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| **Press release** | **November 6, 2018** |
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Preview at VISION 2018: New Ultra-high Resolution Cameras from Allied Vision

At VISION 2018 in Stuttgart, Allied Vision presents two new Prosilica GT cameras with ON Semiconductor ultra-high resolution CCD sensors

*Stuttgart/Stadtroda, Germany, November 6, 2018* – Allied Vision showcases new cameras for ultra-high resolution imaging applications at the world's leading machine vision trade fair VISION at the Stuttgart Exhibition Center from November 6 to 8 (Hall 1, Booth D30). The Prosilica GT Large Format camera platform is extended by two ultra-high resolution CCD sensors from ON Semiconductor.

**Cameras for demanding applications**The new Prosilica GT cameras are ideal for high-resolution imaging applications with demanding requirements on robustness and design-in flexibility. The rugged camera design, effective passive cooling, and comprehensive feature set make the Prosilica GT cameras the perfect choice for outdoor imaging applications such as aerial mapping, public security, and surveillance.

The 50 Megapixel Prosilica GT10000 is equipped with the KAI-50140 large-format CCD sensor from ON Semiconductor. The sensor is characterized above all by its very high resolution of 10,440 × 4,800 pixels. The 2:1 aspect ratio makes the camera particularly suitable for display inspection, aerial photography, and optical metrology. The half-frame Prosilica GT10000 comes with a standardized planarity adjusted M72 lens mount and can therefore be adapted to a wide range of high-end lenses.

The 43 Megapixel Prosilica GT8000 incorporates the KAI-43140 Global shutter CCD sensor. It provides an F-Mount by default and can be used with standard 35mm optics. Through Allied Vision's modular concept customers can also choose from a wide range of lenses with: M58-Mount, M42-Mount, or EF-Mount.

The cameras offer a comprehensive feature set including Power over Ethernet (PoE), three look-up tables, Gamma correction, Decimation X/Y, IEEE 1588 Precision Time Protocol (PTP), Trigger over Ethernet (ToE) Action Commands, Fixed Pattern Noise Correction (FPNC), Defect pixel Correction (DPC), and Shading Correction.

The Prosilica GT10000 and Prosilica GT8000 will be released in the first half of 2019.

**Prosilica GT10000 and Prosilica GT8000 at a glance**

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| **Model** | **Prosilica GT10000** | **Prosilica GT8000** |
| Sensor | ON Semi KAI-50140 | ON Semi KAI-43140 |
| Sensor type | CCD  | CCD  |
| Shutter type | Global shutter | Global Shutter |
| Sensor size | 51.71 mm diagonal | 43.48 mm diagonal |
| Pixel size | 4.5 μm × 4.5 μm | 4.5 μm × 4.5 μm |
| Resolution | 50 Megapixel; 10440 (H) × 4800 (V) | 43 Megapixel; 8040 (H) × 5360 (V) |
| Frame rate | 2 fps | 2 fps |
| Lens mount | M72-Mount | F-Mount |

**Allied Vision company profile**For more than 25 years, Allied Vision has been supplying camera technology and image capture solutions for applications as diverse as industrial inspection, scientific, medical, or outdoor imaging.

By focusing on what counts for each customer, Allied Vision finds solutions for every application, a practice which has made Allied Vision one of the leading camera manufacturers in the machine vision market.

The company has nine locations in Germany, Canada, the U.S., Singapore, China, France, and the UK, and is represented by a network of distribution partners in over 30 countries.

www.alliedvision.com

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