RadiForce **RX370**

Product Website

The 3 megapixel resolution and high brightness of the RadiForce RX370 are perfect for the precise display of radiology images. Greyscale images, especially of thorax and fine structures, as well as colour images from 3D reconstructions and the combination of different imaging techniques, benefit from the high image quality. If desired, the RX370' Hybrid Gamma PXL function automatically selects the luminance characteristics that matches the image. For example, monochrome X-ray images are displayed with DICOM® greyscale characteristics, while the luminance of other images follows a gamma function. The work-and-flow features of the RX370 include the instant backlight booster. This feature temporarily adjusts the brightness of the monitor up to approx. 1100 cd/m2 in order for the radiologist to be able to recognise greyscale differentiation. The brightness automatically returns to the original setting after a short time, allowing the screen to be used under typical diagnostic conditions. The RX370's design and technology offer both ergonomic comfort and unparalleled image precision for use in modern radiology. Even the packaging materials used for the RX370 is exemplary. Instead of polystyrene which previous models have used, a padding made of moulded pulp cellulose is within each RX370 box. This is made from recycled cardboard and paper, all helping to reduce EIZO's ecological footprint.

- Compact and comfortable 3-megapixel colour screen for radiology reporting
- 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 appropriate gamma curve characteristics
- Uniform homogeneous display surface due to automatic control of luminance distribution (DUE)
- Prepared for calibration, acceptance and constancy testing according to local standards such as IPEM / AAPM Primary, DIN 6868-157 and QS-RL
- Effortless quality assurance and built-in calibration sensor
- Light sensor for measuring the ambient light within the reporting location
- Ergonomic design with fresh, clean aesthetics
- Compact dimensions and narrow housing frames

Technical Data

GENERAL

Item no.	RX370
Case color	Bicolor, black and white
Areas of application	Healthcare
Product line	RadiForce
Areas of application	Pojection radiography, Computed tomography/MR imagine, Nuclear medicine and radiotherapy, Non-destructive-testing
EAN	4995047057994

SCREEN

Screen size [in inches]	21,3
Screen size [in cm]	54,1
Format	3:4
Viewable image size (width x height) [in mm]	324,9 x 433,2
Resolution in MP	3 Megapixels (colour)
Ideal and recommended resolution	1536 x 2048
Pixel pitch [in mm]	0,2115 x 0,2115
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)
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)	1800:1
Response time black/white/black change (typical)	25
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)	✓
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, 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)
Signal outputs	1x DisplayPort (HDCP 1.2)
Daisy-chain capable	✓
USB specification	USB 2
USB upstream ports	2 x type B
USB downstream ports	1 x type C (15 W charging function), 2x type A
Graphic signal	DVI Single Link (TMDS), DisplayPort

ELECTRICAL DATA

Frequency	Digital: 31-127 kHz/29-61,5 Hz; Sync Mode: 29,5-30,5 Hz/59-61 Hz
Power consumption (typical) [in watts]	36
Maximum Power Consumption [in watts]	105 (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
Power supply via USB-C	15

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	341,3 x 481,5-571,5 x 200
Weight (incl. stand) [in kg]	8
Weight (without stand) [in kg]	5.2
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand	70
Tiltability	5 / 30
Pivot between portrait / landscape	90° (clockwise)
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

Certification	CE (Medical Device), ANSI/AAMI ES60601-1, CSA C22.2 Nr. 601-1, IEC60601-1, UKCA, 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 DisplayPort - DisplayPort, 2x USB cable (Type A - Type B), Manual via download, Power cord
Accessories	RadiNET Pro, RadiCS, MED-XN72
Recommended graphics card	MED-XN72

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.

Find your EIZO contact:
EIZO Europe GmbH
Belgrader Straße 2
41069 Mönchengladbach
Phone: +49 2161 8210-0
www.eizo.eu