

Epson Develops New High-Resolution LTPS LCD

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Epson today announced the development of a 4-inch high-resolution low-temperature polysilicon (LTPS) TFT LCD featuring Photo Fine Premia technology, which boasts both a wide viewing angle and a wide color range. The display produces beautiful images even when viewed from an angle of 80 degrees from the top, bottom, left, or right and covers 94% of the Adobe RGB color gamut. The new display is featured in the P-6000/7000 photo viewers to be released worldwide in early September 2008 by Seiko Epson Corporation.

The dramatic growth in the digital SLR camera market, which expanded by 142% in fiscal 2007, and the popularity of mobile phones with built-in digital TV receivers and other advanced video capabilities have raised demand for high-value-added displays. Consumers have begun to favor products that enable them to not only store their digital photos, but also share and enjoy them with others, such as digital photo frames and photo viewers.

The latter have been a particular focus of attention in recent years. Whereas most photo viewers previously offered only the self-contained functions of checking, saving, and carrying around photos taken by the user, consumers are now seeking models with the ability to share works and zoom in on particular areas of interest.

Photo Fine Premia was developed to meet the demand for displays that enable users to enjoy high-resolution still and moving images with their friends and family anytime, anywhere. Photo Fine Premia combines

Epson Imaging Device's Photo Fine Vistarich wide viewing angle technology and Photo Fine Chromarich wide color gamut technology to give users the ability to enjoy color-rich still and moving images from any angle.

The Photo Fine Premia technology in this 4-inch LTPS LCD was developed for the P-6000/P-7000 photo viewers to be launched by Epson. In the future, Epson Imaging Devices intends to broaden the application of this new technology to various fields, including displays for satellite navigation, rear-seat entertainment, and other in-car systems; for digital still cameras; and for digital-TV-compatible multi-functional mobile phones and devices.

Source: Epson

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