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

Item no.	MX243W-DT
Case color	White
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Dentist, Dental diagnostic room, Dental treatment room
EAN	4995047066705

SCREEN

Screen size [in inches]	24,1
Screen size [in cm]	61
Format	16:10
Viewable image size (width x height) [in mm]	518,4 x 324
Resolution in MP	2.3 Megapixels (colour)
Ideal and recommended resolution	1920 x 1200
Pixel pitch [in mm]	0,27 x 0,27
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
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/m²]	410
Factory calibrated brightness [in cd/m²].	330
Max. dark room contrast (typical)	1350:1
Max. refresh rate [in Hz]	60
Backlight	LED

CONNECTIONS

Signal inputs	DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4)
USB specification	USB 2
USB upstream ports	1 x type B
USB downstream ports	2x type A
Graphic signal	DVI Single Link (TMDS), DisplayPort

CERTIFICATION & STANDARDS

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

FEATURES & OPERATION

Preset color/greyscale modes	2x manual memory locations, Text, sRGB, DICOM
DICOM tone curve	✔
Hardware calibration of brightness and light density characteristic curve	✔
Digital Uniformity Equalizer (homogeneity correction)	✔
Sensors	Backlight Sensor
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	DICOM tonal value, Brightness, Contrast, Color temperature/White point, Gamma, Color saturation, Resolution, Scaling, Monitor reset, OSD language, Signal input, Blur reduction
Integrated power unit	✔

ELECTRICAL DATA

Frequency	Digital: 31-76 kHz/59-61 Hz
Power consumption (typical) [in watts]	30
Maximum Power Consumption [in watts]	56 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	0.6
Power consumption with power switch off [in watts]	0
Power supply	AC 100-240V, 50/60Hz
Power management	✔

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	552 x 431-521 x 200
Weight (incl. stand) [in kg]	7.8
Weight (without stand) [in kg]	4.9
Rotatability of the stand [in °]	70
Tiltability forwards/backwards [in °]	5 / 30
Pivot between portrait / landscape	anti-clockwise
Height adjustment range [in mm]	90
Hole spacing	100 x 100

SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	RadiCS LE
Other box contents	USB cable (Type A - Type B), Signal cable DisplayPort - DisplayPort, Manual via download, Power cord
Accessories	RadiCS (UX2-Kit), RadiLight, MED-XN43
Recommended graphics card	MED-XN43

WARRANTY

Warranty period	5 years