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| **Press release** | **23.05.2018** |

Hyperspectral imaging at focus on Allied Vision's booth at the CHII 2018

**Allied Vision presents new cameras for short-wave infrared (SWIR) at the** **Conference on Hyperspectral Imaging in Industry**

*Stadtroda, Germany, May 23, 2018* – From June 6 – 7, 2018, Allied Vision is showcasing new Goldeye SWIR camera models at the Conference on Hyperspectral Imaging in Industry (CHII) in Graz. The recently released Goldeye G/CL-033 TECless and the Goldeye G/CL-008 Cool TEC1 are taking the center stage at booth #21 at the Congress Graz.  
In addition to the infrared camera Allied Vision is presenting its 1 product line, especially developed for embedded vision applications. While the Goldeye cameras are the perfect choice for demanding near infrared (NIR) and short-wave infrared (SWIR) applications , the camera series of the 1 product line meet all requirements for the use in unmanned aerial and autonomous vehicles.

**Affordable Goldeye G/CL-033 TECless for temperature-stable environments**For the first time, Allied Vision is releasing a tecless InGaAs camera (without thermo-electric cooling element). With an excellent price-performance ratio for a VGA InGaAs camera, the Goldeye G/CL-033 TECless is the perfect choice for demanding, cost-sensitive short-wave infrared applications. In temperature-stable environments, the camera delivers high quality images with outstanding low noise performance (low read-out noise of 32 electrons in high gain mode).

**Affordable Goldeye G/CL-008 Cool TEC1 for high temperature fluctuations**The second new model, the Goldeye G/CL-008 Cool TEC1, is an affordable InGaAs SWIR camera for the use under demanding conditions with high temperature fluctuations. To enable low-noise imaging in the spectral range from 900 nm to 1,700 nm, the camera is equipped with a nitrogen filled cooling chamber which encloses the sensor including the single-stage thermo-electric cooler (TEC1). This avoids condensation on the sensor and makes the camera especially useful in warm and humid environments with a high risk of condensation.

**The Allied Vision 1 Product Line: A New Camera for Embedded Vision**The 1 product line combines the performance of a machine vision camera and the size, weight, power consumption, and price of an embedded camera. The camera is very compact and lightweight and available as a bare board version. All that matters when building an image-processing system into a robot or a drone.

The first cameras building on the new platform are the Allied Vision 130 and 140 series. Both series are available with MIPI CSI-2 and USB3 Vision interface and a large choice of sensors. They are both powered by the ALVIUM® technology.

**Allied Vision at the Conference on Hyperspectral Imaging in Industry**

* Exhibition: Allied Vision Booth: #21
* Presentation at the Collaboration Forum:  
  Wednesday, June 6, 2018  
  9:00 - 9:10  
  "The influence of temperature on image quality in NIR / SWIR cameras used in imaging spectrometers"  
  Gion-Pitschen Gross

The Allied Vision Team will be happy to answer any questions you may have regarding hyperspectral imaging, the presentation at the collaboration forum or the products of Allied Vision.

**Allied Vision company profile**For over 25 years, Allied Vision has been helping people to reach their goals focusing on what counts. Allied Vision supplies camera technology and image capture solutions for industrial machine vision applications and embedded systems. 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 nine locations in Germany, Canada, the United States, Singapore, China, France, and the UK, and is represented by a network of distribution partners in over 30 countries.   
[www.alliedvision.com](http://www.alliedvision.com)

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