

## EIZO RADIFORCE RX560 MONITOR 5 MP diagnostic monitor



### Product description:

**The RX560 MammoDuo integrates two RX560 monitors side by side on a specifically designed stand.**

#### Distraction-Free Viewing

The monitor bezel is just 7.5 mm – the world's narrowest bezel on a 5 megapixel monitor; making the total distance between the visible screens of the two monitors only 15 mm. Furthermore, the bezel sits only 2.5 mm above the screen, making an almost completely flush bezel to easily switch your view between screens.

#### Space Saving

The dimensions of the RX560 MammoDuo are reduced by 67 mm horizontally, 36 mm vertically, and 20.5 mm in depth compared to a conventional side-by-side configuration with a single monitor of the same total resolution. The total space occupied by the monitors was reduced by 22%, creating a more unrestricted environment with expanded viewing space.

#### Easy Adjustment

With the newly designed stand, you can adjust the height, tilt, and swivel of the two monitors without any gaps appearing between them.

#### Clean and Sophisticated

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.

## Evolve Your Image Reading

As more image modalities become digitalized, radiologists are viewing an increasing amount of information on their screens. EIZO's unique Work-and-Flow technology alleviates the complexity of the imaging workflow with new functions developed with the radiologist in mind. Users can take advantage of Work-and-Flow features with the RadiForce monitor and bundled RadiCS LE software.

## Quick and Easy Focus

With the Point-and-Focus function, you can quickly select and focus areas of your concern with just your mouse and keyboard. Change the brightness and grayscale tones of certain points on the screen to make interpretation easier.

## Full Color Support for Ultrasound, Breast CT and MRI

Breast cancer screenings are increasingly combining the use of mammography and ultrasound to view patients with high breast density. Furthermore, if breast cancer is suspected, various other tests may also be needed such as biopsy, breast MRI and CT.

The RX560 is the world's first medical monitor to use low temperature polysilicon (LTPS) liquid crystal display. Because of this, the color monitor can reach a brightness of up to 1100 cd/m<sup>2</sup>, similar to that of monochrome monitors. Due to this high brightness, the RX560 can display high-definition monochrome breast tomosynthesis and mammography images with deep blacks and no washout in addition to color images such as ultrasound and pathology.

Furthermore it has a high contrast ratio of 1500:1, approximating that of a monochrome monitor, displaying deep blacks without any washout.

## Optimum Breast Screening Monitor

The monitor has obtained FDA 510(k) clearance by the U.S. Food and Drug Administration for breast tomosynthesis and mammography. This ensures that the monitor is capable of displaying detailed breast screening images where high performance is essential.

## Display Both Monochrome and Color

Hybrid Gamma PXLThe Hybrid Gamma PXL function automatically distinguishes between monochrome and color images pixel by pixel, creating a hybrid display where each pixel has optimum grayscale; giving it greater accuracy and reliability than the conventional area-detection method.

In addition to breast tomosynthesis and mammography monochrome images, which require high display performance, the RX560 also faithfully reproduces color images such as breast MRI and CT, ultrasound, and pathology. This ultimately improves efficiency by allowing both monochrome and color images to be viewed on one screen.

## Smooth Display of Breast Tomosynthesis

The monitor has a response time of 12 milliseconds, making it ideal for enlarging and panning medical images, as well as quickly displaying breast tomosynthesis which comprises of several images in each shot.

## Hassle-Free Multi-Monitor Configuration

The monitor is equipped with DisplayPort 1.2 input and output terminals. Using the output terminal allows you to easily configure several monitors in a daisy chain sequence without the hassle of excessive cabling.

## 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.

### **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 1.515 cycles/mm) the MTF increases by approximately 45%.

### **Clear, High Density Images**

The monitor hosts 0.165 mm pixels, realizing a smooth, high-density, high-definition image without graininess.

### **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.

### **Simple Calibration with Built-In Sensor**

The monitor hosts an Integrated Front Sensor (IFS). It is built into the bezel and is only visible when in use; not needing any time to set up. By using it together with the included monitor control software RadiCS LE, brightness and gradation can be corrected to match DICOM Part 14 standards.

### **Experience Smooth Color Reproduction**

The monitor supports 10-bit input for each RGB color, displaying more than one billion colors simultaneously. This ensures accurate color reproduction for images such as MRI, ultrasound, and pathology.

### **Comfortable 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.

### **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.

### **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.

### **Select the Ideal Mode for Modalities**

The CAL Switch function allows you to choose various modes for different modalities, such as mammography and breast MRI, ultrasound, and pathology, without the need to calibrate each time.

Using the bundled RadiCS LE software, modes can be set to automatically switch to optimal image viewing conditions with the click of a mouse or using the monitor's display mode.

### **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, 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.

### **Mammography QC Standards Compliance**

EIZO's easy-to-use RadiCS UX2 quality control software & calibration sensor (sold separately) performs precise calibration conforming to DICOM Part 14 and enables quality control (QC) complying with ACR Practice Guideline and other QC standard for digital mammography monitors.

### **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 limited warranty.

### **PRODUCT SHEET**

Megapixels: 5MP

Reference: EIZO0003