



Aptina Introduces New Image Sensor Solution with Exceptional Low Light Performance to Security Market

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San Jose, CA , Tuesday, November 11, 2008 – Aptina announced today the launch of the high sensitivity MT9V136 image sensor solution. The sensor's all-in-one single chip enhanced SOC design offers exceptional low light performance exceeding requirements expected from CCD sensors and provides excellent Near Infra-Red (NIR) response for night vision. The sensor's advanced image processing engine and new algorithms combined with unique pixel technology provide camera manufacturers with enhanced auto white balance and auto exposure functions that produce uncompromised image performance. Furthermore, the MT9V136 offers lens alignment functionality for ease of manufacturing, NTSC/PAL encoder for analog video and progressive scan digital output at 60 fps. The high performance VGA sensor extends Aptina's comprehensive surveillance product offerings from analog CCTV sensor solutions to high definition sensors.

Surveillance Ready Feature Set

The MT9V136 image sensor addresses the imaging needs of the manufacturers building versatile, high performance surveillance camera systems. Aptina's new image sensor system packs advanced functionality such as active pixel design, sophisticated image processing engine, integrated NTSC/PAL encoder, Programmable On-Screen Display (OSD) capability, and high-performance flash interface. The results of these features produce a complete CCTV security camera system on a single chip design to achieve low Bill of Materials (BOM) cost, lower component counts, and low power consumption without compromising image quality or performance in low-light. The MT9V136 analog output offers both single-ended and differential output providing camera manufacturers product differentiation options based on end-user requirements. With the MT9V136 embedded differential analog output, camera manufacturers can build a camera capable of delivering excellent quality video from distances of over 250 meters without any video signal amplifier required. Besides applying the MT9V136 image sensor solution to traditional CCTV designs, its digital output enables IP camera manufacturers to create a high performance IP camera with 60 fps progressive scan output capability. While functionality like the new lens alignment feature lower manufacturing costs, Aptina's ready CCTV reference design assists manufacturers in rapid prototyping and design verification that accelerate time to market.

Capturing Details in Extremely Low Light Environments

"The MT9V136 is a truly amazing all-in-one 'camera on a chip' solution with the capability of providing the manufacturer with everything needed for capturing clear video in very low light environments down to sub one lux," says Mansour Behrooz, Director of Marketing for New Markets at Aptina. The ability to gather vivid details in very low light environments is enabled by Aptina's breakthrough adaptive pixel technology, setting the new sensor system apart from other surveillance imaging solutions. Moreover, the SOC's processing features such as NTSC/PAL output as well as programmable OSD remove the need for external components and processing yielding lower system cost. "The MT9V136 is the product of years of research and development achieving best-in-class low light, low noise performance addressing the needs of a new generation of surveillance cameras," adds Behrooz, "We are very excited to see the MT9V136 being used by camera manufacturers to create a new breed of security camera with differentiated features that reduce overall system cost and complexity."

Availability

The MT9V136 is sampling at this time and is scheduled to be in mass production early Q4 2008.

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About Aptina

Aptina, a subsidiary of Micron Technology, Inc., 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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Contacts

Mark Wilson
Aptina Imaging
408-660-2298
markwilson@aptina.com