Clinical Review Monitor

RadiForce® MX315W

The MX315W is a 31.1-inch medical monitor with an 8 megapixel resolution — the highest in the RadiForce MX-Series of clinical review monitors. It has DICOM Part 14 calibration support, and can display a variety of medical images at the same time including CT, MRI, and ultrasound, making it incredibly cost effective.

Work-and-Flow

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

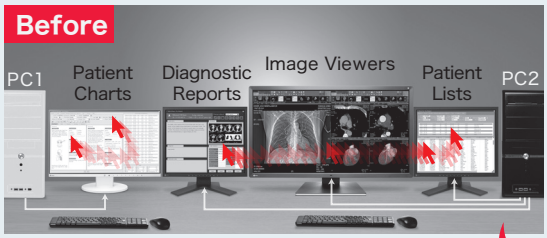
The Hide-and-Seek function enables users to easily hide the PinP (Picture in Picture) window not currently in use and reopen it as needed by moving the mouse cursor to the edge of the screen. This eliminates the need for an extra monitor while still allowing quick and efficient viewing of reports, patient charts, and other information.

Hide-and-Seek

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.

Switch-and-Go



RadiForce® MX315W

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
Equipped with PbyP (Picture by Picture), you can easily view windows from two different input signals side by side on the same screen. This allows you to consult an electronic medical record system and PACS on the one screen, without being distracted by any bezels in between.

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.

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.

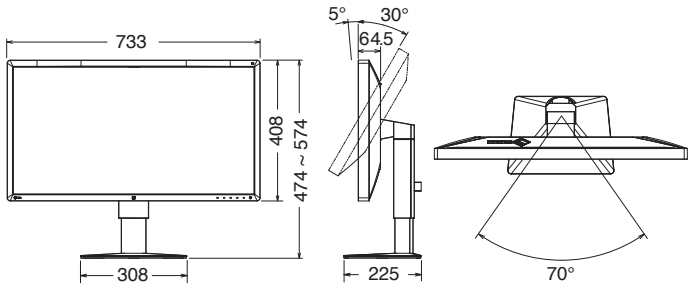
Manage Effortless Quality Control
A built-in Integrated Front Sensor (IFS) measures brightness and grayscale tones to calibrate to DICOM Part 14. The IFS does not interfere with the viewing area while in use to cut workload and maintenance costs needed for monitor quality control.

Specifications

Cabinet Color		Black
Panel	Type	Color (IPS)
	Backlight	LED
	Size	79 cm / 31.1"
	Native Resolution	4096 x 2160 (17:9 aspect ratio)
	Viewable Image Size (H x V)	697.9 x 368.0 mm
	Pixel Pitch	0.1704 x 0.1704 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)	450 cd/m²
	Contrast Ratio (typical)	1300:1
	Response Time (typical)	20 ms (on / off)
Video Signals	Input Terminals	DVI-D (dual link) x 1, DisplayPort x 2
	Output Terminals	DisplayPort x 1 (daisy chain)
	Digital Scanning Frequency (H / V)	31 - 134 kHz / 14 - 61 Hz Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz
USB	Function	2 upstream, 3 downstream
	Standard	USB 2.0
Power	Power Requirements	AC 100 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	125 W
	Typical Power Consumption	67 W
	Power Save Mode	1.6 W or less
	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 Chinese, Spanish, Swedish, Traditional Chinese
Physical Specifications	Net Weight	11.7 kg
	Net Weight (Without Stand)	7.5 kg
	Hole Spacing (VESA Standard)	100 x 100 mm
Certifications & Standards *(Please contact the EIZO group company or distributor in your country 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 x 2, short DisplayPort - DisplayPort), USB cable x 2, Utility Disk (RadiCS LE, PDF installation manual), instructions for use
Warranty		Five Years

**Display of mammography images for diagnosis is not supported.*

Dimensions (Unit: mm)



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