



EIZO Releases 3 MP Color LCD Monitor for Medical Imaging

RadiForce® R31 produces optimum display of color and monochrome images



RadiForce® R31
RadiForce® R31-C

Hakusan, Japan, June 2, 2005 – Eizo Nanao Corporation (“EIZO”) today announced the release of the RadiForce R31, a 3 megapixel LCD monitor for CT (computed tomography), MRI (magnetic resonance imaging), PET (positron emission tomography) and 3D rendering. Each color (RGB) is supported with a 10-bit color input compatibility, which displays up-to 1,064,330,000 colors simultaneously, providing a high-crisp image perfect for 3D color rendering and image fusion images. The RadiForce R31 is scheduled for worldwide availability in September 2005.

EIZO offers the RadiForce R31 as an addition to a total medical imaging monitor solution, ranging from 5mp to 1mp monochrome and color monitors. All RadiForce monitors are DICOM-calibrated catering specially for the multi-faceted imaging display demands of the healthcare industry, with a choice of graphics boards and highly advanced quality control software for clear and consistent image quality results.

The new R31 comes with EIZO’s image rotation technology, which allows for easy switching between landscape or portrait modes. Furthermore, eliminates the need for special software, ensuring grayscale rendering without banding or color seepage.

The R31 contains all the advanced features and capabilities as the RadiForce 2 megapixel color monitor R22, such as, DICOM part 14 calibration with EIZO’s quality control software RadiCS™, and network QC Management software RadiNET™ Pro. Along with these features, further innovations come with the R31 such as the newly developed feature IIS, (Independent Image Setting). With EIZO’s bundled software ScreenManager Pro for Medical installed, the IIS function allows for any specific area of an image to be adjusted and pre-set to various grayscale gradations and luminance levels. Also, a backlight saver function can be utilized through ScreenManager Pro for Medical, allowing the monitors’ secondary power to turn off when a screensaver is activated and then turned back on again when the screen comes out of screensaver mode. This function reduces the power consumption of the monitor during prolonged usage.

Other features include LEA¹ (Lifetime Expectancy Analyzer) function, which offers service providers a reference to an estimation of the backlight's lifetime. Depending on how often the monitor is used and at what luminance level, LEA estimates time used since purchase date and expected remaining lifetime.



With the R31, EIZO offers both MED Series and VREngine Series graphics boards. The new VREngine/SMD3-DUL board, ready for release in August, comes with dual-link capability for R31. All boards contain twin DVI-I outputs, and support both portrait and landscape viewing without the need for additional software.

The R31 comes with various calibration mode settings. Selectable by the front panel buttons, a CAL Switch function allows for various calibration modes to be assigned for specific images such as CR, CT, and endoscope images. Furthermore, with ScreenManager Pro for Medical installed, auto-mode setting is possible with the function Auto CAL Switch.

Additional Features

- R31 comes with an optional anti-reflective panel protector (model R31-C), which is pre-attached to the monitor at production for protection against dust and scratches.
- Maximum brightness of 400 cd/m² (R31), 350cd/m² (R31-C) and a contrast ratio of 400:1
- ScreenManager Pro for Medical bundled utility software allows handling of all OSD functions.
- Various flexible arm-mounts and wall-mounts.
- Compliance with stringent medical, safety, and EMC emissions standards including TÜV/GM, the CE Medical Device Directive and cTÜVus.

About EIZO

Eizo Nanao Corporation is a leading global manufacturer of high-end visual display products with a wide range of color and monochrome LCD monitors, and Windows-Based Terminals (thin clients). 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 thirty countries by a network of exclusive distributors.

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¹ Compatible with RadiCS™ and RadiNET™ Pro 2.0.0 or later versions. Version 2.0.0 is scheduled for release in August 2005.

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