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| **Press Release** | **22.3.2017** |

Allied Vision to showcase latest CMOS camera solutions equipped with Sony Pregius IMX sensors at Automate 2017

Allied Vision will be exhibiting at Automate 2017 and showcasing its latest Mako and Manta CMOS cameras using Sony Pregius IMX sensors.

Chicago, Illinois, March 22, 2017 – Allied Vision will be exhibiting at Automate 2017 in Chicago, Illinois at McCormick Place North from April 3 – April 6, 2017. Several Mako and Manta CMOS models, using the latest IMX CMOS sensors from Sony, will be highlighted during the show.

**Sony Pregius Technology**  
Over the last two years, Sony’s IMX CMOS sensors utilizing its Pregius technology have become increasingly popular. Pregius is Sony’s global shutter pixel technology providing low-noise and high speeds for active pixel-type CMOS image sensors. Furthermore, these global shutter CMOS sensors offer high saturation capacity and extraordinary dynamic range. This gives Sony’s IMX CMOS sensors image quality that rivals and, in some cases, surpasses CCD sensor image quality. Many of Sony’s latest CMOS sensor offerings have been integrated in Allied Vision’s popular Mako and Manta camera families.

**Mako CMOS Cameras: Small Camera, Big Imaging Capabilities**Allied Vision’s Mako is a low-cost camera with a compact form factor (60.5 mm x 29 mm x 29 mm) that provides excellent image quality for industrial applications. The most recent CMOS models, **Mako G-319** and **Mako G-507**, use Sony’s IMX265 and IMX264 CMOS sensors, respectively. The **Mako G-319** offers a resolution of 3.2 Megapixels at 37.5 frames per second (fps). The **Mako G-507** provides 5.1 Megapixels of resolution at 23.7 fps. Both models are Gigabit Ethernet (GigE) Vision compliant and come with Power over Ethernet (PoE) standard. The Mako can be used in applications such as quality control, logistics, and robotics.

**Manta CMOS Cameras: Superior Imaging and Flexibility Combined**  
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 Sony Pregius IMX sensors:

* **Manta G-319**: integrates the IMX265 CMOS sensor, providing a resolution of 3.2 Megapixels at 37.6 fps
* **Manta G-507**: uses the IMX264 CMOS sensor, delivering a resolution of 5.1 Megapixels at 23.7 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 dynamic lighting conditions.

Stop by our booth to discuss your application’s imaging needs!

**Booth #2537**  
Automate 2017  
April 3 – April 6, 2017  
McCormick Center North, Chicago, Illinois, 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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