



[→ Product Website](#)

2-megapixel medical monitor

The RX270 meets the highest demands for radiological image reproduction on 2-megapixel screens. It reliably displays 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 | | FEATURES & OPERATION | |
|---|--|---|---|
| Item no. | RX270 | Preset color/greyscale modes | 2x manual memory locations, Text, sRGB, DICOM, additional memory spaces through calibration |
| Case color | Bicolor, black and white | DICOM tone curve | ✓ |
| Areas of application | Healthcare | Hardware calibration of brightness and light density characteristic curve | ✓ |
| Product line | RadiForce | Digital Uniformity Equalizer (homogeneity correction) | ✓ |
| Areas of application | Projection radiography, Computed tomography/ MR imagine, Orthopedics, Nuclear medicine and radiotherapy, Non-destructive-testing | Hybrid Gamma PXL | ✓ |
| EAN | 4995047063766 | Blur reduction | ✓ |
| SCREEN | | Sensors | Ambient Light Sensor, Integrated luminance sensor, Backlight Sensor |
| Screen size [in inches] | 21,3 | On-screen menu languages | de, en, fr, es, it, se |
| Screen size [in cm] | 54 | Adjustment options | Pathology tonal value, Brightness, Gamma, Color saturation, Resolution, Scaling, OSD language, Blur reduction |
| Format | 3:4 | Button Guide | ✓ |
| Viewable image size (width x height) [in mm] | 324 x 432 | Integrated power unit | ✓ |
| Resolution in MP | 2 Megapixels (colour) | ELECTRICAL DATA | |
| Ideal and recommended resolution | 1200 x 1600 | Frequency | Digital: 31-100 kHz/59-61 Hz; Bildsynchroner Modus: 59-61 Hz |
| Pixel pitch [in mm] | 0,27 x 0,27 | Power consumption (typical) [in watts] | 33 |
| Panel technology | IPS | Maximum Power Consumption [in watts] | 98 (at maximum brightness with all signal inputs and USB ports in use) |
| Max. viewing angle horizontal | 178 | Max. Power consumption in stand-by mode [in watts] | 1 |
| Max. viewing angle vertical | 178 | Power consumption with power switch off [in watts] | 0 |
| 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) | Power supply | AC 100-240V, 50/60Hz |
| Color palette/look-up table | 543 billion colour tones / 13 bit | DIMENSIONS & WEIGHT | |
| Max. brightness (typical) [in cd/m ²] | 1000 | Dimensions (incl. stand) (width x height x depth) [in mm] | 356,5 x 482-572 x 200 |
| Recommended brightness [in cd/m ²] | 500 | Weight (incl. stand) [in kg] | 7.7 |
| Max. dark room contrast (typical) | 1800:1 | Weight (without stand) [in kg] | 4.9 |
| Response time black/white/black change (typical) | 20 | Dimension drawing (PDF) | Dimension drawing (PDF) |
| Backlight | LED | Rotatability of the stand [in °] | 70 |
| CONNECTIONS | | Tiltability forwards/backwards [in °] | 5 / 30 |
| Signal inputs | 2x DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4) | Pivot between portrait / landscape | anti-clockwise |
| USB specification | USB 2 | Height adjustment range [in mm] | 90 |
| USB upstream ports | 2 x type B | Hole spacing | 100 x 100 |
| USB downstream ports | 1 x type C (DisplayPort Alt Mode, 15 W max.), 2x type A | | |
| Graphic signal | DVI Single Link (TMDS), DisplayPort | | |
| 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 | RadiCS (UX2-Kit) (The EIZO software is capable of complete quality management – from calibration through asset management to acceptance and constancy testing.), RadiLight (Comfort Light for Reading Rooms), MED-XN43 (MED-XN43, optimal speed for 2D radiology), RadiNET Pro (EIZO software for network-based quality management in large facilities – with remote functionality for monitors) |
| 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. |
