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| **Press Release** | **17.06.2015** |

Advanced Infrared Camera for Affordable Price

Allied Vision introduces new Goldeye G-008 SWIR camera offering unbeatable value for money**.**

Munich, June 22, 2015 – One sensation at the Laser World of Photonics 2015 show in Munich, Germany, was Allied Vision’s new entry-level Goldeye model for the short wave infrared spectrum (SWIR). The Goldeye G-008 SWIR is packed with all the features and benefits of current Goldeye camera family, combined with a smaller resolution sensor. As a result, its attractive price lowers the entry barrier into short wave infrared image processing.

**Small sensor for a small price**The Goldeye G-008 SWIR is fitted with a QVGA InGaAs sensor (320 x 256 pixels, 30 µm pixel size) making it sensitive in the short wave infrared spectrum ranging from 900 to 1,700 nm. With this smaller imager, the cost for this new Goldeye could be significantly reduced compared to the existing VGA resolution models. Thanks to this lower price, infrared imaging becomes affordable for many cost-sensitive applications in which the lower resolution is enough to do the job – for example hyperspectral imaging applications such as plastics sorting for recycling purpose or environmental analysis, high-temperature thermography in the steel and glass industries or laser beam profiling.

**High image quality and high speed**Users of a Goldeye G-008 SWIR won’t have to trade off quality or speed for the low price. The new model has all the qualities of the popular Goldeye family and delivers 346 fps (frames per second) at full resolution. For example, the camera’s industrial-grade housing is extremely robust and compact (55mm x 55 mm x 78 mm) to fit into the smallest machines. Various mounting possibilities, extensive I/O functionalities and a large choice of lens mount options ensure an even easier integration.

The Goldeye G-008 SWIR relies on the GigE Vision industrial standard as an interface. Thanks to its GenICam compatibility, the camera can easily be used with the most popular image processing libraries. With Allied Vision’s powerful software development kit Vimba, which is available free of charge to Allied Vision customers, users can program their application across platforms (Windows, Linux, etc.).

The Goldeye G-008 SWIR also features all image correction and optimization functionalities of the Goldeye family such as advanced image correction algorithms and fan-less sensor cooling using a thermoelectric module (TEC 1) for low-noise images.

*„The Goldeye G-008 SWIR offers the best price-performance ratio of its market segment“,* says Jens Hashagen, Product Manager at Allied Vision. *“No other SWIR camera offers such a high value for money”.*

**Goldeye, the new benchmark for short-wave infrared imaging**Allied Vision’s Goldeye camera series was completely redesigned in 2014 and has become the new benchmark for short-wave infrared cameras in the machine vision market.

The **Goldeye G-032 SWIR** with VGA resolution (0.3 Megapixel) and 25 µm pixel pitch stands out of the crowd with its high dynamic range (74 dB). It is available as a COOL version with enhanced sensor cooling (TEC 2), allowing for low-noise images even at long exposure times, for example in demanding low-light applications.

The **Goldeye G-033 SWIR** is also fitted with a VGA sensor. While its pixel size is smaller (15 µm), it delivers a very high frame rate of 301 fps at full resolution (640 x 512). It earned an Innovators Award 2015 from Vision Systems Design magazine as the fastest SWIR camera with GigE interface in the market. Thanks to this high frame rate, many machine vision applications can be sped up to increase productivity, some of which also benefit from the smaller pixel size of the sensor – for example wafer inspection or hyperspectral imaging.

*„With the new Goldeye G-008 SWIR, Allied Vision makes infrared imaging an option for many who could not afford to invest in that technology so far”,* says Hashagen. *“With this camera, more users and more applications will have access to the benefits of image processing beyond the visible spectrum”.*

Availability: from August 2015

**Laser World of Photonics
Messe München – June 22-25, 2015
Hall A2 – Booth #107**

**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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