

**Features:**



## RadiForce® RX350

**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 1.182 cycles/mm) the MTF increases by approximately 52%.

Sharpness Recovery

**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.

Create the Ideal Environment

**Save Work Space with Sleek Cabinet Design**

The monitor's width, height, and depth were reduce by 22 mm, 39 mm, and 45.5 mm respectively – 30% less space than its predecessor, saving more workspace for other tasks. Reducing the width of the monitor's frame by approximately half reduces eye movement when comparing side-by-side images in a dual monitor configuration.

Save Work Space with Sleek Cabinet Design

**Save on Power Consumption**

The RadiForce RX350 uses a new panel equipped with an energy-efficient LED backlight which reduces power consumption by 30% compared to its predecessor.

EIZO's internal measurement under RX350's recommended brightness of 500 cd/m<sup>2</sup>.

Save on Power Consumption

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

Anti-reflection (AR) coating greatly reduces reflections caused by outside light without affecting the light emitting from the monitor. This makes AR preferred over AG (anti-glare) treatments which cause blacks to appear washed out due to diffusion of the backlight.

Monitors with AR coating display chest X-ray and other high-resolution images with more clarity for accurate analysis.

Reduce Reflections for Image Clarity

#### **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.

Reduce Reflections for Image Clarity

Compatibility to connect RadiForce monitors with DisplayPort daisy chain

#### **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.

Make the Precise 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.

Maintain the Precision

#### **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.

Manage Effortless 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.

#### **Manage Effortless Quality Control**

View Accurate Images in Moments

The EIZO-patented drift correction function quickly stabilizes the brightness level of the monitor upon startup of 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.

View Accurate Images in Moments

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.

Comfortably View from Any Angle

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.

Select the Ideal Mode for Modalities

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 3D color rendering and image fusion.

10-bit color graphics board and 10-bit color viewer software needed for 10-bit color display.

Conserve Energy While Away

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.

Conserve Energy While Away

Improve Operability

EIZO's highly versatile stand offers, tilt and a wide height adjustment range, enabling you to use the monitor with greater comfort.

Rest Assured with Medical Qualifications

The monitors meet the strictest medical, safety, and EMC emission standards.

Rest Assured with Medical Qualifications

Warranty with Safety and Trust



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

**Specifications:**

Model Variations RX350: Anti-Glare coating

RX350-AR: Anti-Reflection coating

Cabinet Color Black

Panel

Type Color (IPS)

Backlight LED

Size 54.1 cm / 21.3"

Native Resolution 1536 x 2048 (3:4 aspect ratio)

Viewable Image Size (H x V) 324.9 x 433.2 mm

Pixel Pitch 0.2115 x 0.2115 mm

Display Colors 10-bit colors (DisplayPort) : 1.07 billion (maximum) colors

8-bit colors: 16.77 million from a palette of 68 billion colors

Viewing Angles (H / V, typical) 178° / 178°

Brightness (typical) 1,000 cd/m<sup>2</sup>

Recommended Brightness for Calibration 500 cd/m<sup>2</sup>

Contrast Ratio (typical) 1500:1

Response Time (typical) 25 ms (on / off)

Video Signals

Input Terminals DVI-D (dual link) x 1, DisplayPort x 1

Output Terminals DisplayPort x 1 (daisy chain)

Digital Scanning Frequency (H / V) 31 - 127 kHz / 29 - 61.5 Hz

Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz

USB

Function 1 upstream, 2 downstream

Standard USB 2.0

Power

Power Requirements AC 100 - 240 V: 50 / 60 Hz

Maximum Power Consumption 89 W

Typical Power Consumption 46 W

Power Save Mode Less than 1 W

Power Management DVI DMPM, DisplayPort 1.2a

Sensor Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor

Features & Functions

Brightness Stabilization Yes

Digital Uniformity Equalizer Yes

Preset Modes CAL Switch

OSD Languages English, German, French, Italian, Japanese, Simplified , Spanish, Swedish, Traditional

**Physical Specifications**

Net Weight 8.1 kg

Net Weight (Without Stand) 5.3 kg

Hole Spacing (VESA Standard) 100 x 100 mm

Certifications & Standards (Please contact EIZO for the latest information.) CE (Medical Device Directive), EN60601-1, ANSI/AAMI ES60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, CAN ICES-3 (B), RCM, RoHS, China RoHS, WEEE, CCC, EAC

FDA 510(k) Clearance Yes (for General Radiography)

Supplied Accessories (May vary by country. Please contact EIZO for details.) AC power cord, signal cables (DVI-D - DVI-D [dual link supported], DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, PDF instructions for use, PDF

**installation manual), instructions for use**

**Warranty Five Years**

