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| **Press Release** | **17.01.2017** |

New: Allied Vision Manta G-1236   
with 12 Megapixel Sony CMOS sensor

High resolution camera incorporates the high-quality Sony IMX304 CMOS sensor with PregiusTM global shutter technology

*Stadtroda, Germany – January 17, 2017.* Following the recently released Manta G-895, the new high resolution Manta G-1236 camera expands the versatile Manta camera family. Allied Vision is one of the first camera manufacturers to offer the 12 mega pixel CMOS sensor from Sony in a GigE Vision camera.

**High resolution and excellent image quality**The Manta G-1236 incorporates the IMX304 CMOS sensor out of Sony’s popular Pregius series. This image sensor has a resolution of approximately 12.3 megapixels (4112 x 3008) with a pixel size of 3.45µm. Like all Pregius sensors, it delivers an unprecedented image quality for a CMOS sensor, equaling or even outperforming comparable CCD sensors. The IMX304 has a high saturation capacity and very low noise resulting in exceptional dynamic range. The Manta G-1236 achieves up to 9.7 frames per second at full resolution. Higher frame rates are possible by reducing the region of interest.

**Rich feature set and high versatility**With the new Manta G-1236, users can take advantage of the benefits of this new sensor along with the flexibility of Allied Vision’s Manta platform. The camera offers a comprehensive feature set including image processing functions, which can be used, for example, to increase contrast or to improve the color reproduction. In addition, the camera supports Action Commands, which can be used to trigger the camera via the Ethernet port (Trigger over Ethernet - ToE). As a result, the camera can be operated via a single cable, as demonstrated by Allied Vision at the VISION show in Stuttgart last November.

Thanks to the Manta’s modular concept, users can choose from a large variety of hardware options including Power over Ethernet, angled heads, optical filters, lens mounts, and a board-level variant for easy integration. Easy integration is also granted on the software side: the Manta G-1236 is supported by all popular image-processing libraries and Allied Vision’s Vimba software development kit allows easy configuration with its new intuitive user interface.

The new Manta G-1236 is now available in both monochrome and color camera models.

**Manta G-1236 at a glance:**

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| Specification | Manta G-1236 |
| Sensor | Sony IMX304 |
| Sensor Type | CMOS |
| Shutter Type | Global |
| Resolution | 4112 (H) × 3008 (V) |
| Sensor Size | Type 1.1; 17.6 mm diagonal |
| Cell Size | 3.45 μm x 3.45 μm |
| Interface | GigE Vision |
| Frame Rate (at full resolution) | 9.7 fps |

**Allied Vision company profile**

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, 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)

**Contact (Company Headquarters):**Allied Vision Technologies GmbH | Taschenweg 2a | 07646 Stadtroda, Germany  
Tel.: +49 36428/677-0 | Fax: +49 36428/677-24 | [info@alliedvision.com](mailto:info@alliedvision.com)

**Media contact:**

Nathalie Többen

Allied Vision Technologies GmbH | Klaus-Groth-Str. 1 | 22926 Ahrensburg, Germany

Tel.: +49 4102/6688-194 | Fax: +49 4102/6688-10 | [nathalie.toebben@alliedvision.com](mailto:nathalie.toebben@alliedvision.com)