



EIZO to Unveil 3MP Diagnostic Color LCD Monitor for Monochrome and Color Medical Imaging at RSNA 2008

Hakusan, Japan November 4, 2008 – Eizo Nanao Corporation today announced it will unveil the RadiForce RX320, a new 3 megapixel (1536 × 2048 native resolution) color LCD monitor, at RSNA 2008.



Hospitals typically use 3 megapixel monochrome monitors for imaging full chest X-ray and for highly refined rendering of extremely delicate CR (computed radiography) and DR (digital radiography) grayscale shading, while color monitors are typically used for viewing color modality images. In the past, departments purchased monitors according to the type of images they displayed, but image sharing between departments coupled with advances in image processing technologies like 3D rendering and image fusion have created the need for high level multi-purpose monitors that can display both color and monochrome images.

With the RadiForce RX320's high resolution 3 megapixel capabilities, most medical images from chest CR to 3D/Fusion can be displayed with perfect image quality. The high brightness of 900 cd/m² and contrast ratio of 1000:1 are on a par with diagnostic monochrome monitors, making the DICOM (Digital Imaging and Communications in Medicine) Part 14 standard compliant RadiForce RX320 ideal for displaying both color and monochrome images.

Supported by 10-bit input for each RGB color, the RadiForce RX320 displays more than one billion colors simultaneously, providing images perfect for 3D color rendering and image fusion.

The monitor is backed by a manufacturer's five-year warranty that is valid in every country where an EIZO subsidiary or distributor is located. EIZO's confidence in its product quality extends to brightness stability which is also covered during the usage time specified in the warranty. This ensures stable and reliable performance needed for displaying medical images.

EIZO incorporates its latest application specific integrated circuit (ASIC) into the RadiForce RX320. This ASIC contains a Digital Uniformity Equalizer (DUE) function to compensate for brightness non-uniformity that is characteristic of all LCD panels. DUE corrects brightness unevenness for every grayscale tone to ensure even uniformity across the screen. DUE also corrects chromaticity unevenness enabling this color monitor to display accurate grayscale images anywhere on the screen. This ensures that the monitor can meet the uniformity requirements for standards such as AAPM, DIN, and EUREF.

Additional Features

- EIZO patented brightness stabilization function quickly stabilizes the brightness level at startup or upon wakeup and compensates for brightness fluctuations caused by the ambient temperature and the passage of time.
- CAL Switch function allows for various calibration modes to be selected from the front panel buttons for different modality images.
- Dual link input support which reproduces a smooth moving picture without any dropping of



frames.

- Image Rotation function for hardware-based switching between landscape and portrait mode.
- Backlight saver function reduces power consumption and extends the life of the monitor.
- Compliance with stringent medical, safety, and EMC emissions standards including TÜV/GM, the CE Medical Device Directive, and UL60601-1.
- Compatible with EIZO's remote calibration device Clip-On Swing Sensor (sold separately).
- Compatible with EIZO's quality control software RadiCS™ and network QC management software RadiNET Pro™ (sold separately).

Availability

Mass production of the RadiForce RX320 is scheduled for February 2009. Availability varies by country so please contact the EIZO subsidiary or distributor in your country for details. Visitors to RSNA 2008 (Radiological Society of North America) to be held in Chicago from November 30 to December 4 can have a first look at the RadiForce RX320 in the EIZO booth at McCormick Place, South Building, Hall A, Booth 4022.

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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