→ **Product Website**

2-megapixel medical monitor

Thanks to DICOM® tone curve, the MX217-HB displays radiological images true to the object. The calibrated brightness is 340 cd/m2. This makes it suitable for dental radiological reporting in room class 6 (treatment room). The monitor convinces with its clear and high-contrast image reproduction.

✓ 2-megapixel colour screen with 340 cd/m2 factory calibrated brightness and 500 cd/m2 maximum brightness

✓ Clear recognition of structures through high contrast and blur reduction

✓ Effortless quality assurance and built-in calibration sensor for semi-automated constancy testing

✓ Palette with 543 billion shades for precise colour reproduction with up to 10 bits

✓ 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

✓ Ergonomic design with slim housing frame

✓ 5-year warranty for highest investment security

Technical Data

GENERAL

Item no.	MX217-HB
Case color	Black
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Dentist, Dental treatment room, Orthopedics
EAN	4995047065005

SCREEN

Screen size [in inches]	21
Screen size [in cm]	54
Format	3:4
Viewable image size (width x height) [in mm]	324 x 432
Resolution in MP	2 Megapixels (colour)
Ideal and recommended resolution	1200 x 1600
Pixel pitch [in mm]	0,27 x 0,27
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]	500
Factory calibrated brightness [in cd/m²].	340
Max. dark room contrast (typical)	1800:1
Backlight	LED

CONNECTIONS

Signal inputs	DisplayPort, DVI-D
Signal outputs	1x DisplayPort (HDCP 1.2)
Daisy-chain capable	✔
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), 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

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FEATURES & OPERATION

Preset color/greyscale modes	1x manual memory location, Text, sRGB, Paper, DICOM, additional memory spaces through calibration
DICOM tone curve	✔
Hardware calibration of brightness and light density characteristic curve	✔
Digital Uniformity Equalizer (homogeneity correction)	✔
Hybrid Gamma PXL	✔
Blur reduction	✔
Sensors	Ambient Light Sensor, Integrated luminance sensor, 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, Skip color mode, OSD language, Signal input, Key lock, Blur reduction
Integrated power unit	✔

ELECTRICAL DATA

Frequency	Digital: 31-100 kHz/59-61 Hz
Power consumption (typical) [in watts]	23
Maximum Power Consumption [in watts]	54 (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

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	357 x 482-572 x 200
Weight (incl. stand) [in kg]	7.2
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand [in °]	70
Tiltability forwards/backwards [in °]	5 / 30
Pivot between portrait / landscape	anti-clockwise
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), MED-XN43, RadiNET Pro
Recommended graphics card	MED-XN43

WARRANTY

Warranty periode	5 years