Multi-Modality Monitor

RadiForce® RX850

An 8 megapixel monitor ideal for viewing a variety of medical images at once including digital mammography, MRI, and ultrasound.

- Streamlined workflow with widescreen flexible layout
- Convenient side-by-side image viewing from two input signals
- Reduced size and thin bezels for comfortable viewing
- New user-friendly design with fresh, clean aesthetic
- Optimal viewing of medical DICOM grayscale images
- Individually optimized brightness and tone for monochrome and color images
- Exceptional image detail with improved pixel pitch and contrast ratio
- Stable images across the screen with brightness uniformity
- Low power consumption and long lifetime with LED backlight
- Effortless quality control with built-in calibration sensor

RadiForce® RX850

Streamline Your Workflow
Effectively replace a multi-monitor setup with an 8 megapixel screen capable of displaying all necessary image applications at once to streamline the radiology workflow.

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.

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.

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.

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.

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.

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.

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.

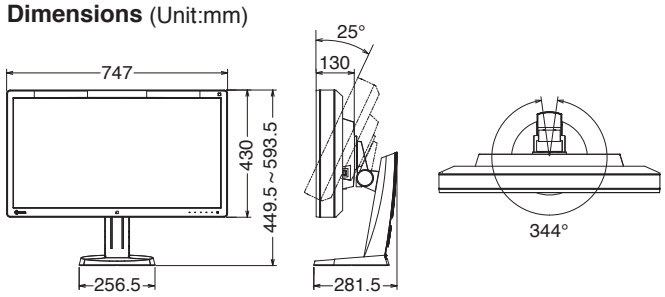
Keep Your Monitor Lit Longer
The LED backlight offers a significantly longer service life over conventional CCFL backlights. In addition, 20,000 hours of usage time is guaranteed when used at the recommended brightness of 500 cd/m².

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.

Specifications

Cabinet Color		Black
Panel	Type	Color TFT LCD Panel (IPS)
	Backlight	LED
	Size	79 cm / 31.1" (789 mm diagonal)
	Native Resolution	4096 x 2160 (17:9 aspect ratio)
	Display 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	Rev. 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	6 W or less
	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 Chinese, Spanish, Swedish, Traditional Chinese
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 the EIZO group company or distributor in your country for the latest information.)		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
FDA 510(k) Clearance		Yes (for Mammography and General Radiography)
Supplied Accessories		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
Warranty		Five Years

Dimensions (Unit:mm)



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