



Aptina Imaging Introduces New High Performance CMOS Sensor for High Definition Broadcasting Video Camera

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Honolulu, Hawaii and San Jose, California , Tuesday, June 17, 2008 – Aptina Imaging, a division of Micron Technology, Inc., today introduced its latest high performance CMOS image sensor (part number MT9E501) which was designed to accommodate super high definition projects for NHK (Japan Broadcasting Corporation). A paper on the sensor is being presented at the Symposia on VLSI Technology and Circuits which is being held June 17-20, 2008. The sensor has the high definition resolution of 4112 (H) x 2168 (V), (8.9 Megapixels)/ 1.25-inch optical format and delivers 60 frames per second, which meets Ultra High Definition Television (UHDTV) standards as defined by SMPTE standard 2036-1. The sensor is being used in NHK's prototype cameras for the 1920 x 1080 HD format and the next generation 7680 (H) x 4320 (V) Super High Vision broadcasting system.

Aptina's high performance image sensor uses a 16-channel SLVS differential output to speed captured image data for processing, and supports up to 60 FPS frame rate at 4K format of 3840 (H) x 2160 (V) pixels. The image sensor is available in both a mono chrome sensor (Multi-chip 7680 (H) x 4320 (V) Super High Vision format cameras), and a color sensor (Single chip with up to 4K HD class image format).

The MT9E501 sensor was developed in cooperation with NHK which was looking for sensors that could meet its unique specifications on its Super High Vision broadcast video camera prototype. "The MT9E501 sensor leverages those key elements that are setting the path for the next generation of standards addressing high frame rate and high definition in imaging," says Curtis Stith, High Performance Segment Director at Aptina. "NHK's prototype broadcast video camera is representative of how advances in our high performance sensors are meeting performance and image quality requirements."

The MT9E501 extends Aptina's broad portfolio of high performance CMOS image sensors for the consumer and commercial markets. The customers' design needs drive their choice of sensors ranging in resolution from VGA to the new 8.9 Megapixel.

About Aptina Imaging

Aptina Imaging, a division of Micron Technology, Inc., is piloting the path of pixel performance in CMOS imaging, bringing high-quality picture and video capabilities to mobile phones, digital still cameras, security and surveillance cameras, PC cameras, automotive applications, and more. For additional information on Aptina Imaging, 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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