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5-megapixel medical monitor

Mammography is increasingly being used in combination with ultrasound for breast cancer screenings on patients with high breast density. More in-depth checks include biopsies as well as breast MRIs and CTs. This range of options requires colour monitors for image reproduction. The RadiForce RX560 is the world's first medical colour monitor that uses an LCD on an LTPS (lowtemperature polysilicon) basis. This is why it fulfills the brightness requirements applicable for mammograms, which are usually only achieved by greyscale monitors. This monitor achieves a brightness of up to 1100 cd/m². It reproduces top-quality images from the various types of diagnostic methods. Its high contrast ratio of 1500:1 is close to that of a monochrome monitor. Moreover, it displays deep black tones without a 'washed-out' effect.

- ✓ Two 5-megapixel colour LCD screens with consistently high and stable brightness for clear mammogram imaging
- ✓ Clear perceptibility of microstructures through high contrast and Sharpness Recovery technology
- ✓ Palette with 543 billion hues for precise colour reproduction (10-bit resolution max.)
- ✓ Hybrid gamma PXL functionality for precise display, down to the pixel, of greyscale and colour images with the required luminance characteristic curve
- ✓ Homogenous display surface with automatic luminance distribution control (Digital Uniformity Equalizer)
- ✓ Set up for calibration, acceptance, and consistency testing in accordance with DIN 6868-157 and QS-RL
- ✓ Effortless quality control and built-in calibration sensor
- ✓ Light sensor to measure ambient light at the diagnostic station
- ✓ Compact dual-screen solution through a shared stand with narrow bezels and ergonomic design

Technical Data

GENERAL	
Item no.	RX560-MD
Case color	Bicolor, black and white
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Mammography, Nuclear medicine and radiotherapy, Non-destructive-testing
EAN	4995047051404
SCREEN	
Screen size [in inches]	21,3
Screen size [in cm]	54,1
Format	4:5
Viewable image size (width x height) [in mm]	338 x 422
Resolution in MP	5 Megapixels (colour)
Ideal and recommended resolution	2048 x 2560
Pixel pitch [in mm]	0,165 x 0,165
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]	1100
Recommended brightness [in cd/m²]	500
Max. dark room contrast (typical)	1500:1
Backlight	LED
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)	✓
Hybrid Gamma PXL	✓
Blur reduction	✓
Sensors	Ambient Light Sensor, Presence sensor
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	DICOM tonal value, Brightness, Gamma, Scaling, OSD language
Integrated power unit	✓
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	DisplayPort, DVI Dual Link (TMDS)
Control port	USB-Protocol
ELECTRICAL DATA	
Frequency	Digital: 31-135 kHz/23-61 Hz; Sync Mode: 23,5-25,5 Hz/47-51 Hz
Power consumption (typical) [in watts]	43
Maximum Power Consumption [in watts]	87 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	1
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]	709 x 476-566 x 225
Weight (incl. stand) [in kg]	17.3
Weight (without stand) [in kg]	5.3
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand [in °]	70
Tiltability forwards/backwards [in °]	5 / 25
Pivot between portrait / landscape	clockwise
Height adjustment range [in mm]	90
Hole spacing	100 x 100
CERTIFICATION & STANDARDS	
Certification	CE (Medical Device), FDA 510(k) release for chest-to-mosynthesis and mammography, 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
SOFTWARE & ACCESSORIES	
Accompanying software and other accessories are available for download	RadiCS LE
Other box contents	2x Signal cable DVI-D - DVI-D (dual link), 2x Signal cable DisplayPort - DisplayPort, 1x short signal cable DisplayPort - DisplayPort, USB cable (Type A - Type B), Manual via download, Power cord
Accessories	RadiNET Pro, RadiCS (UX2-Kit), RadiLight
Recommended graphics card	MED-XN83



RadiForce **RX560-MD**

WARRANTY

Warranty periode	5 years
Included warranty	The warranty additionally covers normal wear and tear of the backlight when operated at a recommended maximum brightness of 500 cd/sqm and a white point of 7,500 K. EIZO guarantees this brightness for a period of 5 years from the date of purchase or for 20,000 hours of operation, whichever comes first.

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