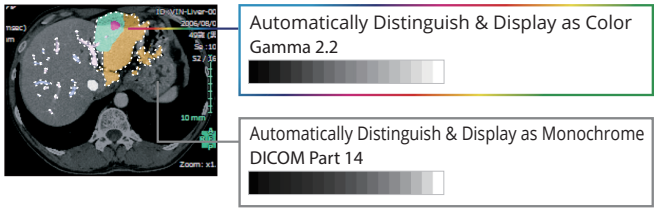
21.3" Color LCD Monitor

RadiForce® RX270

A 2 megapixel medical monitor for display of CT/MRI monochrome and 3D rendering/nuclear medicine color images.

Hybrid Display of Monochrome and Color

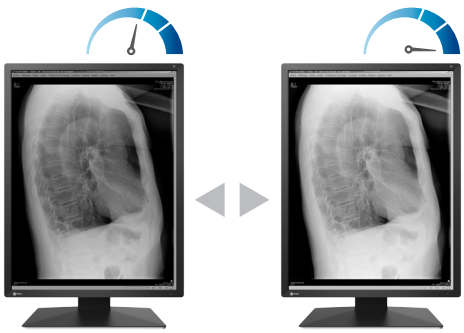
The Hybrid Gamma PXL function automatically distinguishes between monochrome and color images pixel by pixel, creating a hybrid display where each pixel has optimum grayscale. As a result, monochrome images such as CT, MRI and X-ray are displayed in the ideal grayscale that corresponds to DICOM® Part 14, while color images such as 3D rendering, nuclear medicine, ultrasound and endoscopy are faithfully reproduced corresponding to Gamma 2.2. This helps improve efficiency of viewing both monochrome and color images by displaying them together on the one screen.



Boost Images for Easy Viewing

The Instant Backlight Booster function temporarily maxes the brightness of the monitor for quickly viewing details in medical images. A single hotkey allows users to turn the function on for multiple monitors at once so they can easily view more than one screen under the same high-brightness conditions.

DICOM Part 14 is not supported while Instant Backlight Booster is on.



Instant Backlight Booster Off

Instant Backlight Booster On

RadiForce RX270

Make the Precise Diagnosis

EIZO carefully measures and sets the grayscale at the factory to ensure each monitor is compliant with DICOM Part 14. Furthermore, at startup or upon wakeup, the EIZO patented drift correction function quickly stabilizes the brightness level and compensates the brightness fluctuations caused by the ambient temperature and the passage of time, allowing medical images to be faithfully reproduced with stable brightness and grayscale.

Achieve Clarity True to the Source Data

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

Screen Variations for Specific User Needs

EIZO offers anti-glare (AG) and anti-reflection (AR) screen variations to suit user environments. AG treatment is ideal for exceptionally bright environments and drastically reduces glare from ambient lighting. AR treatment is ideal for moderately-lit environments to reduce mild screen glare while maintaining crisp text and images.

Maintain Image Quality Over Time

With the Integrated Front Sensor (IFS) built into the front bezel of the RadiForce monitor and RadiCS LE software (included), you can easily calibrate to DICOM Part 14 without having to mount, run, and remove an external sensor.

Simple calibration using the monitor backlight sensor is also supported.

Hassle-Free Multi-Monitor Configuration

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

A graphics board that supports daisy chain is necessary.

Eye Relief with Gentle Light

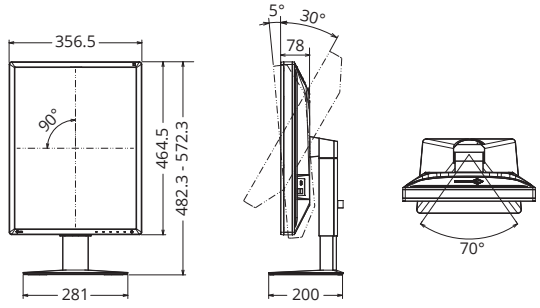
RadiLight is an optional light that attaches to the back of a RadiForce monitor and illuminates the wall behind it. This reduces eye strain for the radiologist viewing a bright monitor in a dark environment, while ensuring there are no reflections on the screen to interfere with reading. It can be attached directly to the monitor without removing the stand and does not take up additional desk space.

Specifications

Model Variations		RX270-BK: Anti-Glare coating, with stand, black RX270-ARBK: Anti-Reflection coating, with stand, black
Panel	Type	Color (IPS)
	Backlight	LED
	Size	21.3" (54.0 cm)
	Native Resolution	1200 x 1600 (3:4 aspect ratio)
	Viewable Image Size (H x V)	324.0 x 432.0 mm
	Pixel Pitch (H x V)	0.270 x 0.270 mm
	Display Colors	10-bit (DisplayPort): 1.07 billion from a palette of 543 billion (13-bit) colors 8-bit: 16.77 million from a palette of 543 billion (13-bit) colors
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (typical)	1000 cd/m²
	Recommended Brightness for Calibration	500 cd/m²
	Contrast Ratio (typical)	1800:1
	Response Time (typical)	20 ms (black-white-black)
Video Signals	Input Terminals	DisplayPort x 2, DVI-D
	Output Terminals	DisplayPort (daisy chain)
	Digital Scanning Frequency (H / V)	31 - 100 kHz / 59 - 61 Hz
USB	Upstream	USB 2.0: Type-B x 2
	Downstream	USB 2.0: Type-A x 2
	Dedicated Charging Port	USB Type-C® (Power Supply 15 W max.)
Power	Power Input	AC 100 - 240 V: 50 / 60 Hz
	Typical Power Consumption	33 W
	Maximum Power Consumption	98 W
	Power Save Mode	1 W or less
Sensor		Backlight Sensor, Integrated Front Sensor, Ambient Light Sensor
Features & Functions	Brightness Stabilization	Yes
	Digital Uniformity Equalizer	Yes
	Hybrid Gamma PXL	Yes
	Work-and-Flow	Switch-and-Go, Point-and-Focus, Instant Backlight Booster
	Preset Modes	CAL Switch (DICOM, CAL1, CAL2, Custom, sRGB, Text)
	OSD Languages	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese
Physical Specifications	Net Weight	7.7 kg
	Net Weight (Without Stand)	4.9 kg
	Hole Spacing (VESA Standard)	100 x 100 mm
Certifications & Standards (Please contact EIZO for the latest information)		CB, CE / UKCA (Medical Device), ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, IEC/EN60601-1, VCCI-B, FCC-B, CAN ICES-3 (B), RCM, RoHS, China RoHS, WEEE, CCC
FDA		510(k) Clearance for General Radiography*
Dedicated Software	Monitor Quality Control Software RadiCS	Supported
Supplied Accessories (May vary by country. Please contact EIZO for details.)	Signal Cables	DisplayPort (3 m) x 2
	Others	AC power cord (3 m), USB Type-A - USB Type-B cable (3 m) x 2, Utility Disk (RadiCS LE, PDF instructions for use, PDF installation manual), instructions for use
Warranty		5 Years

** Display of mammography images for diagnosis is not supported.*

Dimensions (Unit: mm)



EIZO Corporation
153 Shimokashiwano, Hakusan, Ishikawa 924-8566 Japan
Phone +81-76-277-6794, Fax +81-76-277-6793

https://www.eizoglobal.com