



EIZO RadiForce™ G11

1.3 MP monochrome monitor

A versatile 18.1 inch monitor with a resolution of 1.3 MP, the G11 simultaneously displays up to 256 greyscale tones from a total of 1,531. The G11 is ideal for displaying images of the spinal column, the pelvis and the masticatory system and is ideal for orthopaedic surgeons and dentists. The G11 has both, digital and analogue inputs making it suitable to replace CRT monitors in the existing display environment. It also features a colour-to-greyscale conversion functionality.

- Palette of 1531 grayscale tones for accurate monochrome display
- Sensor for constant brightness control
- Prepared for calibration, acceptance and consistency testing to DIN 6868-57 and QS-RL
- Digital and analogue signal inputs

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Features

Outstanding image quality

With a resolution of 1.3 megapixels (1280 x 1024 pixels) and a brightness of 700 cd/m², the picture quality is really exceptional. The fact that the screen can display 256 grey-scale values (from a range of 1531) makes it suitable for the exact display of X-rays (for example).

SlimEdge, Smart Space-Saving Design

The modern LCD module with extremely narrow bezels allows for a very compact case that makes the display no wider than 399 mm (landscape format). The bezel itself is only 19 mm wide, meaning that the screen never loses its symmetry, regardless of whether it is used for landscape or portrait format.

Very Stable Contrast The unit continues to provide excellent, realistic contrast between a huge range of grey-scale values whether the observer is directly in front of the screen or off to the side, regardless of the picture area viewed and even if the angle of view changes.

Luminosity Control

A sensor (mounted invisibly behind the image plane) constantly monitors the luminosity. Defined or calibrated values are reproduced exactly just seconds after the monitor is switched on.

Satisfies DIN 6868-57

The device's display characteristics, particularly its brightness and contrast performance, make it capable of satisfying DIN 6868-57 display requirements for application categories A and B.

Digital and Analogue Graphics Signals

Both analogue and digital signals can be fed in via the DVI-I input.

RGB-Mix-Mode (Colour-to-greyscale conversion)

Colour signals are converted into grey-scale values internally. The grey-scale values are acquired from all three colour signals, as opposed to just from green as is normally the case. The dynamic range of the whole signal is retained.

RadiCS

Optional software for calibration, acceptance and constancy tests. RadiCS with an external sensor offers extensive and automatic adjustments to ensure accurate and consistent diagnostic imaging on all RadiForce screens.

Screen Administrator

EIZO's Screen Administrator program can be accessed via the USB connector. Screen Administrator is an optional software package for asset management and remote control via a network.

Certifications



Specifications

Screen size	48 cm (18.1 inch) TFT LCD
Image display	1.3 MP, grey-scale
Display quality	Satisfies DIN 6868-57 norms for application categories A and B
Cabinet colour	Black
Image orientation	Landscape and portrait
Viewable image size (W x H)	359 mm x 287 mm (landscape)
Diagonal	459 mm
Native resolution	1280 x 1024 pixels
Pixel distance	0.280 mm x 0.280 mm
Depictable Grey-Scale values	1531 (10.5 bit)
Greyscale calibration	Yes
Brightness stabilisation control	Yes
Max. brightness	700 cd/m ² (typical)
Max. contrast	600:1 (typical)
Max. viewing angle	Horizontal: 170°; vertical: 170°
Features	SlimEdge case (bezel 19 mm), automatic picture size and position, RGB-mix, on-screen display, PowerManager, integrated power supply
Adjustable settings	Contrast, brightness, clock, phase, image position, resolution
Horizontal frequency	Analog: 27 to 82 kHz Digital: 27 to 64 kHz
Vertical frequency	Analogue: 50 to 85 kHz Digital: 60 Hz
Video bandwidth	Analogue: 135 MHz Digital: 108 MHz
Video input	DVI-I
Power Management	VESA and DVI-DMPM
Power consumption	Max. 60 watts, 8 watts in Save mode, automatic switch-off
Dimensions (W x H x D)	399 mm x 404-504 mm x 203 mm (landscape with stand)
Weight	7.8 kg (with stand)
Swivel/tilt	35° right/left, 40° Up
Height adjustment	100 mm
Certification	TÜV GM, CE (EN 60601-1, EN 60601-1-2)
USB ports	1 upstream/2 downstream, Rev. 1.1
Accessories	Manual in German, English and French, power cable, USB cable and signal cable
Warranty	3 years, subject to conditions
Recommended graphics card	Matrox MED2MP

With current LCD technology, a panel may contain a limited number of missing or flickering pixels

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