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1-megapixel medical monitor

The 19-inch MX194 with a traditional 5:4 aspect ratio stands out thanks to its factory-preset DICOM® characteristic curve, which guarantees faithful reproduction of radiological images in greyscale. The one megapixel screen achieves consistently stable brightness levels thanks to LED technology. The MX194 also shines in terms of colour purity and illumination thanks to the Digital Uniformity Equalizer. This allows the monitor to correctly display hues and greyscale tones of radiological images across the entire screen. That is ideal for clinical review of images from digital image distribution. In summary, the MX194 is ideally suited for referring medical specialists.

- ✓ 1.3 megapixel colour LCD monitor
- ✓ Grey tone rendering with DICOM® characteristic curve
- ✓ Homogenous display surface with automatic luminance distribution control (Digital Uniformity Equaliser)
- ✓ Automatic luminance control
- ✓ DisplayPort, DVI-D and D-sub inputs for digital and analogue connection
- ✓ 5-year warranty for highest investment security

Technical Data

GENERAL

Item no.	MX194
Case color	Black
Areas of application	Healthcare
Product line	RadiForce
EAN	4995047052777

SCREEN

Screen size [in inches]	19
Screen size [in cm]	48,1
Format	4:5
Viewable image size (width x height) [in mm]	301 x 376
Resolution in MP	1.3 Megapixels (colour)
Ideal and recommended resolution	1280 x 1024
Pixel pitch [in mm]	0,29 x 0,29
Panel technology	VA
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 (D-Sub, 8 Bit), 16.7 million colors (DVI, 8 Bit)
Color palette/look-up table	543 billion colour tones / 13 bit
Max. brightness (typical) [in cd/m ²]	350
Factory calibrated brightness [in cd/m ²]	180
Max. dark room contrast (typical)	2000:1
Max. refresh rate [in Hz]	60
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)	✓
Sensors	Ambient Light Sensor, Backlight Sensor
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	D-Sub, DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4)
USB specification	USB 2
USB upstream ports	1 x type B
Graphic signal	DVI Single Link (TMDS), RGB Analog, DisplayPort

ELECTRICAL DATA

Frequency	Digital: 31-64 kHz/59-61 Hz; Analog: 24,8-80 kHz/50-75 Hz
Power consumption (typical) [in watts]	15
Maximum Power Consumption [in watts]	28 (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]	405 x 406,5-506,5 x 205
Weight (incl. stand) [in kg]	6
Weight (without stand) [in kg]	4.2
Dimension drawing (PDF)	Dimension drawing (PDF)
Tiltability forwards/backwards [in °]	0 / 30
Pivot between portrait / landscape	clockwise
Height adjustment range [in mm]	100
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certification	CE (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, EAC
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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, Power cord
Accessories	RadiNET Pro, RadiCS (UX2-Kit), MED-XN43
Recommended graphics card	MED-XN43

WARRANTY

Warranty periode	5 years
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