



EIZO RadiForce™ GS320

3 Megapixel Monochrome Monitor

With the GS320 3MP monitors an entire chest CR can be displayed, offering highly refined rendering of extremely delicate grayscale shadings. In continuously striving for the highest level of safety and quality while contributing to long-term cost reduction, EIZO offers a five-year warranty.

- u 3M pixel (1536x2048)
- u 10-bit grayscale (1024 levels, 8161 in LUT)
- u Viewing angles H170°/V170°
- u Contrast min 850:1 Max brightness 1000 cd/m²
- u Calibrated brightness 450 cd/m²
- u Hardware calibration/quality assurance, optional

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Features

10-Bit Simultaneous Grayscale Display
10-bit (1,024 tones) from a 13-bit look-up table (8,161 tones) can be displayed simultaneously for high-definition medical imaging.
10-bit graphics board and 10-bit viewer software needed for 10-bit display.

DUE for Brightness Uniformity

The Digital Uniformity Equalizer (DUE) function provides optimum backlight luminance uniformity which is considered difficult to attain due to the characteristics of LCD monitors.

Calibration Mode Selection

Selectable with the front panel buttons, the CAL Switch function allows for various calibration modes of different modalities such as CR, CT, and endoscope images. Furthermore, with ScreenManager Pro for Medical installed, auto mode settings can be made with the Auto CAL Switch function.

Independent Image Setting (IIS)

With the bundled ScreenManager Pro for Medical software, the Independent Image Setting (IIS) function allows for any specific area of an image to be adjusted and pre-set to various grayscale gradations and luminance levels.

Backlight Saver

With ScreenManager Pro for Medical utility software installed, the Backlight Saver function allows for the monitor's backlight to turn off when the screen saver is activated and the monitor's backlight to turn on when the computer comes out of the screen saver mode. This function helps to reduce power consumption when the monitor is used for a prolonged period of time.

RadiCS

Optional software that manages calibration, acceptance and consistency testing. RadiCS, in conjunction with a purpose designed sensor, provides extensive testing and automatic adjustment facilities that assure constant and consistent image display quality on all RadiForce monitors.

Specification

Panel Type	54 cm (21.3") TFT Monochrome Monitor
Image Display	3 Megapixel
Available Colour	Black
Active Display Size	324.8 x 433.1 mm
Viewable Image Size	Diagonal: 541 mm
Native Resolution	1536 Pixels x 2048 Pixels
Pixel Pitch	0.2115 x 0.2115 mm
Display Colours	1024 from a palette of 8161 tones
Max Brightness	1000 cd/m ² (typical)
Max Contrast	850:1 (typical)
Viewing Angle	Horizontal: 170° Vertical: 170°
On/Off Response Time	23 ms (typical)
Features	SlimEdge design, 10 Bit Simultaneous Grayscale display, independent Image setting with bundled ScreenManager Pro. Digital Uniformity Equalizer function in, calibration mode, LCD Panel Protector
Adjustments Functions	Contrast, brightness, image position, resolution
Horizontal Frequency	Digital: 31 - 100 kHz
Vertical Frequency	Digital: 48 - 71,5 Hz
Dot Clock	165 MHz
Input Signal	DVI Standard 1.0
Input Terminal	DVI-D 24 pin
Power Save Settings	Less than 3 Watts
Power Consumption	115 Watts
Dimensions (WxHxD)	376 mm x 523-605 mm x 209 mm with height adjustable stand
Weight	With stand 9.9 kg, without stand 6.9 kg
Swivel / Tilt	40° up, 0° down 35° right / left
Adjustable Height	82 mm
Certificates	TÜV GM, CE (EN 60601-1, EN 60601-1-2)
USB-Hub	1 Up -Stream 2 Down Stream, Rev. 2.0
Accessories	Handbook in German, English and French, ScreenManager Pro for Medical Software with CDROM, AC power cord, signal cable (DVI-D, DVI-D)
Warranty	5 Years (subject to conditions)

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

Certifications

