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8-megapixel monitor with USB-C docking

The model RadiForce MX317W convinces with a large image diagonal (30.5") and 8 megapixels (4096 x 2160 pixels) resolution. It is equally suitable for the diagnosis of radiological sectional images and projection radiographic images - with the exception of mammography. In addition to the precise display of greyscale and colour images, the MX317W offers numerous docking functions through its USB-C signal interface - making it particularly interesting for teleradiology. The USB-C connectivity enables both the image signal and data to be transmitted and a connected device to be supplied with up to 94 W of power with just a single cable. An additional power supply for notebooks or MacBook Pro is therefore usually no longer necessary. In addition, the monitor is equipped with a LAN connection for a stable network connection. This means that even mobile devices that lack their own RJ45 LAN connection can be connected to the wired network without additional adapters. EIZO pays attention to sustainability in material selection, production and transport. The housing parts of the MX317W consist of more than 70 % recycled plastic. This reduces the amount of plastic waste, conserves resources and promotes the reuse of materials.

- ✓ 8 MP colour screen with reliably high and permanently stable brightness
- ✓ Docking function via USB-C with DisplayPort signal, LAN and power supply up to 94 watts
- ✓ Clear recognition of structures through high contrast and blur reduction
- ✓ Hybrid Gamma PXL function for pixel-precise display of greyscale and colour images with the required luminance characteristic curve
- ✓ Grey tone reproduction with DICOM-GSDF tone curve and image reproduction mode for pathological images
- ✓ Integrated sensor for automatic and exact calibration of white point and tonal value characteristics
- ✓ Automatic control of luminance distribution (Digital Uniformity Equalizer)
- ✓ Prepared for acceptance and constancy testing in accordance with DIN 6868-157 and QS-RL
- ✓ Demonstrably environmentally and socially responsible production
- ✓ 5-year warranty for highest investment security

Technical Data

GENERAL

Item no.	MX317W
Case color	Bicolor, black and white
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Computed tomography/MR imagine, Pathology, (when using EIZO monitors for pathology, it is recommended to evaluate the entire system including the scanner), Non-destructive-testing
EAN	4995047064800

SCREEN

Screen size [in inches]	30,5
Screen size [in cm]	77,5
Format	17:9
Viewable image size (width x height) [in mm]	685,7 x 361,6
Resolution in MP	8 Megapixels (colour)
Ideal and recommended resolution	4096 x 2160 (4K DCI)
Pixel pitch [in mm]	0,1674 x 0,1674
Panel technology	IPS
Max. viewing angle horizontal	178
Max. viewing angle vertical	178
Number of colors or greyscale	1.07 billion colors (DisplayPort, 10 Bit), 16.7 million colors (DisplayPort, 8 Bit), 16.7 million colors (HDMI, 8 Bit)
Color palette/look-up table	543 billion colour tones / 13 bit
Max. brightness (typical) [in cd/m ²]	550
Factory calibrated brightness [in cd/m ²]	270
Max. dark room contrast (typical)	1800:1
Response time black/white/black change (typical)	25
Backlight	LED

CONNECTIONS

Signal inputs	USB-C (DisplayPort Alt Mode), 2x DisplayPort, HDMI
Signal outputs	USB-C (for daisy chain)
Daisy-chain capable	✓
USB specification	USB 2
USB upstream ports	1 x type C (DisplayPort Alt Mode, 94 W max.), 2 x type B
USB downstream ports	3 x type A, 1 x type C (DisplayPort Alt Mode, 15 W max.)
Network connection	RJ-45
LAN standards	IEEE802.3ab (1000BASE-T)
Graphic signal	DisplayPort, HDMI (RGB, YUV)

FEATURES & OPERATION

USB-C docking	✓
LAN/RJ-45	✓
KVM switch	✓
Preset color/greyscale modes	2x manual memory locations, Text, sRGB, DICOM, Patho
DICOM tone curve	✓
Hardware calibration of brightness and light density characteristic curve	✓
Digital Uniformity Equalizer (homogeneity correction)	✓
Hybrid Gamma PXL	✓
Blur reduction	✓
Sensors	Ambient Light Sensor, Integrated luminance sensor, Backlight Sensor
Automatic signal input recognition	✓
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	Pathology tonal value, Brightness, Contrast, Color temperature/White point, Gamma, Color saturation, Resolution, Skip signal input, OSD language, Signal input, Key lock, Blur reduction
Integrated power unit	✓

ELECTRICAL DATA

Frequency	USB Type-C: 31 - 134 kHz / 59 - 61 Hz; DisplayPort: 31 - 134 kHz / 59 - 61 Hz; HDMI: 31 - 136 kHz / 59 - 61 Hz
Power consumption (typical) [in watts]	62
Maximum Power Consumption [in watts]	260 (at maximum brightness and operation of all signal and USB ports as well as full charging power)
Max. Power consumption in stand-by mode [in watts]	0.5
Power consumption with power switch off [in watts]	0
Power supply	AC 100-240V, 50/60Hz
Max. USB-C Power Delivery [in Watt]	94

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	721 x 469,5 - 569,5 x 225,1
Weight (incl. stand) [in kg]	12,4
Dimensions (without stand) (width x height x depth) [in mm]	721 x 401 x 73
Weight (without stand) [in kg]	8,2
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand [in °]	70
Tiltability forwards/backwards [in °]	5 / 30
Height adjustment range [in mm]	100
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certification	CE (Medical Device), UKCA (Medical Device), ANSI /AAMI ES60601-1, CSA C22.2 Nr. 601-1, EN60601-1, IEC60601-1, CB, RCM, FCC-B, CAN ICES-3 (B), VCCI-B, RoHS, WEEE, China RoHS, CCC
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SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	RadiCS LE
Other box contents	2x Signal cable DisplayPort - DisplayPort, 2x USB cable (Type A - Type B), Signal cable HDMI - HDMI, USB/ signal cable (USB-C - USB-C), Manual via download, Power cord, Quick guide
Accessories	RadiCS (UX2-Kit) (The EIZO software is capable of complete quality management – from calibration through asset management to acceptance and constancy testing.), RadiLight (Comfort Light for Reading Rooms), UX2-Sensor (Calibration sensor for medical monitors), RadiNET Pro (EIZO software for network-based quality management in large facilities – with remote functionality for monitors)
Recommended graphics card	MED-XN63

WARRANTY

Warranty periode	5 years
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