



EIZO RadiForce™ RX211

2 megapixel colour LCD monitor

Introducing RadiForce RX211, a colour and monochrome picture on one display. Its high brightness of 750cd/m² enables class A diagnosis of limbs, spines, stomachs and urinary tracts, which up to now in terms of quality was only possible with monochrome displays. The monitor can achieve a maximum contrast of 1100:1. Controlling the reproduction of colour tones is so precise, enabling accurate calibration of the DICOM reproduction curve. The result is the perfect differentiability between the grayscale and colour tones. This also contributes to the diagnostic displaying of sections and 3D segmentations. RadiForce RX211: colour monitor for the greatest demands in radiology.

- ◆ Exceptionally high brightness, up to 750 cd/m²
- ◆ Colour palette of 68 million shades for precise colour reproduction
- ◆ Automatic brightness distribution regulation (Digital Uniformity Equalizer)
- ◆ Suitable for calibration, drop and brightness constancy control in compliance with DIN V 6868-57 and QS-RL
- ◆ 5 year warranty

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Main features

Exceptional picture quality

First class picture quality is achieved thanks to its high resolution of 1600 x 1200 pixels, 1100:1 contrast ratio and maximum brightness of 750 cd/m². It doesn't matter whether you are sitting directly in front of the monitor or on the side, or which part of the monitor you are looking at - even if you change your viewing angle, all shades of gray are well visible.

Precise colour control

Colour reproduction is controlled by the internal 12bit LUT (Look-Up-Table). This helps achieving a much more accurate grading of colour information than with an 8bit LUT. Individual calibration of the white pixel and tone curve are performed using the optional RadiCS LE software, developed by EIZO.

CalSwitch

This function offers a total of four picture modes with various preset values of brightness, colour temperature and tone curve. With a push of a single button or by changing Windows settings, you can immediately achieve the ideal setup for the given purpose of use (DICOM, Custom, CAL and Text modes). The monitor can automatically switch to calibration mode (CAL), if for instance monitoring software is used. The DICOM tone curve, corresponding to clear film, is preset.

Automatic brightness regulation

It is necessary to maintain a homogeneous distribution of brightness throughout the entire display area in order to achieve precise picture reproduction. The Digital Uniformity Equalizer, a special circuitry, automatically corrects brightness non-uniformity for each pixel through the 12bit LUT.

DIN V 6868-57

Display features, particularly brightness and contrast, enable the classification of picture observation into categories A and B in compliance with DIN V 6868-57.

Brightness stabilization

A sensor, invisibly placed inside the monitor, constantly measures the brightness. The defined or calibrated values are achieved within seconds after switching on the monitor and are maintained constant during operation.

Backlight Saver

The Backlight Saver function limits the wearing of the monitor backlight. This function can work automatically and is part of the ScreenManager Pro Medical software. Similar to a screen saver, the Backlight Saver function turns off the backlight lamps, when the monitor is not in use.

Automatic duration of use analysis

This function (Lifetime Expectancy Analyzer) constantly measures the duration of use and wearing of backlight lamps. This service information is used by the software in order to ensure the quality of RadiCS as a foundation for calculating the remaining service life at recommended brightness.

RadiCS

Optional software for calibration and testing, as well as stability of brightness. With the respective sensor, RadiCS offers a large amount of tests and automatic adjustments for securing the constant and consistent reproduction for all RadiForce monitors.

Standards



Technical specifications

Panel size	54 cm (21.3 inches) TFT LCD
Picture reproduction	2 megapixels, colour picture
Display quality	Recommended for displaying situations in compliance with DIN V 6868-57 categories A and B
Housing colour	Black
Picture orientation	Landscape and portrait
Viewable image size (W x H)	324 mm x 432 mm (portrait)
Viewable image size - diagonal	540 mm
Ideal/Recommended resolution	1 200 x 1 600 pixels
Pixel pitch	0.270 mm x 0.270 mm
Display colours	16,7 million out of 4.096 ³ colours (8 Bit out of 12 Bit on RGB)
Grayscale calibration	Yes
Brightness stability measuring	Yes
Max. brightness	750 cd/m ² (typical)
Recommended brightness	300 cd/m ² at 7500 K
Max. contrast	1100:1 (typical)
Max. Viewing angle	Horizontal: 170°; Vertical: 170°
Special functions	SlimEdge design, 12bit Look-Up-Table, automatic brightness stability regulation, tone curve calibration via RadiCS, e.g. DICOM, automatic brightness distribution regulation (DUE), green component synchronization or separately, automatic duration of use analysis, CAL-Switch, Backlight Saver, On-Screen Display, integrated power source
Adjustment functions	brightness, Gamma correction, colour saturation, resolution, DICOM tone curve, OSD language (German, English, French, Swedish, Spanish, Italian), interpolations, Off timer
Horizontal frequency	Analogue: 24 to 100 khz Digital: 31 to 100 kHz
Vertical frequency	Analog: 49 to 86 Hz Digital: 59 to 61 Hz
Video bandwidth	Analogue: 202.5 MHz, Digital: 162 MHz
Viedo inputs	DVI-D and DSub
Power Management	VESA DPMS and DVI-DMPM
Power consumption	max. 115 W, 3 W Power save mode
Dimensions (W x H x D)	376 mm x 523-605 mm x 209 mm (portrait, with stand)
Net weight	9.4 kg (with stand)
Rotation / Tilt	35° right/left, 40° backwards
Height adjustability	82 mm
Standards	TÜV GM, CE (EN 60601-1, EN 60601-1-2)
USB-Hub	1 Upstream/ 2 Downstream, Rev. 2.0
Accessories	Manual (German, English and French), ScreenManager Pro for Medical Software on CDROM, power cable, USB cable, signal cable
Service*	5 year warranty

* The warranty on this product is 5 years from the date of purchase. The warranty applies to common wearing of the backlight, which is operated at a maximum recommended brightness of 300 cd/m². EIZO guarantees this brightness for a period of 5 years or for 10 000 operating hours, which comes first.

