



EIZO Introduces DisplayPort Equipped RadiForce RS210 for Medical Imaging

Hakusan, Japan October 1, 2009 – Eizo Nanao Corporation (“EIZO”) today introduced the DisplayPort-equipped, RadiForce RS210, a new 2 megapixel (1600 × 1200 native resolution) color LCD monitor ideal for displaying CT and MRI monochrome images and ultrasound, endoscope, and nuclear medicine color images in a PACS environment.



The RadiForce RS210 succeeds the RadiForce R22 and utilizes a new IPS (in-plane switching) panel offering improvement of maximum brightness from 250 cd/m² to 300 cd/m², and contrast ratio from 550:1 to 1000:1. The high contrast ratio results in deep black, ensuring colors such as red, yellow, and blue retain their richness when displaying color images. It also brings out the subtle differences in similar shades of grayscale and sharper rendering of details when displaying monochrome images.

Like all the other RadiForce diagnostic monitors, the grayscale tones for each RadiForce RS210 unit are adjusted at the factory to comply with DICOM Part 14. Furthermore, they are calibration compliant with the DICOM Part 14 to ensure continuing monitor quality control.

The RadiForce RS210 is one of the first monitors from the RadiForce series that comes with DisplayPort next generation connectivity. With a DisplayPort connection, the RadiForce RS210 supports 10-bit input for each RGB color*, displaying more than one billion colors simultaneously, and providing smooth color and grayscale for 3D color rendering and image fusion.

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

EIZO incorporates its latest application specific integrated circuit (ASIC) into the RadiForce RS210. This ASIC contains a Digital Uniformity Equalizer (DUE) function to compensate for luminance non-uniformity, something characteristic of all LCD panels. DUE corrects luminance uniformity errors for every grayscale tone to ensure even uniformity across the screen and from monitor to monitor. DUE also corrects chromaticity uniformity errors enabling this color monitor to display accurate monochrome images wherever on the screen. This ensures that the monitor can meet the uniformity requirements for standards such as AAPM, DIN, and EUREF.

The RadiForce RS210 comes with a CAL Switch function which has various calibration modes for different modalities such as DSA (digital subtraction angiography), MRI, and CT. Switching between modes is done by pressing a button on the front bezel or by using the bundled ScreenManager Pro for Medical software to assign a mode to a specific application so that when the application is opened it automatically displays images in the assigned mode.



The RadiForce RS210 carries the 2009 version of EIZO's in-house environmental label – EIZO Eco Products (EEP). Since its inception in 2002, EEP has set strict internal requirements for manufacturing and packaging. EIZO Eco Products 2009 includes new stipulations such as the monitor must not consume any power when turned off, consume less than 1.5 watts in power save mode, and that its eco profile be available on company website.

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.
- 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.
- OSD operation guide displayed in color for easy identification even in the dark rooms.
- Compliance with stringent medical, safety, and EMC emissions standards including TÜV/GM, the CE Medical Device Directive, and UL60601-1.
- RadiCS LE quality control software with self-diagnosis and self-calibration functions included.

Availability

The RadiForce RS210 is now shipping. Availability varies by country so please contact the EIZO subsidiary or distributor in your country for details. Visitors to the EIZO booth at RSNA 2009 (Radiological Society of North America) to be held in Chicago from November 29 to December 3 can have a first look at the RadiForce RS210 in the EIZO booth at McCormick Place, South Building, Hall A, Booth 4019.

About EIZO

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

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** 10-bit color graphics board and 10-bit color viewer software needed for 10-bit color display.
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