

## EIZO RADIFORCE RX1270 MONITOR 12 MP diagnostic monitor



### Product description:

#### Eye Relief with Comfort Light

The built-in comfort light gently illuminates the wall behind the monitor without interfering with the low ambient lighting typical of reading rooms. This reduces the contrast between the wall and monitor to prevent eye fatigue without creating glare on the screen.

#### Easily Navigate Your Workspace

It is also equipped with a spotlight which allows you to see printed documents or your keyboard. The position can be easily adjusted in order to achieve the ideal lighting.

#### Streamline Your Workflow

Display various images on an ultra-high resolution 12 megapixel (4200 x 2800 pixels) single screen with the freedom of image layout. It provides streamlined visibility compared with multi-monitor environments, leading to greater efficiency.

#### Compact and Feature-Packed

The monitor realizes the ultra-high resolution of 12 megapixels on a 30.9-inch screen. The new design is more compact compared to two conventional 5 megapixel monitors used side by side. This all while including a built-in comfort light and internal power supply that do not impose on the workspace.

## 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.

### Newly Added Function

#### 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.

#### Quickly Pinpoint Focus Areas

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.

#### Quick Information Referencing

The Hide-and-Seek function enables users to easily hide the PinP (Picture in Picture) window not currently in use and reopen as needed by moving the mouse cursor to the edge of the screen. This eliminates the need for an extra monitor while still allowing quick and efficient viewing of reports or patient charts.

#### Barrier-Free Workstyle

The Switch-and-Go function allows USB switching through the monitor, enabling the use of a single keyboard and mouse across two connected PCs. This is convenient for dual-monitor/PC environments, or when changing inputs on a single monitor connected to two PCs.

Furthermore, you can use Switch-and-Go with Hide-and-Seek to display the screen of a notebook PC (connected via HDMI®) as a separate window on the monitor. The window can be hidden or shown on command using a single mouse and keyboard for quick access to more information.

#### 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

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 ultimately improves efficiency by allowing both monochrome and color images to be viewed on 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 1.609 cycles/mm) the MTF increases by approximately 56%.

### **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.

### **Stable Display Using AI**

The color and brightness of an LCD monitor can shift due to changes in ambient temperature and the temperature of the monitor itself. Medical Imaging RadiForce monitors are equipped with a temperature sensor for accurately measuring the temperature inside the monitor, as well as estimating the temperature of the surrounding environment. With this technology, the monitor adjusts in real-time so gradations, color, brightness, and other characteristics continue to display accurately.

Furthermore, EIZO uses AI (artificial intelligence) in the estimation algorithm of the RX1270 so it can distinguish between changing temperature patterns to calculate an even more accurate correction.

### **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.

### **Manage Effortless Quality Control**

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

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

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

### **PRODUCT SHEET**

Megapixels: 12MP

Reference: EIZO0000