

EIZO RADIFORCE MX317W
8MP Diagnostic Monitor 30.5", High-Definition with USB Type-C Docking, Comfort of Home Teleradiology



RadiForce MX317W

Product description:

Streamlined Connection with USB Type-C

The monitor features a USB Type-C® connectivity that allows you display video, transmit USB signals, supply power to connected mobile workstations, and even transmit a network signal. Furthermore, multi-screen setup can easily be established with simple daisy chain connection. This convenient multi-purpose connectivity makes it faster and easier to connect your mobile workstation when working remotely or at home.

Mobile Workstation Power Delivery

The 94 watt power delivery via USB Type-C reliably charges mobile workstations. This eliminates the need for a mobile workstation's bulky power supply unit, freeing up space in your bag and on the desk.

Stable Wired Network Connection

The monitor has LAN port directly built in for a stable wired connection. Connecting mobile workstation via USB Type-C allows access to the network through the monitor, making it useful when security policies require a wired connection.

Directly Connect Peripherals

While many modern mobile workstations are designed to be thinner and more portable, they often have limited connectivity options for peripherals. Connecting a mobile workstation to the monitor via USB Type-C gives access to a hub with three USB Type-A and one USB Type-C ports for easily connecting an external keyboard, mouse, or headset.

The USB Type-C port cannot be used as a USB external device connection when used for daisy-chain connection.

Hassle-Free Multi-Monitor Setup

The monitor's USB Type-C connection supports daisy chaining for easily connecting multiple monitors from a single USB Type-C video signal output of mobile workstations. This allows you to configure a multi-monitor setup without hassle of excess cabling.

A multi-monitor configuration lets you display multiple screens simultaneously, such as reports, examination lists, and patient charts. This reduces the need to switch windows frequently or scroll compared to the small screen of a mobile workstation, facilitating a boost in efficiency.

High Fidelity Images for Peace of Mind

30.5-inch 8 megapixel resolution medical monitor with DICOM® Part 14 calibration for reviewing diagnostic imaging such as chest X-ray, CT, or endoscopy accurately.

Enhanced Workflow with 8MP Resolution

The 30.5-inch large widescreen can display 8 megapixels of information. In medical settings where multiple applications and windows are often displayed simultaneously, this allows for free layout on a single screen.

Hybrid Display of Monochrome and Color

The Hybrid Gamma PXL function automatically distinguishes between monochrome and color images pixel by pixel, creating a hybrid display where each pixel has optimum grayscale. As a result, monochrome images such as CT, MRI and X-ray are displayed in the ideal grayscale that corresponds to DICOM Part 14, while color images such as 3D rendering, nuclear medicine, ultrasound and endoscopy are faithfully reproduced corresponding to Gamma 2.2. This helps improve efficiency of viewing both monochrome and color images by displaying them together on the one screen.

Achieve Clarity True to the Source Data

Un moniteur médical doit être capable d'une luminosité élevée afin de répondre aux normes de performance. Cependant, dans le but d'obtenir une luminosité élevée dans un panneau LCD, le rapport d'ouverture des pixels doit être augmenté. Cela provoque une baisse de netteté généralement inévitable. Grâce à la technologie unique de récupération de la netteté d'EIZO, la diminution de la netteté (MTF) est restaurée. Cela vous permet d'afficher en toute sécurité sur le moniteur une image fidèle aux données source d'origine, même à des niveaux de luminosité élevés.

MTF mesure numériquement la fidélité avec laquelle le panneau transfère les détails des données d'image d'origine pour la visualisation. Lorsque la récupération de netteté est activée, dans le cas d'une paire de lignes de 2 pixels (fréquence spatiale de 1,497 cycles/mm), la MTF augmente de plus de 50 %.

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.

Select the Ideal Mode for Modalities

The Manual Mode Switch function allows you to choose various modes for different modalities such as CR, CT, endoscopy, and pathology. Using the bundled RadiCS LE software, modes can be set to automatically switch to optimal image viewing conditions.

Preset Mode for Whole Slide Imaging Review

The monitor comes with a preset mode, called Pathology Mode, for the viewing and analysis of microscopic cell and tissue structures. This mode helps support whole slide imaging (WSI), or virtual microscopy, used in pathology for the digital archiving and referencing of highly detailed microscopic images.

This product has not received FDA 510 (k) clearance for Digital Pathology Display.

Rest Assured with Image Consistency

Elegant Curved Design

The monitor's cabinet is designed with rounded corners and elegant curves on the back to present a gentle aesthetic and facilitate a comforting environment for patients and medical staff.

Maintain Image Quality Over Time

An monitor's color and brightness characteristics naturally shift with use over time. Since this occurs gradually, it can be difficult to detect when this happens. Implementing a quality control solution ensures that your monitor's display characteristics stay consistent.

With the Integrated Front Sensor (IFS) built into the front bezel of the RadiForce monitor and RadiCS LE software (included), you can easily calibrate to DICOM Part 14 without having to mount, run, and remove an external sensor.

Simple calibration using the monitor backlight sensor is also supported.

Stay Confident with Stable Brightness

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

Conserve to Preserve

The MX317W is made of more than 70% recycled plastic. This mitigates on the amount of plastic waste going into the environment, conserves resources, and promotes reuse of materials for preserving the natural ecosystems.

Technical Sheet	
Display Features	
Panel Type	Color (IPS)
Backlighting	LED
Size (in inches / cm)	30.5" (77.5 cm)
Maximum Resolution	4096 x 2160
Format	17:9
Visible Image Size	685.7 x 361.6 mm
Pixel Pitch	0.1674 x 0.1674 mm
Display Colors	10-bit (DisplayPort): 1.07 billion colors in a palette of 543 billion (13-bit) 8-bit: 16.77 million colors in a palette of 543 billion (13-bit)
Viewing Angle	178° / 178°
Brightness	550 cd/m2
Recommended Brightness for Calibration	270 cd/m2
Contrast	1800:1

Response Time	25 ms (black-white-black)
Connectivity and Ports	
Video Input	USB Type-C (DisplayPort Alt Mode), DisplayPort x 2, HDMI
Video Output	USB Type-C (daisy chain)
Digital Scanning Frequency (H/V)	USB Type-C: 31 - 134 kHz / 59 - 61 Hz DisplayPort: 31 - 134 kHz / 59 - 61 Hz HDMI: 31 - 136 kHz / 59 - 61 Hz
USB	Upstream: USB 2.0 Type-B x 2, USB 2.0 Type-C (DisplayPort Alt Mode, Power Delivery Source 94 W max.) Downstream: USB 2.0 Type-A x 3, USB 2.0 Type-C (DisplayPort Alt Mode, Power Delivery Source 15 W max.) USB LAN Adapter: RJ-45 (1000BASE-T)
Performance and Power Consumption	
Power Supply	AC 100 - 240 V: 50 / 60 Hz
Power Consumption in Normal Mode	62 W
Max. Power Consumption	260 W
Max. Standby Power Consumption	0.5 W or less
Additional Features	
Sensors	Backlight sensor, Integrated front sensor, Ambient light sensor
Brightness Stabilization	Yes
Digital Uniformity Equalizer	Yes
Hybrid Gamma PXL	Yes
Workflow	Hide-and-Seek, Switch-and-Go, Point-and-Focus
Predefined Modes	CAL Switch (DICOM, CAL, Patho, Custom, sRGB, Text)
OSD Languages	Anglais, Allemand, Français, Italien, Japonais, Chinois simplifié, Espagnol, Suédois, Chinois traditionnel
Dimensions and Weights	
Net Weight	12.4 kg
Weight without Stand	8.2 kg
VESA Standard Compatibility	100 x 100 mm
Certifications and Conformity	
Certifications	CB, CE / UKCA (Medical Device), ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, IEC/EN60601-1, VCCI-B, FCC-B, CAN ICES-3 (B), RCM, RoHS, China RoHS, WEEE, CCC
FDA Clearance	510(k) clearance for general radiography
Accessories & Warranty	
Monitor Quality Control Software	Supported RadiCS monitor quality control software
Warranty	5 years
Accessories Included	USB Type-C (1.5 m), DisplayPort (3 m) x 2, HDMI (3 m)
Other Accessories	AC power cord (3 m), USB Type-A - USB Type-B cable (3 m) x 2, Utility Disk (RadiCS LE, PDF installation manual), instructions for use

Megapixels: 8MP

Reference: EIZO0012