



## **EIZO RadiForce™ GS510**

5 Megapixel Monochrome Monitor

Featuring high-resolution and high-definition, the RadiForce GS510 is designed specifically for displaying digital mammography images.

- ◆ 5M pixel (2048x2560)
- ◆ 10-bit grayscale (1024 levels, 8161 levels in LUT)
- ◆ Viewing angles H170°/V170°
- ◆ Contrast min 800:1 Max brightness 700 cd/m<sup>2</sup>
- ◆ Calibrated brightness 500 cd/m<sup>2</sup>
- ◆ Hardware calibration/quality assurance, optional

# EIZO RadiForce™ GS510

## Features

### Sharper Resolution for Clearer Image Outline

MTF (Modulation Transfer Function) is a mechanism that is utilized to incorporate resolution and contrast data of a monitor's panel into a single specification. The glare panel has better MTF characteristics and displays a sharper image outline.

### 10-Bit Simultaneous Grayscale Display

13-bit look-up table that produces a palette of 8,161 grayscale tones from which 1,024 (10-bit) 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

To sustain image consistency, brightness uniformity is required for medical imaging monitors. However, unified luminance of the backlight is difficult to attain due to the characteristics of LCD monitors. The Digital Uniformity Equalizer (DUE) function provides optimum backlight luminance uniformity.

### Blue Base and Clear Base Backlights

Available with either a blue base or clear base backlight.

### Pairing Monitors

Effective when comparing medical images side by side, Radiologists often require multiple monitors to compare newly taken images and previous images for diagnosis. EIZO offers the same colour and grayscale for two monitors bundled as a pair in one box.

### 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.

### Quick and Easy Quality Control

Once attached to the top of the monitor the Clip-On Swing Sensor G1 can remain in place and is ready for use. This saves the time and trouble of attaching and removing it when performing quality control tasks.

## Certifications



## Specification

Panel Type	54 cm (21.3") TFT Monochrome Monitor
Image Display	2 Megapixel
Available Colour	Black
Active Display Size	337.0 x 422.4 mm
Viewable Image Size	Diagonal: 540 mm
Native Resolution	2048 Pixels x 2560 Pixels
Pixel Pitch	0.165 x 0.165 mm
Display Colours	1024 from a palette of 8161 tones
Max Brightness	700 cd/m <sup>2</sup> (typical)
Max Contrast	800:1 (typical)
Viewing Angle	Horizontal: 170° Vertical: 170°
On/Off Response Time	100 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: 99.9 – 107.9 kHz
Vertical Frequency	Digital: 47 – 53 Hz
Dot Clock	142-152 MHz
Input Signal	DVI Standard 1.0
Input Terminal	DVI-D 24 pin
Power Save Settings	Less than 6 Watts
Power Consumption	85 Watts
Dimensions (WxHxD)	388 mm x 513~595 mm x 209 mm with height adjustable stand
Weight	With stand 9.3 kg, without stand 6.3 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.

