

**Features:**

## RadiForce® RX440

### Dual-Screen Display on One Monitor

With Picture-by-Picture (PbyP) or Picture-in-Picture (PinP) functions, two screens from separate input signals can be displayed simultaneously on one monitor. A bezel-less widescreen enables simplified and flexible operation.

### Color and Monochrome Images with Separate Gamma Curves

EIZO's unique Hybrid Gamma function distinguishes whether the images being displayed are monochrome or color and displays each image in optimum brightness and grayscale tones. This expands the usability of PACS applications constantly attaining sufficiency with mix of color and monochrome medical images.

Accuracy in distinguishing between grayscale and color images may depend on how they are aligned. Viewer software compatibility verification is required.

### Presence Sensor for Power Savings

The presence sensor feature unites convenience with savings by ensuring that the monitor conserves power when it is not in use. The presence sensor prompts the monitor to switch to power save mode when it detects the user is away from the monitor, and then resume normal operation when the user returns.

### 10-bit Color

The monitor can support 10-bit input for each RGB color, displaying more than one billion colors simultaneously. This ensures accurate reproduction of color tones for 3D color rendering and image fusion.

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

**Mode Selection for Optimum Viewing**

Selectable with the front panel buttons, the CAL Switch function allows for various imaging modes of different modalities such as CR, CT, and endoscope images. Furthermore, auto mode settings can be made with the Auto CAL Switch function.

**Versatile Positioning for Improved Operability**

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

**Customer Assurance with Medical Standards**

Meets the strictest medical, safety, and EMC emission standards.

**Environmentally-Friendly LED Backlight**

By utilizing an energy-efficient LED as a backlight, the monitor achieves a high-brightness and low power consumption at the same time. Unlike conventional CCFL backlights, LED backlights deteriorate more slowly and thus the monitor offers a longer service life. Since the LED backlight is mercury free, it will reduce any potential impact on the environment when it is disposed of.

**Diagnostic Precision with DICOM Part 14 Factory Adjustment**

To ensure the most accurate and consistent shadings possible, EIZO carefully measures and sets every grayscale tones on the production line to produce a monitor compliant with DICOM Part 14.

**Consistency with DICOM Part 14 Calibration**

With the bundled RadiCS LE quality control software, a simplified calibration compliant with the DICOM Part 14 standard can be performed to correct the brightness and grayscale tones of the monitor ensuring the most accurate and consistent shadings possible over time.

**Easy Calibration with Integrated Front Sensor**

An Integrated Front Sensor (IFS) housed within the front bezel measures brightness and grayscale tones and calibrates to the DICOM Part 14 standard. Without having to connect and disconnect, an IFS performs QC tasks and does not interfere with the viewing area. This dramatically cuts monitor quality control workload and maintenance costs.

**Brightness Uniformity for a Steadier Image Across the Screen**

The Digital Uniformity Equalizer (DUE) function provides optimum brightness uniformity which is difficult to attain due to the characteristics of LCD monitors.

**Quick Brightness Stabilization for Instant Viewing**

At startup or upon wakeup, the EIZO patented drift correction function quickly stabilizes the brightness level. In addition, a sensor measures the backlight brightness and compensates for brightness fluctuations caused by the ambient temperature and the passage of time.

**Wide Viewing Angles for Multiple People Use**

Wide Viewing angles with minimal color shift when viewed from the side.

**Brightness Stability Within Usage Time Guaranteed**

EIZO's confidence in its product quality extends to brightness stability which is also covered during the usage time specified in the warranty.

**Warranty with Safety and Trust**

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

**Specifications:**

Cabinet Color Black

Panel

Type Color (IPS)

Backlight LED

Size 76 cm / 29.8"

Native Resolution 2560 x 1600 (16:10 aspect ratio)

Viewable Image Size (H x V) 641.2 x 400.8 mm

Pixel Pitch 0.2505 x 0.2505 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) 176° / 176°

Brightness (typical) 750 cd/m<sup>2</sup>

Recommended Brightness for Calibration 400 cd/m<sup>2</sup>

Contrast Ratio (typical) 1100:1

Response Time (typical) 20 ms (on / off)

Video Signals

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

Digital Scanning Frequency (H / V) 31 - 159 kHz / 29 - 61 Hz

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

USB

Function 1 upstream, 2 downstream

Standard USB 2.0

**Power**

Power Requirements AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz

Maximum Power Consumption 167 W

Typical Power Consumption 84 W

Power Save Mode Less than 0.7 W

Power Management DVI DMPM, DisplayPort 1.1a

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 20.2 kg

Net Weight (Without Stand) 16.0 kg

Hole Spacing (VESA Standard) 200 x 100 mm, 100 x 100 mm

Certifications & Standards (Please contact EIZO for the latest information.) CE (Medical

Device Directive), EN60601-1, UL60601-1, 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)

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