

FOR IMMEDIATE RELEASE

Totoku Launches New Monochrome LCD with 9M Independent Subpixels

TOKYO, Japan, March 4, 2009 – TOTOKU Electric Co., Ltd. developed a new 21.3" monochrome medical display, "MS31i2", with high resolution of 9-mega independent subpixel drive. The new model will be exhibited at ECR 2009 (European Congress of Radiology) held in Vienna, Austria from March 6th through 11th, and at ITEM 2009 (The International Technical Exhibition of Medical Imaging) held in Yokohama, Japan from April 17th through 19th.

"The MS31i2 is the third model we have added to our flagship ISD line," says Takahiro Takayama, General Manager of Medical Displays Sales and Marketing division, Totoku Electric Company. "Our proprietary ISD technology enhances image detail, which makes multi-modality workstations much easier to configure, and more affordable than ever."

Overview

In order to accept higher resolution images of modality devices, a panel over 5MP is needed. Until now, economies of scale have made development of such a display, cost prohibitive. Now, Totoku introduces the new, affordable, MS31i2, which achieves 9 mega sub-pixel resolution by utilizing a 3 megapixel panel, which follows the 15 MsP released in November 2007 and the 6 MsP MS21i2 released in September 2008.

Due to its high resolution, the MS31i2 is ideal for images with DR, CR and CT.

Features

[1276-step Simultaneously Displayable Grayscale]

Up to 1276 shades of gray are simultaneously displayable. This enables smooth and accurate display of subtle differences in shades of gray.

[AR Coating for Film-like Black and Improved Sharpness]

The special AR coating, patent pending technology, of the MS31i2 offers film-like black and accurate reproduction of images reducing reflection on the surface of display.

[Excellent Image Quality Control Features]

For advanced luminance control, MS31i2 employs a front sensor system called *γ*-Sentinel II, in which the luminance sensor is allocated on the screen surface and controls the backlight luminance.

[Luminance Uniformity Control]

MS31i2 employs a luminance equalizer system called *γ*-Uniformity Congruence to achieve highly accurate luminance uniformity across the screen.

[ISD Technology]

Driven each sub-pixel value corresponding to detailed information recorded in an original image, three times resolution enhancement is achieved. (Patent pending) Moreover, the new, enhanced ISD technology actualized 1276-step simultaneously displayable grayscale.

*Customized viewer software is required to display images with enhanced resolution by the ISD technology.



Press Release

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About TOTOKU

TOTOKU, founded in 1940 and headquartered in Tokyo, Japan, is a leading manufacturer of high-end displays for medical imaging and industrial markets worldwide. Since its launch on the display business in 1972, TOTOKU has supplied its specialty displays into multiple vertical markets and has earned high marks for its product reliability and post installation support, in addition to specialized technologies required for the respective fields. TOTOKU's products and services are available via its US, EU, and Asia offices and distributors throughout the world.

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