→ **Product Website**

12-megapixel medical monitor

A resolution of 12 megapixels allows the RX1270 to effectively replace conventional dual-monitor solutions at diagnostic stations with one single device. Because it facilitates virtually any hanging protocol, users enjoy the utmost ergonomics during diagnostics. As a universal device for greyscale and colour images, its fine dot pitch of 0.155 mm offers a detailed view of radiological images, such as mammograms and microstructures. It clearly and simultaneously depicts a wide variety of images on its 78.4 cm screen diagonal – thus streamlining and optimising work processes in radiological diagnostics. The large monitor requires far less desk space than several individual devices. Fewer head movements means an increase in comfort when viewing the display. The individually controllable, comfort lighting at the back of the monitor and the spotlight at the front ensure greater ergonomics in an otherwise dark reading room.

- ✔ Compact and convenient all-rounder in radiological diagnostics with 12 megapixels
- ✔ High contrast levels and Sharpness Recovery technology enable imaging of microstructures with clarity
- ✔ Palette with 543 billion hues for precise colour reproduction (max. 10-bit)
- ✔ 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 (DUE)
- ✔ Set up for calibration, acceptance, and consistency testing in accordance with DIN 6868-157 and QS-RL
- ✔ Flexible hanging protocols for maximum convenience during diagnostics
- ✔ Effortless quality control and built-in calibration sensor
- ✔ Convenient background light and spotlight for ideal illumination during diagnostics
- ✔ 5-year warranty for highest investment security

Technical Data

GENERAL

Item no.	RX1270
Case color	Bicolor, black and white
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Mammography, Pojection radiography, Pathology, (when using EIZO monitors for pathology, it is recommended to evaluate the entire system including the scanner), Nuclear medicine and radiotherapy, Non-destructive-testing

SCREEN

Screen size [in inches]	30,9
Screen size [in cm]	78,4
Format	3:2
Viewable image size (width x height) [in mm]	652,7 x 435,1
Resolution in MP	12 Megapixels (colour)
Ideal and recommended resolution	4200 x 2800
Pixel pitch [in mm]	0,1554 x 0,1554
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 (DisplayPort, 8 Bit), 16.7 million colors (HDMI, 8 Bit)
Color palette/look-up table	543 billion colour tones / 13 bit
Max. brightness (typical) [in cd/m²]	1200
Recommended brightness [in cd/m²]	500
Max. dark room contrast (typical)	1500:1
Backlight	LED

FEATURES & OPERATION

Preset color/greyscale modes	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
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	DICOM tonal value, Brightness, Gamma, OSD language
Integrated power unit	✔

CONNECTIONS

Signal inputs	2x DisplayPort (HDCP 1.3), HDMI (HDCP 1.4)
USB specification	USB 2
USB upstream ports	2 x type B
USB downstream ports	3 x type A
Graphic signal	DisplayPort, HDMI (RGB, YUV)
Control port	USB-Protocol

ELECTRICAL DATA

Frequency	Digital: 31-175 kHz/29-61 Hz
Power consumption (typical) [in watts]	77
Maximum Power Consumption [in watts]	188 (at maximum brightness with all signal inputs and USB ports in use)
Max. Power consumption in stand-by mode [in watts]	2
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]	689,8 x 508-608 x 225
Weight (incl. stand) [in kg]	15.6
Weight (without stand) [in kg]	11.5
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand [in °]	70
Tiltability forwards/backwards [in °]	5 / 25
Height adjustment range [in mm]	90
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certification	CE (Medical Device), FDA 510(k) release for chest-tomosynthesis 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	1x short signal cable HDMI - HDMI, 2x Signal cable DisplayPort - DisplayPort, Manual via download, Power cord
Accessories	RadiNET Pro, RadiCS (UX2-Kit), MED-XN83
Recommended graphics card	MED-XN83

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 8,000 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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