

DISPLAYTECH VGA, WVGA AND SVGA MICRODISPLAYS ENABLE NEXT-GENERATION CONSUMER ELECTRONICS DEVICES

Compact, Low-power Microdisplays Deliver Unsurpassed Image Quality while Reducing Manufacturing Costs and Accelerating Time-to-Market

LONGMONT, CO – DECEMBER 11, 2006 — Displaytech Inc., the pioneer of Ferroelectric Liquid Crystal on Silicon (FLCOS) technologies, today announced the development of the LightView VGA, WVGA and SVGA (LV-VGA, LV-WVGA, LV-SVGA) microdisplays. The new compact, single-panel microdisplays enable consumer electronics companies to deliver products with unsurpassed image quality and power efficiency while reducing manufacturing costs and accelerating time-to-market. They will enable new, high-quality consumer electronics products including micro-projectors, head mounted displays and mobile communications devices.

The new microdisplays take advantage of the unique properties of the company's FLCOS technology, which combines patented advances in the use of ferroelectric materials with a proprietary, very large scale integration (VLSI) semiconductor. They leverage the fast switching speeds and superior optical qualities of the technology to deliver full-color video images that are free of motion smearing. In addition, the microdisplays incorporate the display panel and control circuitry into a single, compact package, enabling innovative end product designs while the low power consumption extends product battery life. Industry standard digital interfaces are supported for easy product integration.

“The new microdisplays are designed for new markets and emerging opportunities. They will help user in a whole new generation of consumer electronics devices,” said Dick Barton, CEO of Displaytech. “The crisp, consistent visual clarity offered by the new displays is enhanced by their extremely compact form factor and minimal power consumption, making them highly adaptable and ideal for any number of consumer electronics applications.”

Displaytech's LV-VGA offers 640 x 480 full color pixels with a 9.2 millimeter (mm) active area diagonal; the LV-WVGA offers 852 x 480 resolution with a 11.25 mm active area diagonal; and the LV-SVGA offers 800 x 600 with a 11.5 active area diagonal. All three microdisplays support consumer product temperature ranges with integrated temperature compensation, operate at very low-power, typically at 100 milliwatts or better, with a 60 hertz frame rate and feature adjustable brightness and gamma settings.

All-digital pixel architecture brings superior image quality to the LightView products, and the fully integrated display controller requires no additional circuitry to interface digital video. All LightView products offer a flexible video interface that is easily adapted to most digital video sources and programmable video cropping and down-scaling. Each LightView offering also features a programmable color matrix processor and adjustable color field durations.

About Displaytech

Displaytech, Inc. dramatically improves display-based products by providing high switching speed FLCOS as microdisplays that deliver brilliant, real-life, digital images enabling next-generation consumer electronics and storage products by providing FLCOS as a Spatial Light Modulator (SLM). Founded in 1985, Displaytech has shipped over 14-million devices to some of the world's premier consumer electronics companies including Kodak, Olympus, JVC, Hitachi, Konica Minolta-Kyocera and Hewlett-Packard. The company has over 100 granted, licensed and pending patents and has received numerous honors and awards including being ranked as one of the fastest growing technology companies in North America by Deloitte and Touche in 2005. For more information, visit www.displaytech.com.