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| **Press Release** | **14.05.2018** |

Allied Vision shows CMOS camera and infrared imaging at Semicon Southeast Asia 2018

Allied Vision will be exhibiting in Semicon Southeast Asia 2018 and showcasing Goldeye short-wave infrared (SWIR) camera, Mako GigE CMOS camera and 1 Product Line

Singapore, 14 May 2018 – Allied Vision will once again be participating in SEMICON Southeast Asia, the region’s premier event for microelectronics design and manufacturing, from 22-24 May 2018 in Kuala Lumpur, Malaysia. After years of holding the event at Penang, this year the event will be held at Kuala Lumpur for the very first time to accommodate the growing number of visitors and exhibitors.

**Infrared imaging for wafer inspection**

Goldeye short-wave infrared (SWIR) cameras are fitted with InGaAs sensor technology which is sensitive in the short-wave infrared spectrum of 900 nm to 1700nm. The Goldeye range has just been expanded with two new entry-level models: the Goldeye G-008 Cool TEC1 with QVGA resolution and enhanced cooling capabilities and the Goldeye G-033 TECless with VGA resolution, high frame rates and no sensor cooling. These two models offer attractive solutions for cost-sensitive applications with high temperature fluctuations (Goldeye G-008 Cool TEC1) or constant ambient temperatures (Goldeye G-033).

Allied Vision’s booth will feature an infrared imaging microscope by [Radiant Optronics](http://www.radiantoptronics.com/). The microscope uses Goldeye G-033 to see through the silicon wafer for inspection of micro cracks in the microcircuit. Infrared imaging makes the inspection easy because silicon is transparent in the short-wave infrared spectrum.

**Allied Vision 1 Product Line, camera for embedded vision**

The Allied Vision 1 product line is a camera platform which combines the performance of a machine vision camera and the size, power consumption and price of an embedded camera module. The 1 product line is a full range of digital cameras designed for embedded vision applications while fulfilling the high standards of industrial and scientific image processing.

At the core of the 1 product line is the unique ALVIUM® technology. ALVIUM® is a proprietary chip design optimized for advanced digital imaging combined with a comprehensive image processing library (IPL) reflecting more than 25 years of expertise in industrial image processing.

The first camera families powered by ALVIUM® technology based on this platform are the 130 and 140 series. Both camera series will be available with MIPI CSI-2 and USB3 Vision interface and a wide range of sensors.

Visitors of Semicon can experience a live demo using Video4Linux2 (V4L2) and OpenCV running on Nitrogen\_6Max. Set at 15 fps, Allied Vision 130 C will be using real time algorithm to detect faces from live image.

**Industrial cameras with CMOS sensor technology**

Allied Vision Mako G cameras have an ultra-compact form factor and the same mounting positions as many analog cameras. All Mako G models include Power over Ethernet ( PoE), three opto-isolated outputs and a 64MB image buffer. Mako G-419 is a 4.2 megapixel GigE machine vision camera that incorporates the high quality Type 1 (16.0 mm diagonal) CMOSIS/ams CMV4000 CMOS sensor. At full resolution, this camera runs 26.3 frames per second. With smaller region of interest, higher frame rates are possible.

Mako G-419 will be used to demonstrate material defect inspection of parts in Allied Vision’s booth. Visitors can take the opportunity to discuss their own inspection tasks with experts from Allied Vision.

**SEMICON Southeast Asia 2018 – booth #328
22-24 May 2018
MITEC, Level 1, Hall 2 and 3
Kuala Lumpur, Malaysia**

**Profile of Allied Vision**

For over 25 years, Allied Vision has been helping people to see the bigger picture. Allied Vision supplies camera technology and image capture solutions for industrial inspection, science, medicine, traffic monitoring and many more application areas in digital imaging. With a deep understanding of customers’ needs, Allied Vision finds individual solutions for every application, a practice which has made Allied Vision one of the leading camera manufacturers worldwide in the machine vision market. The company has eight locations in Germany, Canada, the United States, Singapore and China and is represented by a network of sales partners in over 30 countries. [www.alliedvision.com](http://www.alliedvision.com)

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