→ **Product Website**

2-megapixel medical monitor

The RX270 meets the highest demands for radiological image reproduction on 2-megapixel screens. It reliably displayed monochrome images using DICOM®-GSDF luminance characteristics. Such images typically require a high level of brightness and contrast to clearly see fine details. The RX270 offers a high maximum brightness of 1000 cd/m2 and has a contrast ratio of 1800:1. It therefore outperforms even typical monochrome monitors with the same resolution and enables the precise display of even very deep grey tones. It also reproduces colour images with optimal luminance thanks to its Hybrid Gamma PXL function. Using the recommended brightness of 500 cd/m2 for daily operation ensures a long life of the monitor. At the same time, the built-in calibration sensor maintains the display characteristics and keeps them consistent. This makes the monitor ideal for displaying colour images from endoscopy, ultrasound and nuclear medicine, as well as monochrome images from CT, MRI and Xray.

- ✓ Comfortable 2-megapixel colour screen for radiological diagnostics
- ✓ Clear recognition of structures through high contrast and blur reduction
- ✓ Palette with 543 billion shades for precise colour reproduction with up to 10 bit
- ✓ 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)
- ✓ Effortless quality assurance and built-in calibration sensor
- ✓ Light sensor for measuring the ambient light at the diagnostic station
- ✓ Ergonomic design with fresh, clean aesthetics
- ✓ Compact dimensions and narrow housing frame
- ✓ 5-year warranty for highest investment security

Technical Data

GENERAL

Item no.	RX270
Case color	Bicolor, black and white
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Pojection radiography, Computed tomography/ MR imagine, Orthopedics, Nuclear medicine and radiotherapy, Non-destructive-testing
EAN	4995047063766

SCREEN

Screen size [in inches]	21,3
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]	1000
Recommended brightness [in cd/m²]	500
Max. dark room contrast (typical)	1800:1
Response time black/white/black change (typical)	20
Backlight	LED

FEATURES & OPERATION

Preset color/greyscale modes	2x manual memory locations, Text, sRGB, 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
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	DICOM tonal value, Brightness, Gamma, Color saturation, Resolution, Scaling, OSD language, Blur reduction
Button Guide	✔
Integrated power unit	✔

CONNECTIONS

Signal inputs	2x DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4)
USB specification	USB 2
USB upstream ports	2 x type B
USB downstream ports	1 x type C (DisplayPort Alt Mode, 15 W max.), 2x type A
Graphic signal	DVI Single Link (TMDS), DisplayPort

ELECTRICAL DATA

Frequency	Digital: 31-100 kHz/59-61 Hz; Bildsynchroner Modus: 59-61 Hz
Power consumption (typical) [in watts]	33
Maximum Power Consumption [in watts]	98 (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 100-240V, 50/60Hz

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	356,5 x 482-572 x 200
Weight (incl. stand) [in kg]	7.7
Weight (without stand) [in kg]	4.9
Dimension drawing (PDF)	Dimension drawing (PDF)
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

CERTIFICATION & STANDARDS

Certification	CE (Medical Device), ANSI/AAMI ES60601-1, CSA C22.2 Nr. 601-1, IEC60601-1, UKCA, CB, RCM, FCC-B, CAN ICES-3 (B), VCCI-B, RoHS, WEEE, China RoHS, CCC

SOFTWARE & ACCESSORIES

Accompanying software and other accessories are available for download	RadiCS LE
Other box contents	2x Signal cable DisplayPort - DisplayPort, 2x USB cable (Type A - Type B), Power cord
Accessories	RadiNET Pro, RadiCS (UX2-Kit), RadiLight, MED-XN43
Recommended graphics card	MED-XN43

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. With a maximum brightness of 400 cd/sqm, the number of operating hours increases to 30,000.