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| **Press Release** | **06.04.2016** |

**Now available: Allied Vision’s Short-wave Infrared Camera Goldeye with Camera Link Interface**

**Allied Vision extends its high-performance short-wave infrared (SWIR) camera series, previously only available with GigE Vison interface, by three new models with Camera Link interface.**

Stadtroda, April 5, 2016 – By expanding the Goldeye camera series by three new models with Camera Link Interface, Allied Vision increases the versatility of its popular SWIR camera series by another dimension. The models Goldeye -008, -032 and -033 are now available with either GigE Vision or Camera Link Interface.

Goldeye CL (Camera Link) cameras are equipped with a Camera Link Base interface featuring an SDR connector. They are fully compliant with standard Camera Link frame grabbers, including the latest generation of frame grabbers supporting the GenICam Control Protocol (GenCP), and are therefore prepared to be Camera Link 3.0 compliant.

**Features and Options**

Goldeye CL cameras have the same compact and ruggedized housing (55mm x 55mm x 78 mm), feature set and performance as the GigE Vision models. In addition, both model types offer a choice of lens mounts (C, F, M42), simplified filter integration, as well as multiple camera mounting options to ease the system integration.

The new Camera Link models allow various industries to use the camera with their established machine setup without changing the camera interface. Therefore, many existing SWIR camera applications can be upgraded with Goldeye CL cameras and benefit from an outstanding low-noise image quality at very high frame rates (e.g. up to 301 fps @ 640x512 pixel in 12-bit mode).

**Goldeye – Excellence in Infrared**

Goldeye cameras are equipped with InGaAs sensor technology making them sensitive in the short wave infrared spectrum ranging from 900 to 1,700 nm. All Goldeye cameras have active thermoelectric cooling (TEC) to reduce noise and enable extended exposure times as well as constant image quality. Goldeye cameras can be operated at very high frame rates and capture outstanding low-noise images. They are the perfect choice for industrial applications beyond the visible spectrum.

The **Goldeye G/CL-008 SWIR** is fitted with a QVGA InGaAs sensor (320 x 256 pixels, 30 µm2 pixel size). With frame rates up to 344 fps at full resolution, versatile application fields can be addressed and processes can be sped up. 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. Due to its very affordable price, cost-sensitive applications, where the lower resolution is sufficient, can benefit from the cameras outstanding performance.

The **Goldeye G/CL-032 SWIR** with VGA resolution sensor (0.3 Megapixel), 25 µm2 pixel pitch and 100 fps is the all-rounder in the Allied Vision SWIR camera line-up. In addition to a stronger sensor cooling, a high intra-scene dynamic range of more than 73 dB enable users to apply the camera in various application areas and under varying operating conditions. Goldeye G-032 cameras are also available as a COOL version with enhanced sensor cooling (TEC 2) enabling low-noise imaging even at long exposure times.

The **Goldeye G/CL-033 SWIR** comes also with a VGA sensor, but with a smaller pixel size (15 µm2). The camera delivers images at very high frame rates of 301 fps at full resolution (640 x 512). The Goldeye G-033 earned the Innovators Award 2015 from Vision Systems Design magazine. 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.

**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.
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