



**EIZO Announces New 5MP LCD Monitors for Precise  
Digital Mammography Imaging**  
*RadiForce® Digital Mammography Monitor solutions include  
distinctive glare panel technology*



RadiForce GS510

Hakusan, Japan June 19, 2006 – Eizo Nanao Corporation (“EIZO”) today unveiled the new RadiForce GS510 and GS510-G 5 megapixel monochrome LCD monitors. The GS510 and GS510-G provide accurate diagnosis in medical imaging applications including digital mammography, DR and CR. The RadiForce GS510 and GS510-G are scheduled for worldwide availability in fall 2006.

The detection of subtle calcifications and masses in a mammography image requires accurate and correct display of each pixel within the monitor. EIZO’s new high-performance digital mammography monitors offer a display of high fidelity images with a choice of a glare (GS510-G) and anti-glare (GS510) panels according to the usage environment.

EIZO’s new distinctive glare panel technology provides radiologists a solution for mammography rendering in a dark environment. Many current monitors use anti-glare panels, which are effective for rendering mammography images in a bright environment. Anti-glare panels 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 a smooth surface with no diffused reflection from a waffled surface, and the outline of the image is displayed more clearly. Therefore, subtle objects within images, such as calcification and masses will be easier to observe when viewed in a dark room.

A further benefit of using a glare panel is MTF (Modulation Transfer Function). This 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.

Additional product innovations include Digital Uniformity Equalizer (DUE), which enables compensates for luminance non-uniformity. Due to unique characteristics of the backlight and liquid crystals, the luminance of LCD monitors is uneven across the image display, and luminance distribution varies from monitor to monitor. To compensate for these inconsistencies, the luminance level of each monitor is measured at EIZO’s factories in Japan and then DUE adjusts the luminance according to the measured data.

EIZO offers two graphics boards MED5mp-PPP and the VREngine SMD5-PCI for the RadiForce



GS510. Both boards contain twin DVI outputs and support both portrait and landscape viewing without the need for additional software.

#### **Additional Features**

- Compatible with EIZO's quality control software RadiCS and network QC management software RadiNET Pro.
- Compatible with EIZO's remote calibration device "Clip-On Swing Sensor"
- Compliance with stringent medical, safety, and EMC emissions standards including TÜV/GM, the CE Medical Device Directive and cTÜVus.
- Available in both clear base and blue base panels.
- ScreenManager Pro for Medical bundled utility software allows handling of OSD functions with the mouse or keyboard. (Upstream USB connection with PC required)
- Various flexible arm-mounts and wall-mount options.

EIZO's compliance with ISO13485 and the combination of RadiForce medical monitors, QC software RadiCS and RadiNET Pro, provides the clearer, smarter and better choice for any medical facility tackling the task of adapting to a filmless environment. Further information regarding all of EIZO's Medical Monitor Solutions can be found at EIZO's medical imaging website: [www.radiforce.com](http://www.radiforce.com)

#### **About EIZO**

Eizo Nanao Corporation is a leading global manufacturer of high-end visual display products with a wide range of LCD monitors. The image quality, long-term reliability, and innovative features of EIZO monitors make them the product of choice in many financial trading rooms, hospitals, back offices, and design studios throughout the world. EIZO is based in Japan and represented in over fifty countries by a network of exclusive distributors.

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