

EIZO RADIFORCE RX270 2 MP diagnostic monitor



RadiForce® RX270



Product description:

A high-brightness 2 megapixel medical monitor, ideal for accurate display of monochrome CT/MRI images and 3D/nuclear medicine color rendering.

High-Fidelity Images for Peace of Mind

Hybrid monochrome and color display

Hybrid monochrome and color display. The Hybrid Gamma PXL function automatically distinguishes between monochrome and color images on a pixel-by-pixel basis, creating a hybrid display where each pixel has an optimal grayscale. As a result, monochrome images such as CT, MRI and X-ray are displayed in the ideal grayscale corresponding 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 improves the efficiency of monochrome and color image viewing by displaying them together on a single screen.

Get true-to-source clarity

A medical monitor must be capable of high brightness in order to meet performance standards. However, to achieve high brightness in an LCD panel, the pixel aperture ratio must be increased. This leads to a generally unavoidable drop in sharpness. Thanks to EIZO's unique sharpness recovery technology, the sharpness fade (MTF) is restored. This allows you to safely display an image faithful to the original source data on the monitor, even at high brightness levels.

MTF digitally measures the fidelity with which the panel transfers details from the original image data for viewing. When sharpness recovery is activated, in the case of a pair of 2-pixel lines (spatial frequency of 0.926 cycles/mm), MTF increases by over 50%.

Screen variants for specific user requirements

EIZO offers anti-glare (AG) and anti-reflective (AR) screen variants to suit users' environments. AG treatment is ideal for exceptionally bright environments, and considerably reduces glare from ambient lighting. AR treatment is ideal for moderately lit environments to reduce light reflections from the screen while maintaining sharp text and images.

Precise diagnosis

EIZO carefully measures and adjusts grayscale at the factory to ensure that every monitor is DICOM Part 14 compliant. What's more, on start-up or wake-up, EIZO's patented drift correction function quickly stabilizes brightness levels and compensates for brightness fluctuations caused by ambient temperature and the passage of time, enabling medical images to be faithfully reproduced with stable brightness and grayscale.

Modern image reading made easy

Radiologists' workloads are increasing as image-reading environments diversify. RadiForce medical monitors offer features and accessories designed to improve reading efficiency, comfort and convenience.

Take your image reading to the next level

EIZO's unique Work-and-Flow technology eases the complexity of imaging workflow with features developed with the radiologist in mind. Users can take advantage of Work-and-Flow features with the RadiForce monitor and supplied RadiCS LE software.

Boost images for easy viewing

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

Barrier-free working style

With Switch-and-Go, you can use two different workstations simultaneously with just one mouse and keyboard. Simply move the cursor from one screen to the other, or switch signals between workstations as required, without having to change mouse or keyboard each time. This also reduces the total number of screens, mice and keyboards in the setup for improved workflow.

Eye relief with soft light

RadiLight is an optional light that attaches to the back of a RadiForce monitor and illuminates the wall behind it. This reduces eyestrain for the radiologist looking at a bright monitor in a dark environment, while ensuring that there are no reflections on the screen interfering with reading. It can be attached directly to the monitor without removing the stand, and takes up no extra desk space.

Convenient Connectivity for Comfortable Use

Hassle-free multi-monitor configuration

Using the DisplayPort connection, you can drive multiple monitors in a daisy-chain sequence. This lets you set up a multi-screen configuration without the complicated hassle of excessive cabling.

Elegant design

Black front bezels are ideal for viewing the screen in darkened reading rooms, making it easier to focus on images, while the original white stripe down the sides of the monitor presents a fresh, clean aesthetic. The monitor's casing is designed with rounded corners and elegant curves at the rear to present a soft aesthetic and facilitate a comforting environment for patients and medical staff.

USB hub and USB Type-C for charging

The monitor features two USB Type-A downstream ports for connecting a mouse, keyboard or other USB peripherals. It also features a USB Type-C port with a power supply of up to 15 watts (5V/3A) for charging smartphones and tablets. The USB Type-C port doesn't allow the computer to access the device's memory or settings, so you can rest assured that it remains secure when connected.

Be Assured of Image Consistency

Maintain image quality over time

The color and brightness characteristics of a monitor naturally change with use over time. Since this happens gradually, it can be difficult to detect when it's happening. Implementing a quality control solution ensures that your monitor's display characteristics remain consistent.

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

Stay confident with stable brightness

EIZO's confidence in the quality of its products extends to brightness stability, which is also covered for the duration of use specified in the warranty.

Guarantee with security and confidence

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

Caring for the Environment

Conserve to preserve

EIZO is committed to responsible manufacturing practices to maintain high product quality, while keeping the environment in mind. The RX270 is made from around 16% recycled plastic. This reduces the amount of plastic waste released into the environment, conserves resources and promotes the reuse of materials to preserve natural ecosystems.

Amortization of environmental impact

EIZO monitors do away with the use of plastic and polystyrene in packaging to reduce environmental impact. The RX270 is securely packaged using molded pulp, made from recycled cardboard and newsprint, and cables are wrapped in eco-friendly pulp foil instead of plastic bags.

RX270 Monitor Data Sheet	
Display Features	
Panel Type	IPS color panel
Backlighting	LED
Size (in inches / cm)	21.3" (54.0 cm)
Maximum Resolution	1200 x 1600
Format	3:4
Visible Image Size	324.0 x 432.0 mm
Pixel Pitch	0.270 x 0.270 mm
Display Colors	10-bit (DisplayPort): 1.07 billion colors in a palette of 543 billion (13-bit) 8-bit: 16.77 million colors in a palette of 543 billion (13-bit)
Viewing Angle	178° / 178°

Brightness	1000 cd/m2
Recommended Brightness for Calibration	500 cd/m2
Contrast	1800:1
Response Time	20 ms (black-white-black)
Connectivity and Ports	
Video Input	DisplayPort x 2, DVI-D
Video Output	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
Performance and Power Consumption	
Power Supply	AC 100 - 240 V: 50 / 60 Hz
Power Consumption in Normal Mode	33 W
Max. Power Consumption	98 W
Max. Standby Power Consumption	1 W or less
Additional Features	
Sensors	Backlight sensor, Integrated front sensor, Ambient light sensor
Brightness Stabilization	Yes
Digital Uniformity Equalizer	Yes
Hybrid Gamma PXL	Yes
Workflow	Switch-and-Go, Point-and-Focus, Instant Backlight Booster
Integrated CAL Switch Calibration Probe	DICOM, CAL1, CAL2, Custom, sRGB, Text
Dimensions and Weights	
Net Weight	7.7 kg
Weight without Stand	4.9 kg
VESA Standard Compatibility	100 x 100 mm
Certifications and Conformity	
Certifications	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 Clearance	510(k) clearance for general radiography
Accessories & Warranty	
Monitor Quality Control Software	Supported RadiCS monitor quality control software
Warranty	5 years
Accessories Included	DisplayPort (3 m) x 2
Other Accessories	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

Megapixels: 2MP

Reference: EIZO0011