



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.

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 into our products, we follow a unique in-house research and development production model.



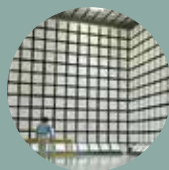
Printed Circuit Boards

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 electromagnetic interference (EMI) and susceptibility regulations. We also conduct long-life testing where our monitors are kept powered on for thousands of hours and their image quality is checked regularly.



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.



FlexScan
Business Enterprise
Monitor Solutions



ColorEdge
Color Management
Monitor Solutions



FORIS
Gaming Monitors

45+
years of
expertise

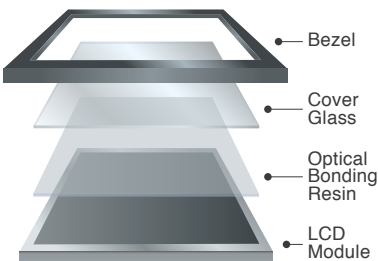
Innovative Technology



Visibility-Enhancing Technology

Smart Resolution blur-reduction technology ensures noise is not accentuated while correcting blurred areas. It sharpens the foreground 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 that allows the company to continue to meet the needs of professionals while ensuring each product maintains high quality standards.



CuratOR

Operating Room Solutions



RadiForce

Medical Monitor Solutions



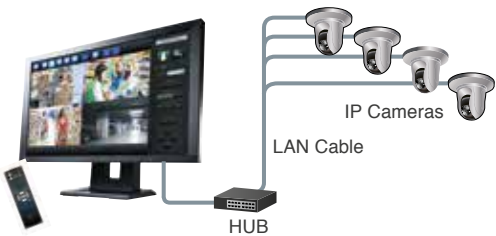
DuraVision

Industrial Monitor Solutions



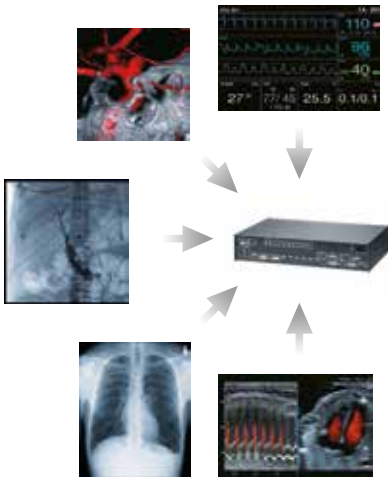
Raptor I Re/Vue

Air Traffic Control Visual Display Solutions



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.

Medical Monitor Solutions

RadiForce®

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



Common Features

Make a Precise Diagnosis

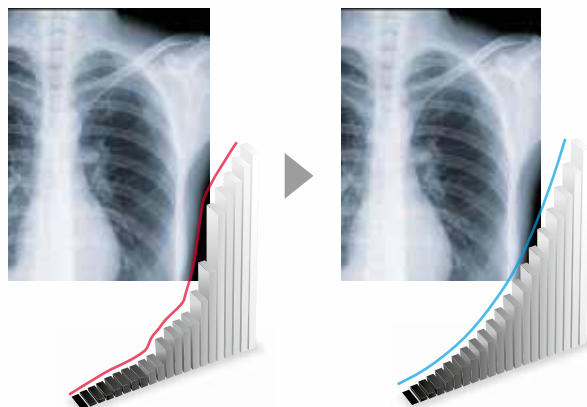
EIZO carefully measures and sets each and every grayscale tone to create a monitor compliant with DICOM Part 14. This ensures the most consistent shading possible, allowing you to make the most accurate diagnosis. MS models also feature a DICOM preset mode for optimal medical image viewing.



Maintain 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 is not bundled with the MS235WT.

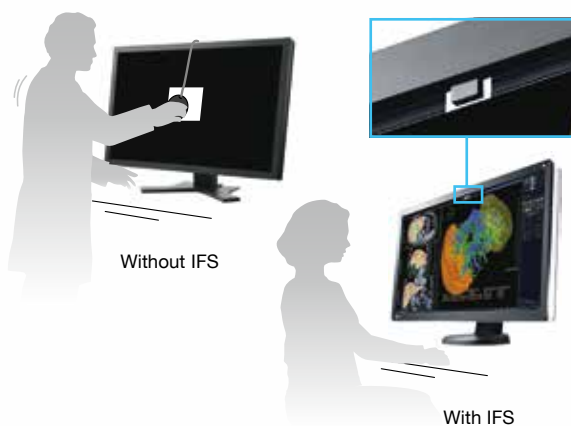




Manage Effortless Quality Control

An Integrated Front Sensor (IFS) housed within the front bezel measures brightness and grayscale tones and calibrates to the DICOM Part 14 standard. When used with the quality control software RadiCS, the sensor automatically executes constancy checks. 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 MS242W, MX191 and MS235WT.



Relax Your Eyes

In order to prevent reflections on the monitor screen caused by ambient light, reading rooms where radiologists carefully examine medical images are often kept dark. However, viewing a bright monitor in a dark environment over a long period can cause eyestrain and make it more difficult to see documents or other tools in the workstation. 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 to reduce eyestrain without impacting the visibility of the images on the screen. It is equipped with a spotlight called RadiLight Focus that allows you to check or read printed documents or see your keyboard and other tools.





Common Features

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, which quickly provides you with the most accurate images that are ready for viewing. Additionally, 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 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.



Without DUE



With DUE



Comfortably View from Any Angle

Wide viewing angles allow you to view the screen from the side with minimal color shift, which also permits more than one person to view the monitor comfortably at the same time.



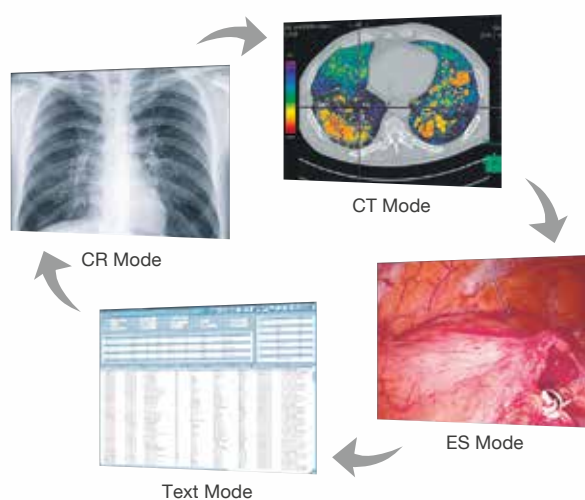
Narrow Viewing Angles

Wide Viewing Angles

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.

Mode numbers and types vary by model.

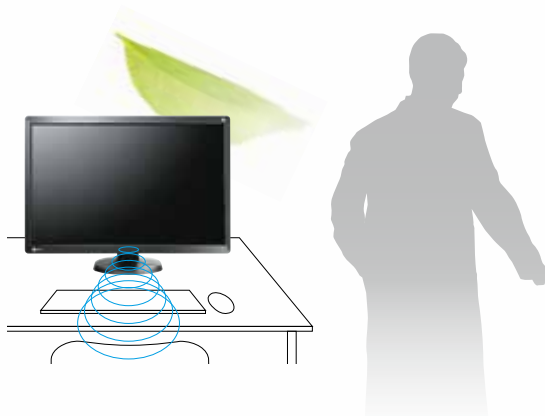




Common Features

Conserve Energy While Away

The presence sensor feature with which some models are equipped 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.

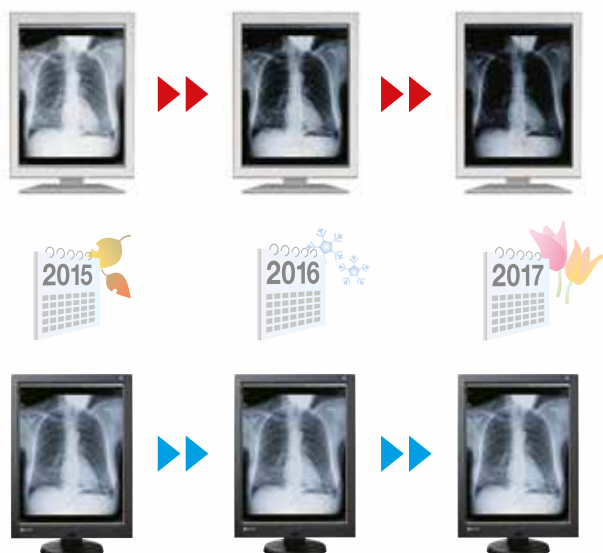




Stay Confident with Stable Brightness

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 MX-Series.



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

Features

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.



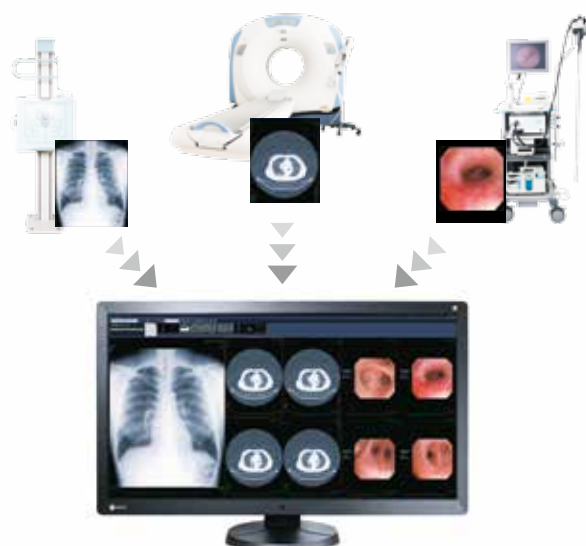
Pulmonology



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. The RadiForce RX850's 8MP high-resolution screen also displays digital mammography images in exceptional detail.





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

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, consistent and high-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

Features

Optimum Breast Screening Monitor

The RadiForce GX540 has obtained FDA 510(k) clearance from 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 for which high performance is essential.



Breast Tomosynthesis

Mammography

Maintain High Performance

Having received FDA 510(k) clearance for breast tomosynthesis, 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 breast tomosynthesis and digital mammography images for which 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.

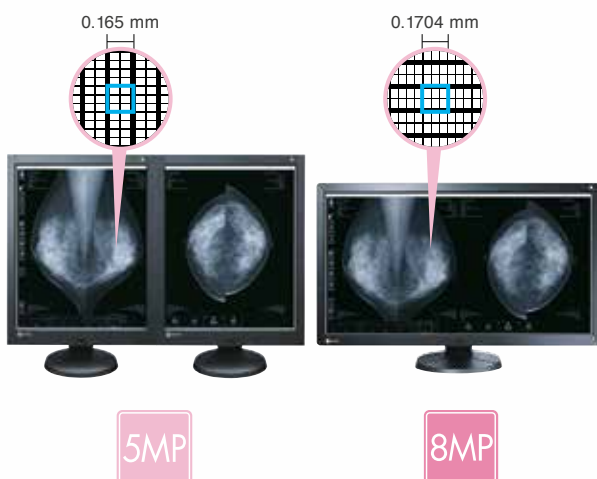




8MP **RX850** 
79 cm (31.1") Color LCD Monitor

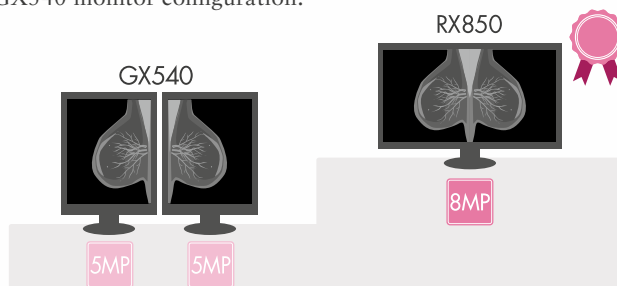
Bring Out the Finest Details

RadiForce RX850's tight pixel pitch of 0.1704 displays high-resolution 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 finer details.



RadiForce RX850 Improves Reader Efficiency

A research study conducted by the University of Arizona's 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

High-resolution 3 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.



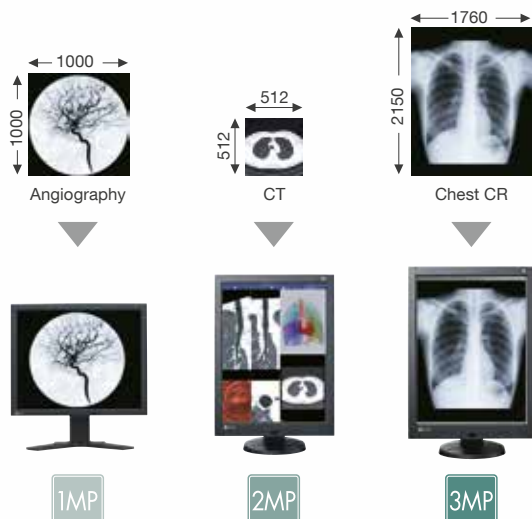
3MP GX340
54 cm (21.3") Monochrome LCD Monitor

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

Features

Support Images for Specializations

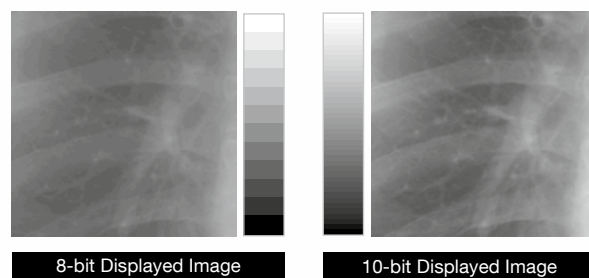
A full lineup of RadiForce diagnostic monitors provides you with an optimal selection to display the type of medical images you need for many fields. Selecting a monitor with the appropriate resolution to support particular images ensures proper support for the image volume.



Discern Subtleties in Grayscale Tones

The GX340 and GX240 10-bit (1024 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.





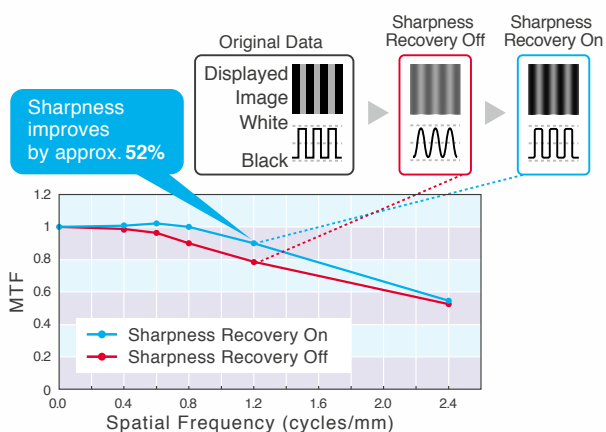
3MP RX350
54.1 cm (21.3") Color LCD Monitor



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

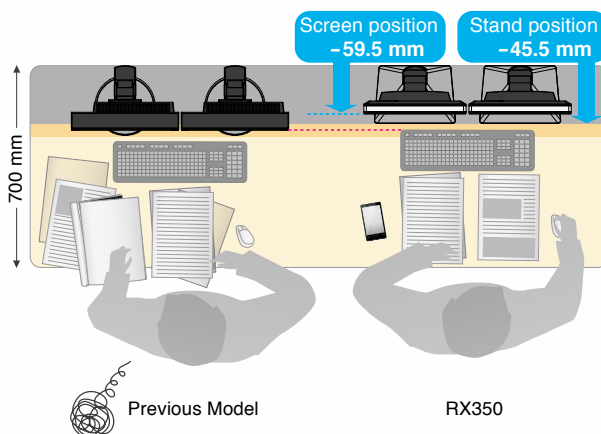
Sharpness Recovery

All high-brightness LCD panels exhibit a decrease in sharpness of the original image due to the aperture ratio of the pixels becoming larger. With RX350, EIZO's unique Sharpness Recovery technology 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 and RX250 monitors present a fresh, clean aesthetic. The RX350 monitor's size was reduced 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

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



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



1MP **MX191**
48 cm (19") Color LCD Monitor

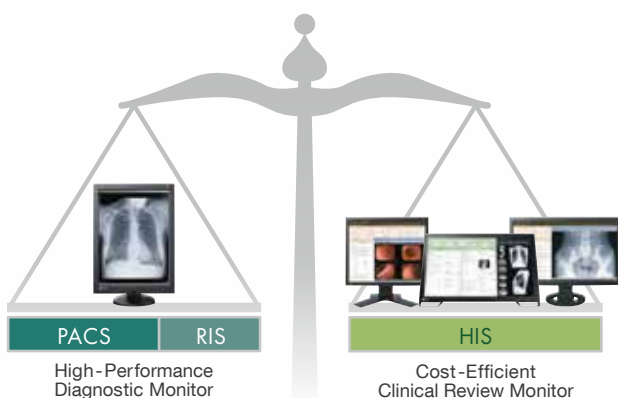
Features

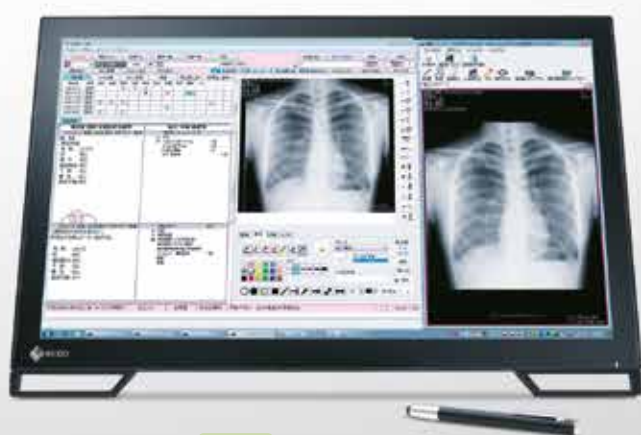
Stay Cost-efficient

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 for you to keep tool palettes open without covering the window you are working on.





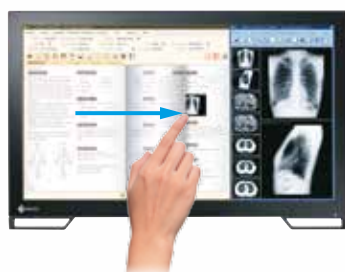
2MP MS235WT
58cm (23") Multitouch Color LCD Monitor



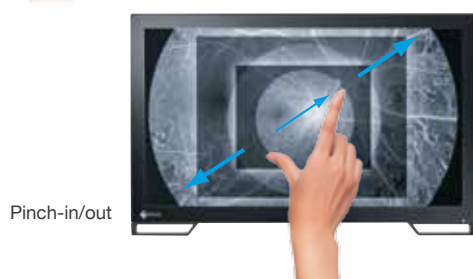
2MP MX215
54cm (21.3") Color LCD Monitor

Easily Interact with Images

Both intuitive and easy to work with, the MS235WT multitouch interface lets you tap, scroll, drag, pinch, and more 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 enables 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 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®



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, to 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 compared with complicated QC management.





Network QC Management Software
RadiNET Pro Starter Edition
 [For Small & Medium-sized Hospitals]

RadiNET Pro
 [For Large Hospitals]

Network QC Management Server Providing
RadiNET Pro Web Hosting

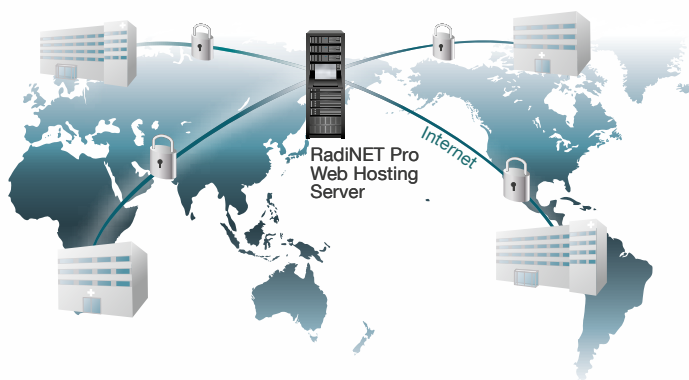
Mobile Control Made Easy

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 improving the speed of the QC workflow.



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 costs. EIZO provides expert maintenance services for server operation that 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

Multi-Modality Monitors

RadiForce Multi-Series

Clinical Review Monitors
RadiForce MX-Series



Digital Mammography Monitors
RadiForce Mammo-Series

Monitor Quality Control Solutions
RadiCS & RadiNET Pro



Specifications



8MP RadiForce
RX850



6MP RadiForce
RX650



4MP RadiForce
RX440



5MP RadiForce
GX540

Model Variations		–	–	–	GX540-CL: Clear Base GX540-CL-P: Pairing
Cabinet Color		Black	Black	Black	Black
Panel	Type	Color TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)	Monochrome TFT LCD Panel (IPS)
	Backlight	LED	LED	LED	LED
	Size	79 cm/31.1" (789 mm diagonal)	76 cm/30" (761 mm diagonal)	76 cm/29.8" (756 mm diagonal)	54 cm/21.3" (540 mm diagonal)
	Native Resolution	4096×2160 (17:9 aspect ratio)	3280×2048 (16:10 aspect ratio)	2560×1600 (16:10 aspect ratio)	2048×2560 (4:5 aspect ratio)
	Viewable Image Size (H×V)	697.9×368.0 mm	645.5×403.0 mm	641.2×400.8 mm	337.9×422.4 mm
	Pixel Pitch	0.1704×0.1704 mm	0.197×0.197 mm	0.2505×0.2505 mm	0.165×0.165 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
	Viewing Angles (H/V, typical)	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
	Recommended Brightness for Calibration	500 cd/m ²	400 cd/m ²	400 cd/m ²	500 cd/m ²
	Contrast Ratio (typical)	1450:1	1000:1	1100:1	1200:1
	Response Time (typical)	20 ms (On/Off)	30 ms (On/Off)	20 ms (On/Off)	25 ms (On/Off)
Video Signals	Input Terminal	DVI-D (dual link) × 2, DisplayPort × 2 (two inputs are required)	DVI-D (dual link) × 2, DisplayPort × 2 (two inputs are required)	DVI-D (dual link) × 1, DVI-D (single link) × 1, DisplayPort × 1	DVI-D (dual link) × 1, DisplayPort × 1
	Output Terminal	–	–	–	–
	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
USB	Function	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream
	Standard	Rev. 2.0	Rev. 2.0	Rev. 2.0	Rev. 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
	Maximum Power Consumption	227 W	225 W	167 W	108 W
	Typical Power Consumption	111 W	108 W	84 W	47 W
	Power Save Mode	Less than 6 W	Less than 6 W	Less than 0.7 W	Less than 0.7 W
Power Management		DVI DMPM, DisplayPort 1.1a	DVI DMPM, DisplayPort 1.1a	DVI DMPM, DisplayPort 1.1a	DVI DMPM, DisplayPort 1.1a
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
Physical Specifications	Net Weight	22.4 kg (AC adapter included)	20.2 kg (AC adapter included)	20.2 kg	11.5 kg
	Net Weight (Without Stand)	15.8 kg	13.6 kg	16.0 kg	8.8 kg
	Hole Spacing (VESA Standard)	100×100 mm	100×100 mm	200×100 mm und 100×100 mm	100×100 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, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R
FDA 510(k) Clearance ^{1,2,3}		Yes (for Breast Tomosynthesis and Mammography)	Yes (for General Radiography)	Yes (for General Radiography)	Yes (for Breast Tomosynthesis and Mammography)
Supplied Accessories		AC power cord, AC power supply, 2 Dual Link signal cables (DVI-D – DVI-D), 2 signal cables (DisplayPort – DisplayPort), USB cable, mount for power cable, utility disk (RadiCS LE, ScreenManager Pro Medical, user's manual, installation manual)	AC power cord, AC power supply, 2 Dual Link signal cables (DVI-D – DVI-D), 2 signal cables (DisplayPort – DisplayPort), USB cable, mount for power cable, utility disk (RadiCS LE, ScreenManager Pro Medical, user's manual, installation 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)	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)
Recommended Graphic Card		MED-X90/Xenia Pro	MED-X90/Xenia	MED-X70/Xenia Pro	MED-X90/Xenia Pro
Warranty		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 Only monitors with FDA 510(k) Clearance should be used when making a diagnosis.

³ Models with general radiography clearance do not support the display of mammography images for diagnoses.



3MP RadiForce
GX340



3MP RadiForce
RX350



2MP RadiForce
GX240



2MP RadiForce
RX250

GX340-CL: Clear Base GX340-CL-P: Pairing	–	GX240-CL: Clear Base GX240-CL-P: Pairing	–
Black	Black	Black	Black
Monochrome TFT LCD Panel (IPS)	Color (IPS)	Monochrome TFT LCD Panel (IPS)	Color (IPS)
LED	LED	LED	LED
54 cm/21.3" (541 mm diagonal)	54.1 cm/21.3"	54 cm/21.3" (540 mm diagonal)	54 cm/21.3"
1536×2048 (3:4 aspect ratio)	1536×2048 (3:4 aspect ratio)	1200×1600 (3:4 aspect ratio)	1200×1600 (3:4 aspect ratio)
324.8×433.1 mm	324.9×433.2 mm	324.0×432.0 mm	324.0×432.0 mm
0.2115×0.2115 mm	0.2115×0.2115 mm	0.270×0.270 mm	0.270×0.270 mm
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
176°/176°	178°/178°	176°/176°	178°/178°
1,200 cd/m²	1,000 cd/m²	1,200 cd/m²	800 cd/m²
500 cd/m²	500 cd/m²	500 cd/m²	400 cd/m²
1400:1	1500:1	1400:1	1400:1
40 ms (On/Off)	25 ms (On/Off)	40 ms (On/Off)	20 ms (On/Off)
DVI-D (dual link) × 1, DisplayPort × 1	DVI-D (dual link) × 1, DisplayPort × 1	DVI-D × 1, DisplayPort × 1	DVI-D × 1, DisplayPort × 1
–	DisplayPort (Daisy Chain)	–	DisplayPort (Daisy Chain)
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
1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream
Rev. 2.0	Rev. 2.0	Rev. 2.0	Rev. 2.0
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
90 W	89 W	76 W	79 W
36 W	46 W	29 W	38 W
Less than 1.6 W	Less than 1 W	Less than 1.6 W	Less than 1 W
DVI DMPM, DisplayPort 1.1a	DVI DMPM, DisplayPort 1.2a	DVI DMPM, DisplayPort 1.1a	DVI DMPM, DisplayPort 1.2a
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
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
10.2 kg	8.1 kg	10.2 kg	8.2 kg
7.5 kg	5.3 kg	7.5 kg	5.4 kg
100×100 mm	100×100 mm	100×100 mm	100×100 mm
CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	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, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	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
Yes (for General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)
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, PDF instructions for use, PDF installation manual), instructions for use
MED-X70/Xenia	MED-X70/Xenia	MED-X50LP/Xenia	MED-X50LP/Xenia
Five Years	Five Years	Five Years	Five Years

Suitability and recommendation of EIZO image reproduction devices for medical imaging procedures

For DIN6868-157

RadiCS application class	Body region/methods	RX850	RX650	RX440	GX540	GX340	RX350	GX240	RX250	MX242W	MX215	MX191
I.	Mammography	★			★							
II.	Stereotaxic mammograms	✓	✓	✓	✓	✓	★	✓	✓			
III.	Projection radiography (thorax, skeleton, abdomen)	✓	★	✓	✓	✓	★	✓	✓			
IV.	Fluoroscopy, all applications	✓	✓	✓	✓	✓	✓	★	★	✓	✓	
V.	Computer tomography	✓	✓	✓	✓	✓	✓	✓	✓	✓	★	
VI.	For RC 5: Dental digital volume tomography, intraoral X-ray diagnostics with dental X-ray tube heads, panoramic radiograms, cranial radiotelegraphy, dental tomography of cranium, manual images to determine skeletal growth	✓	✓	✓	✓	✓	★	✓	★	✓	✓	
VII.	For RC 6: Intraoral X-ray diagnostics with dental X-ray tube heads, panoramic radiograms, cranial radiotelegraphy, dental tomography of cranium, manual images to determine skeletal growth	✓	✓	✓	✓	✓	★	✓	★			
VIII.	Viewing	✓	✓	✓	✓	✓	✓	✓	✓	★	★	★

Other diagnostic imaging procedures

Ultrasound, nuclear medicine (e.g., PET), magnetic resonance imaging (MRI), endoscopy, and other film- and photo-based procedures (e.g., ophthalmology), microscopy, EIT, infrared imaging	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	★	
Veterinary medicine	✓	✓	✓	✓	✓	✓	✓	✓	✓	★	★	★

✓ Compatible ★ Recommended

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. The graphics boards are specially adapted to work with the quality control solution from EIZO. Their serial numbers, for example, can be automatically read out using EIZO RadiCS. In addition, it is also possible to run a three-screen solution with a single graphics board. EIZO offers technical support and guaranteed service for all boards.

	MED-X90	MED-X70	MED-X50LP	MED-X30LPB	Xenia Pro	Xenia
						
Bus Interface	PCI-Express ×16	PCI-Express ×16	PCI-Express ×16	PCI-Express ×16	PCI-Express ×16	PCI-Express ×16
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
Signal connectors	DisplayPort × 4	DisplayPort × 4	Mini DisplayPort × 4	DisplayPort × 2	DVI-I × 3	DVI-I × 3
Accessories	DisplayPort - DVI-D adaptor × 1	DisplayPort - DVI-D adaptor × 1	Mini DisplayPort - DVI-D adaptor × 1, Mini DisplayPort - DisplayPort adaptor × 2			
Daisy Chain Support	◆	◆	◆	◆	-	-
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×H)	243×111 mm	173×111 mm	167.6×69 mm	167.6×69 mm	167.6×111.1 mm	167.6×111.1 mm
 RX850	★	✓	✓	✓	★	-
 RX650	★	✓	✓	✓	✓	★
 RX440	✓	★	✓	✓	★	-
 GX540	★	✓	✓	✓	★	-
 GX340	✓	★	✓	✓	✓	★
 RX350	✓	★	✓	✓	✓	★
 GX240	✓	✓	★	✓	✓	★
 RX250	✓	✓	★	✓	✓	★
 MX242W	✓	✓	✓	★	✓	★
 MX215	✓	✓	✓	★	✓	★
 MX191	✓	✓	✓	★	✓	★
 MS235WT	✓	✓	✓	★	✓	★

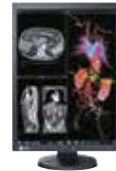
✓ Compatible ★ Recommended

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

Specifications



2.3MP RadiForce
MX242W



2MP RadiForce
MX215



1MP RadiForce
MX191



2MP RadiForce
MS235WT

Cabinet Color		Black	Black	Black	Black
Panel	Type	Color TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)	Color TFT LCD Panel (VA)	Color TFT LCD Panel (IPS)
	Backlight	LED	LED	CCFL	LED
	Size	61 cm/24.1" (611 mm diagonal)	54 cm/21.3" (540 mm diagonal)	48 cm/19" (481 mm diagonal)	58 cm/23" (584 mm diagonal)
	Native Resolution	1920×1200 (16:10 aspect ratio)	1200×1600 (3:4 aspect ratio)	1280×1024 (5:4 aspect ratio)	1920×1080 (16:9 aspect ratio)
	Viewable Image Size (H×V)	518.4×324.0 mm	324.0×432.0 mm	376.3×301.0 mm	509.1×286.4 mm
	Pixel Pitch	0.270×0.270 mm	0.270×0.270 mm	0.294×0.294 mm	0.2652×0.2652 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/m²	420 cd/m²	300 cd/m²	260 cd/m²
	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 8 (64-bit, 32-bit), Windows 7 (64-bit, 32-bit) Single-touch: Windows XP (32-bit)
Video Signals	Input Terminal	DVI-I × 1, DisplayPort × 1	DVI-I × 1, DisplayPort × 1	DVI-D × 1, D-Sub mini 15 pin × 1	DVI-D × 1, DisplayPort × 1, D-Sub mini 15 pin × 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	Rev. 2.0	Rev. 2.0	Rev. 2.0	Rev. 2.0
Power	Power Requirements	100–240 V AC: 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	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 Specifi- cations	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)	100×100 mm	100×100 mm	100×100 mm	100×100 mm
Certifications & Standards ¹		CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 Nr. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, RCM, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R
FDA 510(k) Clearance ^{2,3}		Yes (for General Radiography)	Yes (for General Radiography)	–	–
Supplied Accessories		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, 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
Recommended Graphic Card		MED-X30LPB/Xenia	MED-X30LPB/Xenia	MED-X30LPB/Xenia	MED-X30LPB/Xenia
Warranty		Five Years	Five Years	Five Years	Three Years
Dimensions (Unit: mm) MX215 MX242W MX191					
•Swivel not supported with MS235WT.					

¹ Please contact the EIZO group company or distributor in your country for the latest information.

² Only monitors with FDA 510(k) Clearance should be used when making a diagnosis.

³ Models with general radiography clearance do not support the display of mammography images for diagnoses.

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

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 SP1 Professional / 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

RadiCS Version UP KIT

Software for upgrading RadiCS.



RadiCS Client License

A license to use RadiCS with other commercially available monitors.



RadiNET Pro 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.



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