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| **Press release** | **15.02.2018** |

New Allied Vision Manta models with second generation Sony IMX CMOS sensor

Allied Vision releases Manta G-158 with Sony IMX273 sensor and
Manta G-040 with Sony IMX287 sensor

*Stadtroda, Germany – February 15, 2018* - Allied Vision expands its Manta camera family with two new models incorporating second generation Sony IMX CMOS sensors with Pregius global shutter pixel technology. The Manta G-158 incorporates the IMX273 sensor, offering a resolution of 1.58 megapixels and a frame rate of 75.3 fps at full resolution. The Manta G-040 is equipped with the IMX287 sensor delivering a resolution of 0.40 Megapixels and a frame rate of 286 fps at full resolution. Slightly higher frame rates can be achieved in burst mode.

These new Manta models are especially suited for industrial applications that require accurate imaging of fast-moving objects. Due to their superior performance, these models will be the best candidates to replace existing CCD cameras with similar resolution and optical formats (e.g. with Sony ICX424 or ICX445 CCD sensors). Particular highlights are the three look-up tables, sophisticated color correction capabilities, a robust metal housing, and many modular options like a board level version.

**Single cable solution with Trigger over Ethernet**The new Manta G-158 and Manta G-040 offer the Trigger over Ethernet (ToE) Action Commands feature. ToE enables users to externally trigger GigE cameras in a network through the Ethernet cable. This means that Manta cameras can now be triggered via its Power over Ethernet connection and enable users to realize single cable solutions with data, power, and trigger capabilities. Furthermore, all Action Command related configurations can be saved in the camera’s user sets.

**Versatile camera family for high quality imaging**The Manta is Allied Vision’s most versatile GigE Vision camera with a wide range of features. 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 board-level variants facilitating the integration into almost any application. Easy integration is also granted on the software side: the new Manta models are supported by all popular image-processing libraries, and Allied Vision’s Vimba software development kit allows easy integration and configuration with its new intuitive user interface.

The new Manta models will be available in both color and monochrome variants.

**Manta G-158 and Manta G-040 at a glance**

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| **Model** | **Manta G-158** | **Manta G-040** |
| **Sensor** | Sony IMX273 | Sony IMX287 |
| **Sensor type** | CMOS | CMOS |
| **Shutter type** | Global shutter | Global shutter |
| **Sensor size** | Type 1/2.9 | Type 1/2.9 |
| **Pixel size** | 3.45 μm x 3.45 μm | 6.9 μm x 6.9 μm |
| **Resolution** | 1.58 megapixel1456 (H) × 1088 (V) | 0.40 megapixel728 (H) × 544 (V) |
| **Frame rate** | 75.3 fps | 286 fps |
| **Lens mounts** | C-Mount | C-Mount |

**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.
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