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The 31.1" colour monitor impresses with 4K resolution (4,096 x 2,160 pixels) that ensure crisper details. The MX315W also shines in terms of colour purity and illumination thanks to the Digital Uniformity Equalizer. This allows the MX315W to correctly display hues and greyscale tones of radiological images across the entire screen. The DICOM display curve is preset during production and guarantees proper greyscale reproduction. The MX315W monitor features sensors for ambient light and calibration. Given its size and picture quality, the MX315W is particularly well suited for diagnosing cross-sectional imaging and viewing 3D reconstructions.

- ✓ 4K colour display with consistently high and stable brightness
- ✓ greyscales with DICOM hue curve
- ✓ integrated sensor for automatic, precise calibration of white balance and the tonal value
- ✓ automatic luminance distribution control (Digital Uniformity Equalizer)
- ✓ set up for acceptance and consistency testing in accordance with DIN 6868-157 and QS-RL
- ✓ presence sensor means monitor is ready for immediate use whenever the user is in front of it
- ✓ ergonomic, attractive design
- ✓ compact dimensions, narrow bezels, and integrated power supply

Technical Data

GENERAL

Item no.	MX315W
Case color	Bicolor, black and white
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Computed tomography/MR imagine, Pathology, Non-destructive-testing

SCREEN

Screen size [in inches]	31,1
Screen size [in cm]	79
Format	17:9
Viewable image size (width x height) [in mm]	697,9 x 368
Resolution in MP	8 Megapixels (colour)
Ideal and recommended resolution	4096 x 2160 (4K DCI)
Pixel pitch [in mm]	0,1704 x 0,1704
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 (DVI, 8 Bit), 16.7 million colors (DisplayPort, 8 Bit)
Color palette/look-up table	543 billion colour tones / 13 bit
Max. brightness (typical) [in cd/m ²]	450
Factory calibrated brightness [in cd/m ²]	270
Max. dark room contrast (typical)	1300:1
Response time black/white/black change (typical)	20
Backlight	LED

CONNECTIONS

Signal inputs	2x DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4)
Signal outputs	1x DisplayPort (HDCP 1.2)
Daisy-chain capable	✓
USB specification	USB 2
USB upstream ports	2 x type B
USB downstream ports	2x type A
Graphic signal	DisplayPort, DVI Dual Link (TMDS)

CERTIFICATION & STANDARDS

Certification	CE (Medical Device), ANSI/AAMI ES60601-1, CSA C22.2 Nr. 601-1, EN60601-1, IEC60601-1, RCM, FCC-B, CAN ICES-3 (B), VCCI-B, RoHS, WEEE, China RoHS, CCC, EAC
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Find your EIZO contact:
 EIZO Europe GmbH
 Belgrader Straße 2
 41069 Mönchengladbach
 Phone: +49 2161 8210-0
www.eizo.eu

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FEATURES & OPERATION

Preset color/greyscale modes	2x manual memory locations, Text, sRGB, Paper, DICOM
DICOM tone curve	✓
Hardware calibration of brightness and light density characteristic curve	✓
Digital Uniformity Equalizer (homogeneity correction)	✓
Sensors	Ambient Light Sensor, Integrated luminance sensor, Backlight Sensor, Presence sensor
Automatic signal input recognition	✓
Imagen por imagen	✓
On-screen menu languages	de, en, fr, es, it, se
Integrated power unit	✓

ELECTRICAL DATA

Frequency	Digital: 31-134 kHz/14-61 Hz
Power consumption (typical) [in watts]	67
Maximum Power Consumption [in watts]	125 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	1.6
Power consumption with power switch off [in watts]	0
Power supply	AC 100-240V, 50/60Hz

DIMENSIONS & WEIGHT

Weight (incl. stand) [in kg]	11.7
Weight (without stand) [in kg]	7.5
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand	70
Tiltability	5 / 30
Hole spacing	100 x 100

SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	RadiCS LE
Other box contents	2x Signal cable DisplayPort - DisplayPort, 1x short signal cable DisplayPort - DisplayPort, Signal cable DVI-D - DVI-D, USB cable (Type A - Type B), Manual via download, Power cord
Accessories	RadiNET Pro, RadiCS
Recommended graphics card	MED-XN72

WARRANTY

Warranty periode	5 years
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