



Aptina Introduces Breakthrough Automotive-Grade Imaging SOC

October 20, 2008

San Jose, CA and Detroit, MI , Monday, October 20, 2008 – Aptina, a global provider of CMOS imaging innovations, today announced the launch of its new multi-function automotive imaging SOC. The single-chip design of the MT9V126 provides new scene viewing functionality that automotive and after-market manufacturers have been seeking. The SOC features the industry's smallest automotive-grade (AEC-Q100) package, excellent low-light sensitivity, on-chip lens distortion correction, perspective correction and a dynamic graphic overlay capability. Aptina's announcement of the MT9V126 coincides with the 2008 Convergence automotive electronics show administered by SAE International™ October 20-22. Aptina will be exhibiting in booth #100.

Automotive Image Sensor Expertise

The MT9V126 was designed with forward-thinking manufacturers in mind. Key features for the new SOC provide integrators with high-end performance at a lower system level cost. Aptina's breakthrough CMOS image sensor technology equals and surpasses CCD's low-light performance with low-light sensitivity of .5 Lux. The advanced pixel design eliminates structured noise and row noise resulting in clearer details and better overall picture quality. The one-chip SOC lowers system cost by eliminating the need for a DSP/FPGA and a distortion correction lens. Aptina's SOC operates at temperatures between -40° C to 105 ° C meeting automotive-grade (AEC-Q100) requirements. Additionally, engineering development is simplified as the tuning is done by sophisticated Host System Commands and no longer requires direct register writes. Finally, Aptina's new SOC design promotes faster time to market with a royalty-free form factor automotive reference design.

"The MT9V126 is truly a best-in-class SOC camera solution that provides a unique combination of low light sensitivity and advanced integrated features," notes Curtis Stith, Automotive Segment Director at Aptina. "Extended capabilities like the SOC's dynamic graphic overlay engine, lens distortion and perspective correction bring high end features to the mainstream."

Market Trends

Automotive market trends point toward the next generation of viewing functionality that support additional features such as surround view, backseat viewing camera and advanced backup cameras. To support these trends, image sensors must provide greater functionality while meeting stringent industry specifications and lower costs. Aptina's new SOC incorporates features that will drive trends specific to next generation scene viewing applications.

The MT9V126 will be sampling in December of 2008 and will be in mass production the end of Q2 2009. This latest device extends Aptina's portfolio of scene viewing and scene processing automotive imaging that includes the MT9V022, MT9V111, and MT9V125.

About Aptina

Aptina, a subsidiary of Micron Technology, is a global provider of CMOS imaging solutions. A leading provider of 2, 3 and 5 mega-pixel CMOS image sensors to the industry's most popular, mainstream and high-end mobile phone manufacturers, Aptina's CMOS image sensors also bring high-quality picture and video capabilities to digital still cameras, personal media video recorders, surveillance cameras, notebook cameras, and automotive applications. Aptina continues to drive innovation in the market with its growing portfolio of CMOS technologies and image sensor solutions. For additional information on Aptina, visit www.aplina.com.

About Micron

Micron Technology, Inc., is one of the world's leading providers of advanced semiconductor solutions. Through its worldwide operations, Micron manufactures and markets DRAMs, NAND flash memory, CMOS image sensors, other semiconductor components, and memory modules for use in leading-edge computing, consumer, networking, and mobile products. Micron's common stock is traded on the New York Stock Exchange (NYSE) under the MU symbol. To learn more about Micron Technology, Inc., visit www.micron.com.

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