Future Focused

EIZO’s complete spectrum of RadiForce medical monitor solutions delivers exceptionally accurate and stable image display at leading hospitals around the world.

Our commitment to technological innovation includes making products that are as ergonomically, environmentally, and economically-friendly as possible.

With the shift to completely filmless systems for improved efficiencies in patient care, EIZO will continue to provide products of unsurpassed quality, consistency, and value that are truly future focused.

Selecting the Optimum Monitor for Clinical Review

Display Differs Depending Upon Grayscale Tones

Standard monitors for general office use have grayscale tone characteristics which may vary even between the same models. In the medical field, monitors must display medical images accurately and consistently. Digital Imaging and Communications in Medicine (DICOM) Part 14 specifies a display function for grayscale which is now used as a standard to adjust the grayscale tone characteristics of monitors used in the medical field.

Cost-Efficiency Demanded Under Clinical Review Applications

Medical images can now be reviewed with clinical record applications. However, it is costly for hospitals to install high-performance, DICOM calibration compatible diagnostic monitors throughout the entire hospital, and a cost-efficient solution is demanded for clinical review application usage environment.

Calibration to the DICOM Part 14 Compliant and Superior Cost Performance Monitor is Optimum for Clinical Review

With the bundled RadiCS LE quality control software installed, a built-in backlight sensor periodically checks for brightness irregularities of RadiForce MX-Series monitors. Furthermore, simplified calibration compliant with the DICOM Part 14 standard can be periodically performed to correct the brightness and grayscale tones of the monitor. Superior cost performance will be achieved when installing a large number of monitors compliant to DICOM Part 14 in clinical review application usage environments.
RadiForce MX-Series Clinical Review Monitors

The RadiForce MX-Series of superior cost performance clinical review monitors deliver calibration that is compliant with DICOM Part 14. They are ideal for viewing patient charts with MRI and CT medical images to DICOM Part 14 standard. In addition, they are available in widescreen and square formats in various resolutions to meet the diverse needs of hospitals.

Features

High-Definition Images

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

- DICOM Preset Mode
  MS-models feature a DICOM preset mode whose grayscale tone is preset on the production line for optimum reviewing of medical images.

- Consistency with DICOM Part 14
  MS models feature a DICOM preset mode whose grayscale tone is preset on the production line for optimum reviewing of medical images.

- Simplified 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 by utilizing the backlight sensor.

- Environmentally-Friendly LED Backlight
  By utilizing an energy-efficient LED as a backlight, the monitor achieves a high-brightness. Power consumption is reduced by 42% (EZo’s internal measurement) compared to the same size monitor with a conventional CCFL backlight. Since the LED backlight is mercury free, it will reduce any potential impact on the environment when it is disposed of.

- Brightness Uniformity for a Steadier Image Across the Screen
  The Digital Uniformity Equalizer (DUE) function provides optimum backlight luminance uniformity which is difficult to attain due to the characteristics of LCD monitors, especially with large screen size.

- Ergonomic Features
  - Easy Calibration with Integrated Front Sensor
    Integrated Front Sensor, housed within the front bezel, is conveniently enabled and visible only when calibration compliant to the DICOM Part 14 standard is being performed. This dramatically reduces the time and effort needed for quality control.

- 10-bit Color
  Each RGB color is supported with a 10-bit input compatibility that displays more than 1 billion colors, providing smooth 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.

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

Wide Viewing Angles for Multiple People Use

Thanks to the wide viewing angles and high contrast ratio of the panel, images can be viewed simultaneously by several people with the highest quality reproduction and minimal color shift.

Wide Viewing Angles for Multiple People Use

Large Screen Size and High-Resolution

Its 27-inch large screen size and a 2560 x 1440 high-resolution are ideal for displaying multiple imaging applications or windows to improve the work efficiency of physicians and radiologists.

A 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.

Clinical Review Monitors

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**Multitouch Interface**
Both intuitive and enjoyable to work with, multitouch lets you tap, scroll, drag, pinch, spin, etc. with your fingers instead of a mouse and keyboard. The multitouch interface is supported by Windows 7 and works with the growing number of multitouch applications compatible with this OS.

**Finger, Glove, or Pen Touch**
Optical imaging touch panel technology accepts input from a bare or gloved hand as well as a touch pen.

**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.

**Handy Partitioning for Widescreen and Multi-Monitor Environments**
EIZO ScreenSlicer is a desktop monitor software utility that allows an entire screen to be effectively used through partitioning. Multiple windows can be easily aligned and dropped into the partitioned areas in single- or multi-monitor environments for convenience.

**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.

**Energy Efficiency Gauge**
To encourage environmental consciousness while working, an on-screen gauge indicates energy consumption in correlation with the screen’s brightness. When the gauge is fully illuminated, the monitor is operating at optimum energy efficiency.

**Versatile Positioning for Improved Operability and Less Fatigue**
EIZO’s highly versatile stand offers tilt, swivel, portrait rotation, and a wide height adjustment range enabling you to use the monitor with improved operability and less fatigue.

**High Quality Assurance**

**Customer Assurance with Medical Standards**
EIZO monitors meet the strictest medical, safety, and EMC emission standards.

**ISO 13485 Certification**
Acquiring ISO 13485 certification demonstrates EIZO’s ability to consistently meet customer requirements for our products and services.

**Warranty with Safety and Trust**
EIZO and its authorized distributors offer a five-year or three-year limited warranty.
Accessory Compatibility

<table>
<thead>
<tr>
<th>Wall Mount Arm</th>
<th>Dual Height Adjustable Stand</th>
<th>Panel Protector</th>
<th>Monitor Cleaning Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA-030-W</td>
<td>LA-011-W</td>
<td>LS-HMI-D</td>
<td>FP-2700W*</td>
</tr>
<tr>
<td>MS230W</td>
<td>MS231WT</td>
<td>MS230W</td>
<td>FP-2400W</td>
</tr>
<tr>
<td>MX270W</td>
<td>MX241W</td>
<td>MX240W</td>
<td>FP-1400W</td>
</tr>
<tr>
<td>MS231WT</td>
<td>MS230W</td>
<td>MS231WT</td>
<td>FP-2300W</td>
</tr>
<tr>
<td>MX210</td>
<td>MX191</td>
<td>MX210</td>
<td>FP-1200W</td>
</tr>
<tr>
<td>MS170</td>
<td>MS170</td>
<td>MS170</td>
<td>FP-500</td>
</tr>
</tbody>
</table>

*Integrated Front Sensor unusable with panel protector.
<table>
<thead>
<tr>
<th>Specifications</th>
<th>MX270W</th>
<th>MX241W</th>
<th>MX240W</th>
<th>MS231WT</th>
<th>MX210</th>
<th>MS210</th>
<th>MX191</th>
<th>MS170</th>
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</thead>
<tbody>
<tr>
<td><strong>Panel Color</strong></td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
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<tr>
<td><strong>Cabinet Color</strong></td>
<td>Black, Gray</td>
<td>Black, Gray</td>
<td>Black, Gray</td>
<td>Black, Gray</td>
<td>Black, Gray</td>
<td>Black, Gray</td>
<td>Black, Gray</td>
<td>Black, Gray</td>
</tr>
<tr>
<td><strong>Display Size (H x V)</strong></td>
<td>50.7 x 29.8 mm</td>
<td>45.7 x 27.3 mm</td>
<td>50.7 x 29.8 mm</td>
<td>45.7 x 27.3 mm</td>
<td>50.7 x 29.8 mm</td>
<td>45.7 x 27.3 mm</td>
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<td>45.7 x 27.3 mm</td>
</tr>
<tr>
<td><strong>Panel Type</strong></td>
<td>VA Panel</td>
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<td>VA Panel</td>
<td>VA Panel</td>
<td>VA Panel</td>
</tr>
<tr>
<td><strong>Panel Size</strong></td>
<td>54 cm / 21.3” (540 mm diagonal)</td>
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<tr>
<td><strong>Dot Clock</strong></td>
<td>148.5 MHz</td>
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<td>148.5 MHz</td>
<td>148.5 MHz</td>
<td>148.5 MHz</td>
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<td>148.5 MHz</td>
</tr>
<tr>
<td><strong>Digital Input</strong></td>
<td>HDMI x 1, DVI-D x 1, DisplayPort x 1</td>
<td>HDMI x 1, DVI-D x 1, DisplayPort x 1</td>
<td>HDMI x 1, DVI-D x 1, DisplayPort x 1</td>
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<td>HDMI x 1, DVI-D x 1, DisplayPort x 1</td>
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<tr>
<td><strong>Power Requirements</strong></td>
<td>AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz</td>
<td>AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz</td>
<td>AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz</td>
<td>AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz</td>
<td>AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz</td>
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<td>AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz</td>
<td>AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz</td>
</tr>
<tr>
<td><strong>Light Sensor</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Backlight Sensor</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Dimensions (Unit: mm)</strong></td>
<td>H 511.8, V 363</td>
<td>H 520.4, V 39</td>
<td>H 520.4, V 39</td>
<td>H 520.4, V 39</td>
<td>H 520.4, V 39</td>
<td>H 520.4, V 39</td>
<td>H 520.4, V 39</td>
<td>H 520.4, V 39</td>
</tr>
<tr>
<td><strong>Net Weight (With Stand / Without Stand)</strong></td>
<td>9.7 kg / 6.7 kg</td>
<td>10.1 kg / 7.1 kg</td>
<td>10.1 kg / 7.1 kg</td>
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<tr>
<td><strong>Warranty</strong></td>
<td>Three Years</td>
<td>Three Years</td>
<td>Three Years</td>
<td>Five Years</td>
<td>Three Years</td>
<td>Three Years</td>
<td>Three Years</td>
<td>Three Years</td>
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<tr>
<td><strong>Included Accessories</strong></td>
<td>DisplayPort, booklet, warranty, VESA standard 100 x 100 mm</td>
<td>DisplayPort, booklet, warranty, VESA standard 100 x 100 mm</td>
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**Note:** Features may vary depending on the model. Please contact the local distributor in your country for the latest information.