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As a 24" widescreen colour monitor, the MX243W is factory calibrated with a DICOM® GSDF luminance characteristic. Its Hybrid Gamma PXL function automatically distinguishes between greyscale and colour images with pixel accuracy and produces a hybrid image reproduction. Each pixel is displayed with the optimal luminance characteristic. This ensures maximum accuracy and reliability when colour and monochrome images are displayed simultaneously. This is advantageous when, for example, video or photo images are displayed simultaneously with X-ray images. In terms of image sharpness, it shines with blur reduction. It enables detailed contours that are otherwise impaired by anti-reflection coating and image brightness. The image is reproduced with maximum clarity. In addition, the screen is equipped with EIZO's Point-and-Focus function. With this function, image areas can be conveniently selected and masked using the mouse and keyboard. The design and technology offer both ergonomic comfort and unparalleled image precision for use with radiology images. Its 1920 x 1200 pixels in 16:10 format characterise the image area of the MX243W. Radiological images and associated findings can be displayed side by side. The viewer sees both at a glance. Dental images in the diagnostic room are displayed in diagnostic quality. With microscopic images in pathology, highly saturated colours can be very well differentiated thanks to its wide gamut display.

- ✓ 2 megapixel colour screen with 220 cd/m<sup>2</sup> factory calibrated brightness and 410 cd/m<sup>2</sup> maximum brightness (typical)
- ✓ Clear recognition of structures through high contrast and blur reduction
- ✓ Palette with 543 billion shades for precise colour reproduction with up to 10 bit
- ✓ Hybrid Gamma PXL function for pixel-precise display of greyscale and colour images with the required luminance characteristic curve
- ✓ Homogeneous display surface due to automatic control of luminance distribution (DUE)
- ✓ Prepared for calibration, acceptance and constancy testing according to DIN 6868-157 and QS-RL

## Technical Data

GENERAL		FEATURES & OPERATION	
Item no.	MX243W	Preset color/greyscale modes	2x manual memory locations, Text, sRGB, DICOM
Case color	Black	DICOM tone curve	✓
Areas of application	Healthcare	Hardware calibration of brightness and light density characteristic curve	✓
Product line	RadiForce	Digital Uniformity Equalizer (homogeneity correction)	✓
Areas of application	Computed tomography/MR imagine, Pathology, Dentist, Dental diagnostic room, Nuclear medicine and radiotherapy, Ophthalmology, Non-destructive-testing	On-screen menu languages	de, en, fr, es, it, se
<b>SCREEN</b>		Adjustment options	DICOM tonal value, Brightness, Contrast, Color temperature/White point, Gamma, Color saturation, Resolution, Scaling, Monitor reset, OSD language, Signal input, Blur reduction
Screen size [in inches]	24,1	Integrated power unit	✓
Screen size [in cm]	61	<b>ELECTRICAL DATA</b>	
Format	16:10	Frequency	Digital: 31-76 kHz/59-61 Hz
Viewable image size (width x height) [in mm]	518,4 x 324	Power consumption (typical) [in watts]	25
Resolution in MP	2.3 Megapixels (colour)	Maximum Power Consumption [in watts]	56 (at maximum brightness with all signal inputs and USB ports in use)
Ideal and recommended resolution	1920 x 1200	Max. Power consumption in stand-by mode [in watts]	0.6
Pixel pitch [in mm]	0,27 x 0,27	Power consumption with power switch off [in watts]	0
Supported resolutions	1920 x 1200, 1920 x 1080 (Full HD), 1680 x 1050, 1600 x 1200, 1280 x 1024, 1024 x 768, 800 x 600, 720 x 400, 640 x 480	Power supply	AC 100-240V, 50/60Hz
Panel technology	IPS	Power management	✓
Max. viewing angle horizontal	178	<b>DIMENSIONS &amp; WEIGHT</b>	
Max. viewing angle vertical	178	Dimensions (incl. stand) (width x height x depth) [in mm]	552 x 431-521 x 200
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)	Weight (incl. stand) [in kg]	7.8
Color palette/look-up table	543 billion colour tones / 13 bit	Weight (without stand) [in kg]	4.9
Max. brightness (typical) [in cd/m <sup>2</sup> ]	410	Dimension drawing (PDF)	<a href="#">Dimension drawing (PDF)</a>
Factory calibrated brightness [in cd/m <sup>2</sup> ]	220	Rotatability of the stand	70
Max. dark room contrast (typical)	1350:1	Tiltability	5 / 30
Max. refresh rate [in Hz]	60	Pivot between portrait / landscape	90° (clockwise)
Backlight	LED	Height adjustment range [in mm]	90
<b>CONNECTIONS</b>		Hole spacing	100 x 100
Signal inputs	DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4)	<b>SOFTWARE &amp; ACCESSORIES</b>	
USB specification	USB 2	Accompanying software and other accessories are available for download	RadiCS LE
USB upstream ports	1 x type B	Other box contents	USB cable (Type A - Type B), Signal cable DisplayPort - DisplayPort, Manual via download, Power cord
USB downstream ports	2x type A	Accessories	RadiCS, MED-XN51LP
Graphic signal	DVI Single Link (TMDS), DisplayPort	Recommended graphics card	MED-XN51LP
<b>CERTIFICATION &amp; STANDARDS</b>		<b>WARRANTY</b>	
Certification	CE (Medical Device), ANSI/AAMI ES60601-1, CSA C22.2 Nr. 601-1, IEC60601-1, UKCA, RCM, FCC-B, CAN ICES-3 (B), VCCI-B, RoHS, WEEE, China RoHS, CCC, EAC	Warranty periode	5 years

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