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2 -megapixel Medical Dental Monitor

Modern modalities for tube, panoramic or DVT images provide clear images. However, the reproduction quality of X-ray images in the dental-radiological environment depends to a large extent on the choice of the right screen. DIN standard 6868-157 introduced minimum requirements for the use of radiological image reproduction systems in dental diagnostics. Depending on the room class (RK), DIN requires certain minimum brightness levels. Room class 5 is decisive for diagnosis rooms in dental diagnostics. EIZO offers the optimum monitor for this purpose in the form of the RadiForce MX232W-DT.

- ✓ 2-megapixel color LCD monitor with LED backlight and automatic luminance control for reliably high and permanently stable brightness
- ✓ Gray scale reproduction with DICOM tone curve
- ✓ Palette with 68 billion color tones for precise color reproduction with up to 12 bits
- ✓ Calibration of white point and tonal characteristics
- ✓ Automatic control of luminance distribution (Digital Uniformity Equalizer)
- ✓ Prepared for acceptance and constancy testing according to DIN 6868-157 and QS-RL
- ✓ 5-year warranty for highest investment security

Technical Data

GENERAL

Item no.	MX232W-DT
Case color	White
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Dentist, Dental diagnostic room

SCREEN

Screen size [in inches]	23
Screen size [in cm]	58,4
Format	16:9
Viewable image size (width x height) [in mm]	509 x 286
Resolution in MP	2 Megapixels (colour)
Ideal and recommended resolution	1920 x 1080 (Full HD)
Pixel pitch [in mm]	0,265 x 0,265
Supported resolutions	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	68 billion colour tones / 12 bit
Max. brightness (typical) [in cd/m ²]	300
Factory calibrated brightness [in cd/m ²]	230
Max. dark room contrast (typical)	1000:1
Backlight	LED

FEATURES & OPERATION

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

CONNECTIONS

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

ELECTRICAL DATA

Frequency	Digital: 30,5-67,5 kHz/58,5-61,5 Hz; Analog: 30,5-67,5 kHz/58,5-61,5 Hz
Maximum Power Consumption [in watts]	53 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	0,5
Power consumption with power switch off [in watts]	0
Power supply	AC 100-120 V / 200-240 V, 50/60 Hz

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	544 x (387 - 537) x 245
Weight (incl. stand) [in kg]	7.7
Weight (without stand) [in kg]	4.9
Rotatability of the stand [in °]	344
Tiltability forwards/backwards [in °]	5 / 35
Pivot between portrait / landscape	clockwise
Height adjustment range [in mm]	150
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certification	CE (Medical Device), CSA C22.2 Nr. 601-1, EN60601-1, IEC60601-1, UL60601-1, C-Tick, FCC-B, CAN ICES-3 (B), VCCI-B, RoHS, WEEE, CCC, GOST-R
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SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	RadiCS LE
Other box contents	Signal cable DVI-D - DVI-D, USB cable (Type A - Type B), Signal cable DisplayPort - DisplayPort, Manual via download, Power cord
Accessories	RadiNET Pro, RadiCS (UX2-Kit)

WARRANTY

Warranty periode	5 years
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