



EIZO Releases 3 MP Monochrome LCD Monitor for Medical Imaging
*RadiForce® G33 comes with a Built-In Swing Sensor
 for precise remote calibration*



RadiForce G33

Hakusan, Japan, June 2, 2005 – Eizo Nanao Corporation (“EIZO”) today announced the release of the RadiForce G33, a 3 megapixel monochrome LCD monitor for accurate diagnosis in medical imaging applications including PACS, chest radiology, CT (computed tomography), MRI (magnetic resonance imaging), and angiography. The G33 has a 13-bit look-up table that produces a palette of 8,161 grayscale tones from which 4,096 (12-bits) can be displayed simultaneously. The RadiForce G33 is scheduled for worldwide availability in September 2005.

Along with a 12-bit grayscale display, the RadiForce G33 offers EIZO’s own aperture modulation technology. Aperture modulation enables different area ratio for each sub-pixel giving the G33 darker blacks and brighter whites, displays a clearer, and more accurate image.

The G33 comes with an unique Built-In Swing Sensor¹ for precise remote calibration and image consistency operations. Positioned inside the upper bezel, the Built-In Swing Sensor does not interfere with the viewing area of the screen and conveniently becomes enabled and visible only when remote quality control operations are being performed. With this sensor and EIZO’s quality control (QC) software RadiNET™ Pro and RadiCS™ (sold separately), quality control technicians will be able to remotely calibrate to the DICOM Part 14 standard and set extremely precise values for gamma, brightness, and grayscale gradations. For all previously released RadiForce monochrome monitors, EIZO now offers a Clip-on Swing Sensor G1¹. Attached to the top of the upper bezel, the Clip-On Swing Sensor can be used to perform remote quality control operations, through a USB connection with the PC.

The G33 offers a range of new features, such as, LEA¹ (Lifetime Expectancy Analyzer) function. LEA gives service providers an estimation of the backlight's lifetime. Depending on how often the monitor is used and at what luminance level, LEA calculates time used since purchase date and estimates expected remaining lifetime.

Due to the characteristics of LCD monitors, unified luminance of the backlight is difficult to attain however, with the G33 EIZO has developed the DUE (Digital Uniformity Equalizer) function for optimum uniformity of the backlight's luminance, which is essential for diagnostic imaging.

The G33 also comes with a CAL Switch function, where various calibration modes can be selected for any specific image, such as CR and CT, from the front panel buttons. Furthermore, with ScreenManager Pro for Medical installed, auto-calibration mode setting is possible with the function Auto CAL Switch.



EIZO offers both MED3mp-PPP and the VREngine SMD3-PCI for the RadiForce G33. Both boards contain twin DVI-I outputs and support both portrait and landscape viewing without the need for additional software.

Additional Features

- Brightness max of 700 cd/m² and contrast ratio of 700:1
- ScreenManager Pro for Medical bundled utility software allows handling of all OSD functions.
- Anti-reflective panel protector is pre-attached to the monitor at production for protection against dust and scratches.
- 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 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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