EIZO RADIFORCE MX315
8 MP Diagnostic Monitor

RadiForce MX315W

Product description:

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 MX315W and bundled RadiCS LE software.

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 it 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, patient charts, and other information.

Barrier-Free Workstyle

With the Switch-and-Go function, USB switching is done within the monitor. This allows you to use a single keyboard and mouse across two PCs. Users can easily work on either PC by simply moving the mouse cursor across the screens. This enhances work efficiency and creates a cleaner workspace.

Improved Workflow with High Resolution

The MX315W offers the highest resolution from the MX-Series, displaying 8 megapixels of information (4096 x 2160 pixels) on the large 31.1-inch screen. By utilizing the MX315W's increased viewing space and freedom of layout, it is possible to display various inspection images side by side, such as CT and MRI images in tiled format. This will allow for the comparison of old and current scans, ultimately improving efficiency.

Seamlessly View Images

The MX315W is equipped with PbyP (Picture by Picture) – a function that allows two different signals to display windows side by side on the one screen. You can use this function to view different systems side by side, such as an image inspection system and radiology information system (RIS), or an electronic medical record system and a picture archiving and communication system (PACS). This allows you to view images together without any bezels to distract your line of sight.

Space-Saving and Lightweight

The MX315W boasts a slim design with a built-in power supply to reduce clutter in the installation area and allow for a comfortable working environment. It also features a lightweight design, weighing only 11.7 kg including the built-in power supply. This makes it easy to carry, and installation is a breeze.

Hassle-Free Multi-Monitor Configuration

The monitor is equipped with DisplayPort 1.2 input and output terminals. Using a single cable connected to the input terminal, the monitor displays 8 megapixel resolution. In addition, using the output terminal allows you to easily configure several monitors in a daisy chain sequence without the hassle of excessive cabling.

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 1.467 cycles/mm) the MTF increases by approximately 51%.

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.

Maintain the Precision

Perform a simplified calibration compliant with 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.

Manage Effortless Quality Control

A built-in Integrated Front Sensor (IFS) measures brightness and grayscale tones to calibrate to DICOM Part 14. The IFS does not interfere with the viewing area while in use to cut workload and maintenance costs needed for monitor quality control.

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.

View Accurate Images in Moments

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

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.

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.

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. Using the bundled RadiCS LE software, modes can be set to automatically switch to optimal image viewing conditions.

Conserve Energy While Away

A presence sensor prompts the monitor to switch to power save mode when the user is away and resumes operation upon their return to conserve power when not in use. In the latest RadiForce models, the sensor detects the user's presence using a heat sensing method. This increases the range and angle of detection compared to conventional detection methods, making it effective when using multiple monitors.

Improve Operability

EIZO's highly versatile stand offers, tilt, swivel, 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.

Warranty with Safety and Trust

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

Megapixels: 8MP

Reference: -