



Features:

Optimum Breast Screening Monitor

Pink Ribbon Having received FDA 510(k) clearance for tomosynthesis and mammography from the U.S. Food and Drug Administration, the RadiForce RX850 is not only capable of displaying MRI, CT, and ultrasound images, but also detailed breast screening 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.

Multi-Modality

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.

Anti-reflection (AR) coating

For more details on AR coating [PDF]

Conveniently View Images Side-by-Side

Two screens from separate input signals can be displayed simultaneously on one monitor. The widescreen enables simple and flexible operation without obtrusive bezels in between when viewing images side-by-side.

Conveniently View Images Side-by-Side

View More Comfortably

The monitor's size was reduced to take up 37% less space than its predecessor, making viewing images on one screen more comfortable. In addition, the thin bezels contribute to less head and eye movement when used with a work list monitor.

View More Comfortably

Create the Ideal Environment

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 monitor presents a fresh, clean aesthetic.

Create the Ideal Environment

Optimize Color & Monochrome Brightness

The Hybrid Gamma function distinguishes between monochrome and color images when viewed on the same screen, displaying each with optimal brightness and tones. This expands the usability of multi-modality applications by allowing accurate review of a mix of color and monochrome images.

Optimize Color & Monochrome Brightness

View Fine Details Clearly

The super high-resolution screen displays 8 megapixels of information with a pixel pitch of 0.1704 mm for viewing medical images in exceptional detail. The monitor also offers a high contrast ratio of 1450:1 to accurately render finer details.

View Fine Details Clearly

Keep Your Monitor Lit Longer

The LED backlight offers a significantly longer service life over conventional CCFL backlights. In addition, 20,000 hours of usage time is guaranteed when used at the recommended brightness of 500 cd/m².

Keep Your Monitor Lit Longer

Make the Precise Diagnosis

EIZO carefully measures and sets each grayscale tone to create a monitor compliant with DICOM Part 14. This ensures the most consistent shading possible, allowing for the most accurate diagnosis.

Make the Precise Diagnosis

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.

Maintain the Precision

Manage Effortless Quality Control

A built-in Integrated Front Sensor (IFS) measures brightness and grayscale tones to calibrate to DICOM Part 14. The IFS does not interfere with the viewing area while in use to cut workload and maintenance costs needed for monitor quality control.

Manage Effortless Quality Control

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.
Comfortably View from Any Angle

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.

View Accurate Images in Moments

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.

Attain Steady Images Across the Screen

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.

Select the Ideal Mode for Modalities

Conserve Energy While Away

A presence sensor prompts the monitor to switch to power save mode when the user is away and resumes operation upon their return to conserve power when not in use, uniting convenience with savings.

Conserve Energy While Away

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.

Rest Assured with Medical Qualifications

The monitors meet the strictest medical, safety, and EMC emission standards.
Rest Assured with Medical Qualifications
Warranty with Safety and Trust

EIZO and its authorized distributors offer a five-year limited warranty.

Specifications:

Model Variations RX850: Anti-Glare coating
RX850-AR: Anti-Reflection coating
Cabinet Color Black
Panel
Type Color (IPS)
Backlight LED
Size 79 cm / 31.1"
Native Resolution 4096 x 2160 (17:9 aspect ratio)
Viewable Image Size (H x V) 697.9 x 368.0 mm
Pixel Pitch 0.1704 x 0.1704 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
Viewing Angles (H / V, typical) 178° / 178°
Brightness (typical) 850 cd/m²
Recommended Brightness for Calibration 500 cd/m²
Contrast Ratio (typical) 1450:1
Response Time (typical) 20 ms (on / off)
Video Signals
Input Terminals DVI-D (dual link) x 2, DisplayPort x 2 (two inputs are required)
Digital Scanning Frequency (H / V) 31 - 140 kHz / 59 - 61 Hz
Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz
USB
Function 1 upstream, 2 downstream
Standard USB 2.0
Power
Power Requirements AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
Maximum Power Consumption 227 W
Typical Power Consumption 111 W
Power Save Mode Less than 6 W
Power Management DVI DMPM, DisplayPort 1.1a
Sensor Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor
Features & Functions
Brightness Stabilization Yes
Digital Uniformity Equalizer Yes
Preset Modes CAL Switch OSD

Languages English, German, French, Italian, Japanese, Simplified , Spanish, Swedish, Traditional

Physical Specifications

Net Weight 22.4 kg (AC adapter included)

Net Weight (Without Stand) 15.8 kg

Hole Spacing (VESA Standard) 100 x 100 mm

Certifications & Standards (Please contact EIZO for the latest information.) CE (Medical

Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3 (B), RCM, RoHS, China RoHS, WEEE, CCC, EAC

FDA 510(k) Clearance Yes (for Breast Tomosynthesis, Mammography, and General Radiography)

Supplied Accessories (May vary by country. Please contact EIZO for details.) AC power cord, AC adapter, signal cables (DVI-D - DVI-D [dual link supported] x 2, DisplayPort - DisplayPort x 2), USB cable, holder for power cord, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, PDF instructions for use, PDF installation manual), instructions for use

Warranty Five Years

Dimension Drawing PDFNet Weight (Without Stand) 5.3 kg

Hole Spacing (VESA Standard) 100 x 100 mm

Certifications & Standards (Please contact EIZO for the latest information.) 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

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Warranty Five Years

Dimension Drawing PDF