FORMEX MEDICAL

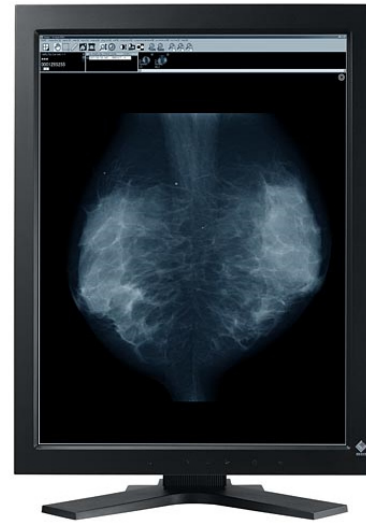# Eizo RadiForce GS520
21.3" Monochrome LCD Monitor

Featuring high-resolution and high-definition, the RadiForce GS520 is designed specifically for displaying digital mammography images with a choice of distinctive glare panel to meet diversified environment usage.

High-Definition and High-Density with Minute Pixels
0.165mm pixel size is the smallest pixel size among current EIZO medical monitors providing high-definition and highdensity display without shadings appearing granular.

12-Bit Simultaneous Grayscale Display
Along with EIZO's new frame rate control technology (patent pending), 4,096 (12-bit) grayscale tones can be displayed simultaneously from an abundant palette of 13,771 tones for high-definition digital mammography.

Distinctive Glare Panel
Many current monitors use anti-glare panels, which have a waffled surface to diffuse the reflection of surrounding light. However, this also diffuses the light from the monitor's backlight, which affects the outline of an image, causing a viewing strain on the observer. With a distinctive glare panel, there is no diffused reflection by the waffled surface, and the outline of the image is displayed more clearly. Therefore, the subtle images such as calcification and masses will be easier to observe reducing the strain on the observer.

Sharper Resolution for Clearer Image Outline
MTF (Modulation Transfer Function) is a parameter to define the display sharpness and resolution of a monitor panel. The glare panel has better MTF characteristics

than the anti-glare panel meaning the glare panel can be expected to display the outline of a detailed image more sharply.

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 digital mammography, ultrasound, and MRI images. Furthermore, with ScreenManager Pro for Medical installed, auto mode settings can be made with the Auto CAL Switch function.

Brightness Stabilization
At startup or upon wakeup, the EIZO patented drift correction function quickly stabilizes the brightness level. In addition, a sensor measures the backlight brightness and compensates for brightness fluctuations caused by the ambient temperature and the passage of time.

Wide Viewing Angles
Viewing angles are 170° wide with minimal color shift when viewed from the side.

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.

Ergonomic Design

Narrow bezels require less eye movement in a multi-panel environment. The height and pivot adjustable stand offers added flexibility and viewing comfort.

Compatibility with Various Graphics Boards

Supports various input signals for compatibility with a wide range of graphics boards so the user can select the board according to budget and performance requirements. This includes single link and dual link signals, as well as packed-pixel signal for users requiring 12-bit or 10-bit simultaneous display.

Pairing Monitors

EIZO offers the same color and grayscale for two monitors bundled as a pair in one box.

Clear Base and Blue Base Backlights

Available with either a clear base or blue base backlight.

Full 5-Year Warranty

EIZO and its authorized distributors offer a five-year limited warranty.

Brightness Stability Within Usage Time Guaranteed

EIZO's confidence in its product quality extends to brightness stability which is also covered during the usage time specified in the warranty.

Customer Assurance

Meets the strictest medical, safety and EMC emissions standards including TÜV/GM, UL60601-1, CE, CB, CSA C22.2 No.601-1, VCCI, FCC, and FDA 510(k).

ISO 13485 Certification

EIZO has acquired ISO 13485 certification for its quality management system. Approval to this standard demonstrates EIZO's ability to consistently meet customer requirements for these devices and services.

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Specifications

Model Variations	GS520-CLG: Clear Base with Glare Panel
	GS520-BLG: Blue Base with Glare Panel
	GS520-CL: Clear Base
	GS520-BL: Blue Base
Cabinet Color	Black
Panel	TFT Monochrome LCD Panel (IPS)
Active Display Size (H x V)	337.9 x 422.4 mm
Viewable Image Size	Diagonal: 540 mm
Native Resolution	2048 x 2560
Pixel Pitch	0.165 x 0.165 mm
Grayscale Tones	4,096 from a palette of 13,771 tones
Viewing Angles (H, V)	170°, 170°
Brightness	700 cd/m2 (typical)
Recommended Brightness for Calibration	500 cd/m2
Contrast Ratio	800:1 (typical)
Response Time	100 ms (typical)
Scanning Frequency (H, V)	31-135 kHz, 19-51 Hz
	Frame synchronous mode: 49 - 51 Hz
Dot Clock	300 MHz
Input Signals	DVI Standard 1.0
Input Terminal	DVI-D 24 pin
USB Ports	1 upstream, 2 downstream
USB Standard	Standard Rev. 2.0
Power Requirements	AC 100 -120 V, 200-240 V: 50 / 60 Hz
Power Consumption	90 watts
Power Save Mode	Less than 1.2 watts
Sensor	Backlight Sensor
Power Management	DVI DMPM
OSD Languages	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese
Net Weight	With Stand: 9.6 kg
	Without Stand: 6.6 kg
Hole Spacing	VESA standard (100 x 100 mm)
Certifications and Standards	CE (Medical Device Directive), TÜV/GM (EN60601-1), cTÜVus (UL60601-1, CSA C22.2 No. 601-1), CB (IEC60601-1), VCCI-B, FCC-B, Canadian ICES-003-B, c-Tick, FDA 510(k) for Mammography and General Radiography, RoHS
Supplied Accessories	AC power cord, user's manual, signal cable (DVI-D ~ DVI-D), USB cable, EIZO LCD Utility Disk (RadiCS LE, ScreenManager Pro for Medical software), ScreenCleaner (GS520-CLG, GS520-BLG only), warranty card