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| **Press release** | **December 20, 2023** |
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Coming soon: High-resolution short-wave infrared Alvium cameras

Allied Vision integrates Sony’s latest SenSWIR sensors IMX992 and IMX993 into its compact Alvium camera series

*Stadtroda, Germany, December 20, 2023* – Allied Vision is expanding its powerful Alvium cameras series for machine vision applications with new models featuring Sony’s latest sensors with Sony’s SenSWIRTM Technology. Equipped with the 2nd generation SenSWIR InGaAs sensors IMX992 and IMX993, Alvium SWIR cameras deliver high resolution images at fast frame rates in a design offering small size, light weight, and low power consumption, including low cost (SWaP+C). The sensors will be available in Alvium cameras with either 5GigE Vision, USB3 Vision or with MIPI CSI-2 interface.

Allied Vision’s Alvium SWIR cameras are the smallest industrial-grade short-wave infrared (SWIR) imaging devices on the market ideally suitable to build extremely compact systems for applications with limited space, such as handheld devices or drones.

**Upcoming camera models at a glance**

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| **Model** | **Sensor** | **Resolution  (H × V)** | **Frame Rate** | **Pixel size** | **Optical Format** |
| **Alvium C-530** | IMX992 SenSWIR | 5.3 MP 2592 × 2056 | 80 fps | 3.45 µm | Type 1/1.4 |
| **Alvium U-530** | 75 fps |
| **Alvium G5-530** | 80 fps |
| **Alvium C-320** | IMX993 SenSWIR | 3.2 MP 2080 × 1544 | 125 fps | 3.45 µm | Type 1/1.8 |
| **Alvium U-320** | 120 fps |
| **Alvium G5-320** | 125 fps |

**Imaging in the visible and SWIR spectrum with a single camera**Alvium SWIR cameras support a spectral range from 400 nm to 1700 nm at high quantum efficiencies. This allows to capture images in both the visible and SWIR spectra with a single camera and enables users to reduce overall system costs! In combination with a high-precision sensor alignment at production time, inspection systems with highest requirements regarding image quality, resolution, and precision can be realized.

**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.

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