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| **Press Release** | **31.08.2015** |

Out now: Advanced Infrared Camera for Affordable Price

Allied Vision **lowers entry barrier into short wave infrared image processing. The new** Goldeye G-008 SWIR camera suits high requirements and small budgets**.**

Stadtroda, August 31, 2015 – Allied Vision has released a new entry-level Goldeye model for the short wave infrared spectrum (SWIR). Introduced at the Laser World of Photonics 2015 show in Munich, the Goldeye G-008 SWIR is now available. Packed with all the features and benefits of the current Goldeye camera family, the new model for SWIR applications is equipped with a smaller resolution sensor. As a result, the price for the camera could be significantly reduced so that infrared imaging becomes affordable for many cost-sensitive applications in which the lower resolution is enough to do the job.

**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. Many cost-sensitive applications can benefit from the excellent price to performance ratio, 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 ultra-high dynamic**Users of the 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. With frame rates up to 344 fps at full resolution, versatile application fields can be addressed and processes can be sped up strongly. Thanks to its ultra-high intra-scene dynamic range of 75 dB, the camera is ideally suitable for applications requiring to capture simultaneously bright and dark portions of a scene, such as outdoor and surveillance imaging at night or specific industrial applications like laser welding.

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 various 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”.*

**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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