precise Quality Control

RadiCS quality control software provides total support for the quality maintenance and control of client monitors, covering everything from calibration to acceptance and constancy tests, calibration asset, and historical management. Complying with AAPM, DIN, IEC, and other international QC standards, RadiCS enables precise QC with intuitive, easy-to-follow procedures.

Keep Monitor Management Organized

RadiNET Pro network QC management software enables centralized management of calibration tasks, data history of multiple RadiCS clients via a network, and remote QC functions, significantly saving on costs related to complicated QC management.

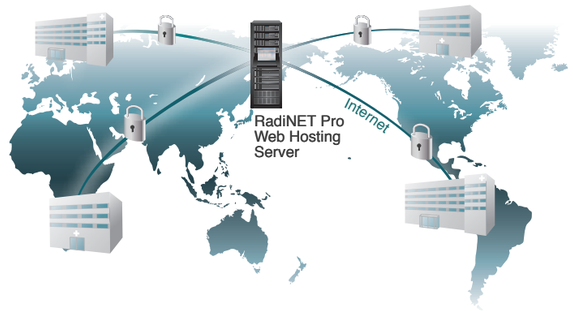


Mobile Control Made Easy

Monitor administrators can access the QC server anytime, from any location where their web-enabled mobile device has Internet connectivity. This helps administration personnel to work remotely saving both the time and expense of on-site visits and improves the speed of the QC work flow.

Stay Worry-Free with Server Hosting

Instead of installing and setting up your own network QC management server in your hospital, EIZO will host the server for you. RadiNET Pro Web Hosting will free you from concern for initial investment and running cost. EIZO provides expert maintenance services for server operation which will give you the reassurance you need for monitor QC.



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 medical professionals, we always have one goal in mind:

extracting the essence.

Diagnostic Monitors
RadiForce G&R-Series

Digital Mammography Monitors
RadiForce Mammo-Series

Clinical Review Monitors
RadiForce MX-Series

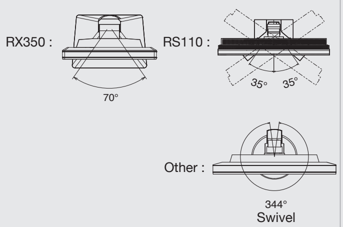
Multi-Modality Monitors
RadiForce Multi-Series

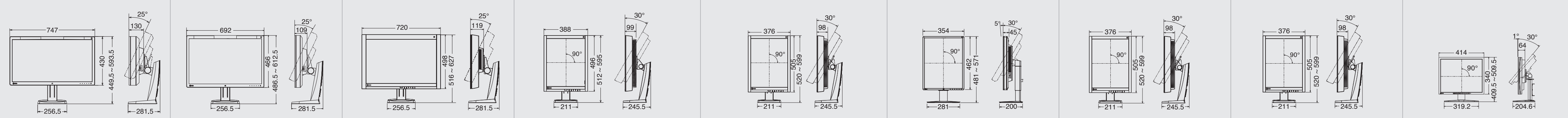
Monitor Quality Control Solutions
RadiCS & RadiNET Pro

Specifications

		8MP RadiForce RX850	6MP RadiForce RX650	4MP RadiForce RX440	5MP RadiForce GX540	3MP RadiForce GX340	3MP RadiForce RX350	2MP RadiForce GX240	2MP RadiForce RX240	1MP RadiForce RS110
Model Variations		RX850: Anti-Glare coating RX850-AR: Anti-Reflection coating	RX650: Anti-Glare coating RX650-AR: Anti-Reflection coating	—	GX540-CL: Clear Base GX540-CL-P: Pairing	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	—	—
Cabinet Color		Black	Black	Black	Black	Black	Black	Black	Black	Black
Panel	Type	Color (IPS)	Color (IPS)	Color (IPS)	Monochrome (IPS)	Monochrome (IPS)	Color (IPS)	Monochrome (IPS)	Color (IPS)	Color (IPS)
	Backlight	LED	LED	LED	LED	LED	LED	LED	LED	CCFL
	Size	79 cm / 31.1"	76 cm / 30"	76 cm / 29.8"	54 cm / 21.3"	54 cm / 21.3"	54.1 cm / 21.3"	54 cm / 21.3"	54 cm / 21.3"	48 cm / 19"
	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)	1280 x 1024 (5:4 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	376.3 x 301.0 mm
	Pixel Pitch	0.1704 x 0.1704 mm	0.197 x 0.197 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	0.294 x 0.294 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) : 1,024 from a palette of 16,369 tones 8-bit: 256 from a palette of 16,369 tones	10-bit (DisplayPort) : 1,024 from a palette of 16,369 tones 8-bit: 256 from a palette of 16,369 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) : 1,024 from a palette of 16,369 tones 8-bit: 256 from a palette of 16,369 tones	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 1.06 billion colors
	Viewing Angles (H / V, typical)	178° / 178°	176° / 176°	176° / 176°	176° / 176°	176° / 176°	178° / 178°	176° / 176°	176° / 176°	176° / 176°
	Brightness (typical)	850 cd/m^2	800 cd/m^2	750 cd/m^2	1,200 cd/m^2	1,200 cd/m^2	1,000 cd/m^2	1,200 cd/m^2	760 cd/m^2	290 cd/m^2
	Recommended Brightness for Calibration	500 cd/m^2	400 cd/m^2	400 cd/m^2	500 cd/m^2	500 cd/m^2	500 cd/m^2	500 cd/m^2	400 cd/m^2	170 cd/m^2
	Contrast Ratio (typical)	1450:1	1000:1	1100:1	1200:1	1400:1	1500:1	1400:1	1200:1	800:1
	Response Time (typical)	20 ms (on / off)	30 ms (on / off)	20 ms (on / off)	25 ms (on / off)	40 ms (on / off)	25 ms (on / off)	40 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 2, DisplayPort x 2 (two inputs are required)	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	DVI-I x 1, D-Sub mini 15 pin x 1
	Output Terminals	—	—	—	—	—	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 - 129 kHz / 29 - 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 / 24 - 61 Hz Frame synchronous mode: 24.5 - 25.5 Hz, 49 - 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	30 - 65 kHz / 59 - 61 Hz
	Analog Scanning Frequency (H / V)	—	—	—	—	—	—	—	—	30 - 82 kHz / 49 - 86 Hz (1280 x 1024: 49 - 76 Hz) Frame synchronous mode: 57.5 - 62 Hz
	Sync Formats	—	—	—	—	—	—	—	—	Separate, Composite, Sync-on-Green
USB	Function	1 upstream, 2 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	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	USB 2.0
Power	Power Requirements	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	AC 100 - 120 V, 200 - 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 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	227 W	225 W	167 W	108 W	90 W	89 W	76 W	105 W	55 W
	Typical Power Consumption	111 W	108 W	84 W	47 W	36 W	46 W	29 W	52 W	31 W
	Power Save Mode	Less than 6 W	Less than 6 W	Less than 0.7 W	Less than 0.7 W	Less than 1.6 W	Less than 1 W	Less than 1.6 W	Less than 1.6 W	Less than 1.3 W
	Power Management	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.2a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	Digital: DVI DMPM Analog: VESA DPM
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	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	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)	20.2 kg (AC adapter included)	20.2 kg	11.5 kg	10.2 kg	8.1 kg	10.2 kg	10.2 kg	7.2 kg
	Net Weight (Without Stand)	15.8 kg	13.6 kg	16.0 kg	8.8 kg	7.5 kg	5.3 kg	7.5 kg	7.5 kg	5.3 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	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, Canadian ICES-003-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, Canadian ICES-003-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, Canadian ICES-003-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, Canadian ICES-003-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, Canadian ICES-003-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, Canadian ICES-003-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, Canadian ICES-003-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, Canadian ICES-003-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, Canadian ICES-003-B, RCM, RoHS, China RoHS, WEEE, CCC, EAC
FDA 510(k) Clearance [1,2,3]		Yes (for Mammography and General Radiography)	Yes (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)	Yes (for General Radiography)
Supplied Accessories [4]		AC power cord, AC adapter, dual link signal cable (DVI-D - DVI-D) x 2, signal cable (DisplayPort - DisplayPort) x 2, USB cable, holder for power cord, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, AC adapter, dual link signal cable (DVI-D - DVI-D) x 2, signal cable (DisplayPort - DisplayPort) x 2, USB cable, holder for power cord, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, dual link signal cable (DVI-D - DVI-D), signal cable (DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical)	AC power cord, dual link signal cable (DVI-D - DVI-D), signal cable (DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, dual link signal cable (DVI-D - DVI-D), signal cable (DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, dual link signal cable (DVI-D - DVI-D), signal cable (DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, 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, ScreenManager Pro for Medical, user's manual)	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, signal cable (DVI-D - DVI-D), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical), ToneCurve Tuning Utility, user's manual, warranty card
Warranty		Five Years	Five Years	Five Years	Five Years	Five Years	Five Years	Five Years	Five Years	Five Years

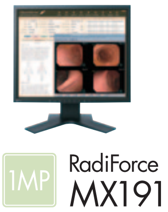
Dimensions (Unit: mm)





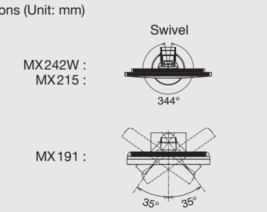
[1] Please contact the EIZO group company or distributor in your country for the latest information.
[2] Use FDA 510(k) Clearance monitor for diagnosis.
[3] General radiography clearance models does not support display of mammography images for diagnosis.
[4] May vary by country. Please contact EIZO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

Specifications

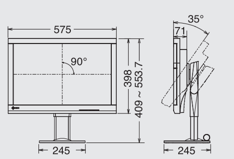


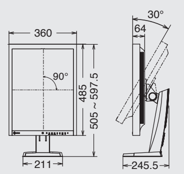
		RadiForce MX242W (2.3MP)	RadiForce MX215 (2MP)	RadiForce MX191 (1MP)	RadiForce MS235WT (2MP)
Cabinet Color		Black	Black	Black	Black
Panel	Type	Color (IPS)	Color (IPS)	Color (VA)	Color (IPS)
	Backlight	LED	LED	CCFL	LED
	Size	61 cm / 24.1"	54 cm / 21.3"	48 cm / 19"	58 cm / 23"
	Native Resolution	1920 x 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), 8 ms (midtone)	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 8.1 (64-bit, 32-bit), Windows 8 (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	43 W	56 W
	Typical Power Consumption	31 W	19 W	26 W	21 W
	Power Save Mode	Less than 0.5 W	Less than 0.5 W	Less than 0.8 W	Less than 0.5 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	7.2 kg	6.6 kg
	Net Weight (Without Stand)	6.0 kg	5.4 kg	5.2 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, Canadian ICES-003-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, Canadian ICES-003-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, Canadian ICES-003-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, Canadian ICES-003-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 cable (DVI-D - DVI-D, DisplayPort - DisplayPort) , USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, 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, ScreenManager Pro for Medical, user's manual)	AC power cord, signal cable (DVI-D - DVI-D), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	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

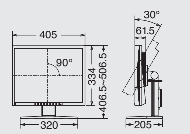
Dimensions (Unit: mm)

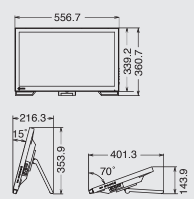


• Swivel not supported with MS235WT.





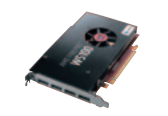
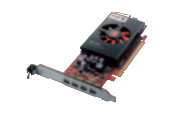
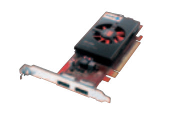




[1] *Please contact the EIZO group company or distributor in your country for the latest information.*
[2] *Use FDA 510(k) Clearance monitor for diagnosis.*
[3] *General radiography clearance models does not support display of mammography images for diagnosis.*
[4] *May vary by country. Please contact 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	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16
Compatible OS	Windows 8.1, 7 (Four output max)	Windows 8.1, 7 (Four output max)	Windows 8.1, 7 (Four output max)	Windows 8.1, 7 (Two output max)	Windows 7, Vista, XP (Three output max)	Windows 7, Vista, XP (Three output max)
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 Terminal	DisplayPort x 4 DisplayPort - DVI-D cable x 1	DisplayPort x 4 DisplayPort - DVI-D cable x 1	Mini DisplayPort x 4 Mini DisplayPort - DVI-D cable x 1, Mini DisplayPort - DisplayPort cable x 2	DisplayPort x 2	DVI-I x 3	DVI-I x 3
Maximum Power Consumption	150 W	75 W	50 W	26 W	36.3 W	34.3 W
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	—
RX650	Recommended	YES	YES	YES	YES	Recommended
RX440	YES	Recommended	YES	YES	Recommended	—
GX540	Recommended	YES	YES	YES	Recommended	—
GX340	YES	Recommended	YES	YES	YES	Recommended
RX350	YES	Recommended	YES	YES	YES	—
GX240	YES	YES	Recommended	YES	YES	Recommended
RX240	YES	YES	Recommended	YES	YES	Recommended
RS110	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	YES	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 Mountain Yosemite (10.10) OS X Mountain Mavericks (10.9)
Display Functions	DICOM Part 14 GSDF, CIE, Exponential (gamma value), Log Linear, Linear, Native, 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.

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.

RadiNET Pro Starter Edition

Network QC Management Software
[For Small & Medium Sized Hospitals]

RadiNET Pro

Network QC Management Software
[For Large Sized Hospitals]

Manageable Number of PCs / Monitors	RadiNET Pro Starter Edition: 20 Monitors Maximum RadiNET Pro: 1,000 PCs / 8,000 Monitors Maximum
Administrator PC Browser	Microsoft Windows Internet Explorer 11.0, 10.0, 9.0 Google Chrome 45.0
Administrator PC Resolution	1280 x 1024 Minimum
Server PC Operating Systems	Windows Server 2012 R2 Windows Server 2008 R2 Standard Edition SP1 Windows Server 2008 Standard Edition SP2 Windows 7 SP1Professional / Enterprise / Ultimate (64-bit)
Server PC Database	RadiNET Pro, RadiNET Pro Starter Edition: SQL Server 2012 Standard Edition SP1 SQL Server 2012 Express Edition SP1 SQL Server 2008 R2 Workgroup Edition SP2 SQL Server 2008 R2 Standard Edition SP2 SQL Server 2008 R2 Express Edition SP2 SQL Server 2008 Workgroup Edition SP3 SQL Server 2008 Standard Edition SP3 SQL Server 2008 Express Edition SP3 SQL Server 2005 Workgroup Edition SP4 SQL Server 2005 Standard Edition SP4 SQL Server 2005 Express Edition SP4
Server PC Hard Disk Drive	System installation capacity: 50 GB or more RadiNET Pro data storage area: 100 GB or more
Server PC Memory	4 GB Minimum
Languages	English, German, Japanese, Chinese, French

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