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| **Press Release** | **20.3.2018** |

Allied Vision to showcase the 1 Product Line, latest Manta CMOS models and Goldeye SWIR at The Vision Show 2018

**Allied Vision will be exhibiting at The Vision Show 2018 highlighting the Allied Vision 1 product line, the latest Manta CMOS models and Goldeye short-wave infrared (SWIR) cameras.**

Boston, Massachusetts, March 20, 2018 – Allied Vision will be exhibiting at The Vision Show 2018 in Boston, Massachusetts at the Hynes Convention Center from April 10-12, 2018. Allied Vision can be found on the main exhibition floor at **booth #306** and in the Embedded Vision Pavilion at **booth #921**.

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

The nucleus 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. This allows for on-board pre-processing (image correction and optimization) inside the camera, which frees CPU on the host side.

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

**Manta CMOS Cameras: A Combination of Excellent Imaging and Versatility**
Manta is Allied Vision’s versatile digital machine vision GigE camera. Options such as PoE variants, near-infrared sensitive models, and alternative housings, including board-level configurations, make the Manta great for complex applications. The latest Manta CMOS models are equipped with latest Sony Pregius IMX sensors:

* **Manta G-040**: integrates the IMX287 CMOS sensor, providing a resolution of 0.4 Megapixels at 286 fps
* **Manta G-158**: uses the IMX273 CMOS sensor, delivering a resolution of 1.58 Megapixels at 75.3 fps
* **Manta G-895**: equipped with the IMX267 CMOS sensor, offering a resolution of 8.9 Megapixels at 13.4 fps
* **Manta G-1236**: fitted with the IMX304 CMOS sensor, providing a resolution of 12.4 Megapixels at 9.7 fps

All Manta models offer advanced camera control features, such as Trigger over Ethernet (ToE) which can be used to trigger the camera via the Ethernet port. This simplifies system integration as one cable can be used to power and trigger the cameras. With a host of image optimization and camera control features, these Manta CMOS models are great for applications such as sports analytics, life sciences, and outdoor imaging with varying lighting conditions.

**Goldeye SWIR: Outstanding cameras for imaging in SWIR wavelengths**Allied Vision Goldeye SWIR cameras are available with either a Gigabit Ethernet (GigE) or Camera Link interface. Goldeye SWIR cameras use InGaAs sensor technology sensitive in the short-wave infrared spectrum of 900 to 1,700 nm and have a compact, ruggedized housing measuring at 55mm x 55mm x 78 mm. Goldeye SWIR cameras also offer users several features such as integrated thermo-electric sensor cooling (TEC), on-board image correction and comprehensive I/O control opinions. It is great for advanced imaging applications such as hyperspectral imaging, thermal imaging, or laser beam profiling. The following three models constitute the Goldeye SWIR camera family: **Goldeye G/CL-008 SWIR** (320 x 256 resolution, 344 frames per second), **Goldeye G/CL-032 SWIR** (0.3 Megapixel resolution, 100 frames per second), and **Goldeye G/CL-033 SWIR** (0.3 Megapixel resolution, 301 frames per second).

Stop by either of our booths to discuss your applications and imaging needs with us!

**Booth #306
Booth #921, Embedded Vision Pavilion**

**AIA The Vision Show 2018**
April 10-12, 2018
Hynes Convention Center, Boston, Massachusetts, USA

**About 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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