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| **Press release** | **January 23, 2020** |
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Alvium 1800 USB camera now available with Sony Pregius CMOS Global Shutter sensors

Allied Vision releases first Alvium 1800 U camera models incorporating Sony’s popular high-performance image sensors

*Stadtroda, Germany, January 23, 2020* – With the Alvium 1800 U-040 and the Alvium 1800 U-158 Allied Vision releases the first camera models within the Alvium camera series that are equipped with Sony's high-performance CMOS sensors with Pregius global shutter technology. The Alvium 1800 U-040 incorporates the 0.4 megapixel IMX287 sensor and the Alvium 1800 U-158 is equipped with the 1.58 megapixel IMX273 sensor.

**Cross-over machine vision camera**Allied Vision’s Alvium 1800 Series is a cross-over machine vision camera combining the performance and durability of industrial machine vision and the compact hardware and cost effectiveness of embedded devices. Now available with Sony IMX CMOS sensors, these cameras provide high frame rates, high sensitivity, and excellent picture quality. Offering industrial-grade hardware, an USB3 Vision compliant interface with screw-locked connectors, on-board image correction functionalities, and high-precision triggering they fulfill all machine vision requirements.

But the cameras also build on Allied Vision’s Alvium platform optimized for embedded vision systems. That means they come in an ultra-compact, lightweight package and are available as a single board module or open housing variant for easy integration into small systems. Their cost-optimized platform design delivers unprecedented value for money.

Thus, the cameras are the ideal choice for machine vision applications requiring a small and lightweight camera delivering high image quality and frame rates at an affordable cost.

**1800 U-040 and 1800 U-158 at a glance**

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| **Camera model** | **1800 U-040** | **1800 U-158** |
| Sensor model | Sony IMX287 | Sony IMX273 |
| Resolution | 728 × 544; 0.4 MP | 1456 × 1088; 1.6 MP |
| Pixel size | 6.9 µm × 6.9 µm | 3.45 µm × 3.45 µm |
| Sensor size | Type 1/2.9 | Type 1/2.9 |
| Shutter type | Global shutter | Global shutter |
| Frame rate | 278 fps | 149 fps |

The cameras are also available with a MIPI CSI-2 interface (Alvium 1800 C-040 and 1800 C-158).

With the new Alvium 1800 U-040 and the Alvium 1800 U-158, the Alvium 1800 Series now includes five USB camera models from 0.4 to 5 megapixels, each available in monochrome or color, as well as a 5 megapixel USB camera incorporating a near-infrared enhanced sensor.

**Allied Vision company profile**For more than 30 years, Allied Vision has been helping people to reach their imaging goals. Allied Vision supplies camera technology and image capture solutions for industrial inspection, medical and scientific imaging, 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 nine locations in Germany, Canada, the United States, Singapore and China and is represented by a network of sales partners in over 30 countries. Allied Vision is member of the TKH Group.

[www.alliedvision.com](https://www.alliedvision.com/en/digital-industrial-camera-solutions.html)

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

**Media contact:**

Nathalie Többen

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

T// +49 4102 6688-194, E// [nathalie.toebben@alliedvision.com](mailto:nathalie.toebben@alliedvision.com)

Francis Obidimalor

Allied Vision Technologies Inc., 102 Pickering Way - Suite 502, Exton, PA 19341, USA

T// +1-484-881-3398, E// [francis.obidimalor@alliedvision.com](mailto:francis.obidimalor@alliedvision.com)