



EIZO Announces RadiForce™ Series of Grayscale and Color Display Systems for Diagnostic Imaging Markets

RadiForce R11 initial release in new product range

Matto, Japan, October 1, 2002 – Eizo Nanao Corporation today announced the introduction of the RadiForce series of medical display systems. With this new series, EIZO is building upon its current selection of high resolution medical display products by offering a full lineup of grayscale and color flat panel display systems in various sizes and resolutions. The RadiForce series will meet the growing demands for a diverse product range for medical imaging modalities used with picture archiving and communication systems, radiology information systems, and hospital information systems. The first release is the RadiForce R11, a 1 megapixel (1280 × 1024 native resolution) color flat panel display system.

“The announcement of the RadiForce series comes at a time when clinics and hospitals are increasingly shifting from a film-based imaging system to a more cost efficient one centered on digital images,” said Kunihiro Arata, General Manager of Eizo Nanao Corporation’s Overseas Sales & Marketing Department. “This expansion of our lineup allows us to provide medical institutions with a complete range of advanced medical solutions for various imaging modalities and information systems.”

In addition to accurate diagnostic imaging and long term stability, the RadiForce series will also present a mix of shared features such as an internal power supply unit, height adjustment, and EIZO’s SlimEdge thin bezel design for near-seamless viewing in multi-panel environments.

RadiForce R11

The RadiForce R11 – the first product of the RadiForce series – offers a wide range of technical advantages for diagnostic imaging tasks from displaying color medical images to use as a HIS (Hospital Information System) terminal. It includes a proprietary 10-bit ASIC (Application Specific Integrated Circuit) for color and grayscale palettes of 1,021 shades from which 256 can be shown simultaneously. The viewing angle is 170° both horizontally and vertically, brightness 250 cd/m², and contrast ratio 400:1. Two DVI-I ports offer compatibility with either analog or digital graphics cards.

EIZO’s unique ToneCurve Tuning Utility, which allows adjustment over how grayscale and color tones are displayed in high and low brightness areas of the screen, comes with the RadiForce R11. With this utility the user assigns the values for a 10-bit Look-Up Table (LUT). From a palette of 1,021 shades, up to 256 can be selected either by inputting values in a table or manipulating control points on a graph (number of control points are selected by the user – 3, 5, 9, 16, 24, 33 or 256). Results are displayed immediately with a preview function.

Once a range of display values and the gamma output have been set with the ToneCurve Tuning Utility, they can be saved to the control PC and shared with other RadiForce R11 units through a USB connection. With several such units installed in the same facility, this guarantees consistency and avoids the need to adjust each one individually.



Additional Features

- SlimEdge design reduces the bezel width to less than 20 mm on each side.
- 100 mm height adjustable stand and tilt/swivel capabilities of 41°/70° respectively.
- Compliance with VESA mounting standards and internal power supply unit facilitate placement of the panel on an arm or a wall.
- USB hub with one upstream and four downstream ports.
- Support for portrait and landscape modes.²
- Fine Contrast function for front button toggling among six different modes – Text, Picture, Movie, Custom, sRGB, and External. Each mode has default settings for image parameters such as brightness, color temperature, gamma, and saturation.
- EIZO-developed ScreenManager[®] Pro for LCD³ software offers image optimization features such as emulating the color characteristics of other monitors and color spaces including NTSC, HDTV, and sRGB. It also allows for individual hue and saturation control for each primary color (R, G, B) and secondary color (C, M, Y).
- FP-601 optional panel protector fits over the screen of the RadiForce R11.

Availability

The RadiForce R11 and FP-601 are now shipping and will be available worldwide in late October. RadiForce R11 casing comes in a choice of gray or black.

About EIZO

Eizo Nanao Corporation, the specialist in the development and production of state-of-the-art display systems, is based in Japan and represented in over thirty countries by a network of exclusive distributors.

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¹ToneCurve Tuning Utility cannot be used with the monitors of any other manufacturer.

²Pivot[®] Software from Portrait[®] Displays, Inc. is necessary for using the RadiForce R11 in portrait mode.

³ScreenManager Pro for LCD can only be used with the Microsoft[®] Windows[®] 98SE, ME, 2000, and XP operating systems. When using this software, the RadiForce R11 must be connected to the PC with the bundled USB cable.

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