

**Features:**

# RadiForce® RX340

**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.

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.

ifs\_en.jpg

Monochrome and Color Images on One Monitor

A high-quality IPS panel with a high contrast ratio and high brightness makes this model ideal for displaying 3D rendering and fusion color images as well as CT and MRI monochrome images compliant with the DICOM Part 14 standard.

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.

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.

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.

Color and Monochrome Images with Separate Gamma Curves

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.

#### Wide Viewing Angles for Multiple People Use

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

#### 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.

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

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

#### **Specifications:**

Cabinet Color Black

Panel

Type Color (IPS)

Backlight LED

Size 54 cm / 21.2"

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

Viewable Image Size (H x V) 323.7 x 431.6 mm

Pixel Pitch 0.21075 x 0.21075 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) 170° / 170°

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

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

Contrast Ratio (typical) 1400:1

Response Time (typical) 22 ms (on / off)

Video Signals

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

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 - 120 V, 200 - 240 V: 50 / 60 Hz

Maximum Power Consumption 125 W

Typical Power Consumption 56 W

Power Save Mode Less than 3 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 10.7 kg

Net Weight (Without Stand) 8.0 kg

Hole Spacing (VESA Standard) 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)

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, user's manual)

Warranty Five Years

Dimension Drawing GIF