

## EIZO RADIFORCE RX250 MONITOR 2 MP diagnostic monitor



### Product description:

#### Display Both Monochrome and Color

Hybrid Gamma PXL 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. This gives it greater accuracy and reliability than the conventional area-detection method.

As a result, monochrome images such as x-ray, MRI and CT are displayed in the ideal grayscale that corresponds to DICOM Part 14, while color images such as ultrasound and endoscopy can be faithfully reproduced corresponding to Gamma 2.2. This will improve the efficiency of viewing both monochrome and color images together on the one screen.

#### 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.

MTF measures numerically how faithfully the panel transfers detail from the original image data for viewing. When Sharpness Recovery is turned on, in the case of a 2 pixel line pair (spatial frequency of 0.926 cycles/mm) the MTF increases by approximately 47%.

#### 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.

### **Save Work Space with Sleek Cabinet Design**

The monitor's width, height, and depth were reduced by 15 mm, 37.5 mm, and 45.5 mm respectively – 27% less space than its predecessor, saving more workspace for other tasks. Reducing the width of the monitor's frame reduces eye movement when comparing side-by-side images in a dual monitor configuration.

### **Save on Power Consumption**

The monitor uses a new panel equipped with an energy-efficient LED backlight which reduces power consumption by 27% compared to its predecessor.

### **Reduce Reflections for Image Clarity**

Anti-reflection (AR) coating greatly reduces reflections caused by outside light without affecting the light emitting from the monitor. It also minimizes the loss of contrast that causes blacks to appear washed out with an anti-glare (AG) coating. This makes AR coating ideal for environments with bright ambient lighting.

### **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.

### **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 for the most accurate diagnosis.

### **Maintain the Precision**

Perform a simplified calibration for 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.

### **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. 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.

### **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, a quality typically difficult to attain due to the characteristics of LCD monitors.

### **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.

### **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.

### **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.

### **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. In the latest RadiForce models, the sensor detects the user's presence using a heat sensing method. This increases the range and angle of detection compared to conventional detection methods, making it effective when using multiple monitors.

### **Improve Operability**

EIZO's highly versatile stand offers, tilt 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.

### **Warranty with Safety and Trust**

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

PRODUCT SHEET

Megapixels: 2MP

Reference: EIZO0001