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2 MP Medical Dental Monitor

Modern modalities for tube, panoramic or CBCT images provide clear images. However, the reproduction quality of X-ray images in a dental radiology environment depends largely on the choice of the right screen. The DIN standard 6868-157 introduced minimum requirements for the use of radiological image display systems in dental diagnostics. Depending on the room class (RK), the DIN requires certain minimum brightness levels. Room classes 5 and 6 are decisive for diagnostic and treatment rooms in dental diagnostics. EIZO offers the optimal screen for this with the RadiForce MX243W-DT.

- ✓ 2 megapixel color LCD monitor with high and stable brightness
- ✓ Gray tone reproduction with DICOM tone value curve
- ✓ Palette with 543 billion color tones for precise color reproduction with up to 10 bits
- ✓ Calibration of white point and tonal value characteristics
- ✓ Automatic control of luminance distribution (Digital Uniformity Equalizer)
- ✓ Prepared for acceptance and constancy test according to DIN 6868-157 and QS-RL
- ✓ Demonstrably environmentally conscious and socially responsible production
- ✓ 5-year warranty for highest investment security

Technical Data

GENERAL		FEATURES & OPERATION	
Item no.	MX243W-DT	Preset color/greyscale modes	2x manual memory locations, Text, sRGB, DICOM
Case color	White	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	Dentist, Dental diagnostic room, Dental treatment room	Sensors	Backlight Sensor
EAN	4995047066705	On-screen menu languages	de, en, fr, es, it, se
SCREEN		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	ELECTRICAL DATA	
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]	30
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	DIMENSIONS & WEIGHT	
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 ²]	410	Rotatability of the stand [in °]	70
Factory calibrated brightness [in cd/m ²]	330	Tiltability forwards/backwards [in °]	5 / 30
Max. dark room contrast (typical)	1350:1	Pivot between portrait / landscape	anti-clockwise
Max. refresh rate [in Hz]	60	Height adjustment range [in mm]	90
Backlight	LED	Hole spacing	100 x 100
CONNECTIONS		SOFTWARE & ACCESSORIES	
Signal inputs	DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4)	Accompanying software and other accessories are available for download	RadiCS LE
USB specification	USB 2	Other box contents	USB cable (Type A - Type B), Signal cable DisplayPort - DisplayPort, Manual via download, Power cord
USB upstream ports	1 x type B	Accessories	RadiCS (UX2-Kit), RadiLight, MED-XN43
USB downstream ports	2x type A	Recommended graphics card	MED-XN43
Graphic signal	DVI Single Link (TMDS), DisplayPort	WARRANTY	
CERTIFICATION & STANDARDS		Warranty periode	5 years
Certification	CE (Medical Device), UKCA (Medical Device), RoHS, WEEE		

Find your EIZO contact:
 EIZO AG - Switzerland
 Moosacherstrasse 6, Au
 8820 Wädenswil ZH
 Phone +41 44 782 24 40
www.eizo.ch