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New Alvium options for precise sensor alignment and deepest system integration

With two new modular options for Alvium cameras, Allied Vision increases flexibility for an optimal system setup

*Stadtroda, Germany, March 13, 2023* – Allied Vision has developed two new hardware options for Alvium cameras. As part of the Alvium Modular Concept, these options will make using and integrating the Alvium cameras even easier and more flexible.

**Alvium Flex option for deepest system integration**For more flexibility in the choice of connection between camera and host system Allied Vision releases another hardware option for Alvium cameras. The new Alvium Flex models enable the use of various flex connectors and cables by replacing the standard interface with a board-to-board connector for all signals. As a bare board, the camera is extremely compact with a thickness of just 8mm thereby supporting all the sensors available in the Alvium platform. The option allows for example for a detached USB3 connector when the following accessories are used:

* an adapter board to connect from board-to-board connector to FPC connector (one version for CSI-2, one for USB3)
* two versions of USB connectors (small version and standard with fastener) as well as
* flex cables for USB3 Vision (80mm and 160mm FPC cable) and for CSI-2 (120 FPC cable).

The Flex option will be available in Q2 2023. Engineering samples can already be made available on demand.

**Alvium Frame option for most precise sensor alignment**Vision applications sometimes require more precise sensor alignment and a more compact setup than the standard bare board camera allows, especially when integrating a bare board camera into custom designs. Allied Vision has developed a small precision frame for Alvium bare board cameras to meet these requirements. Alvium Frame cameras are actively aligned during production. The image sensor is perfectly aligned towards the small precision frame.

All Alvium CSI-2 and USB3 camera models can be ordered with this frame enabling an exact alignment of a bare board camera with a custom mount. There are wo methods of alignment:

* Precision milled areas on bottom, side, and front
* Through front face, pin, and oblong hole

This option can be combined with Alvium Flex options.

**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

**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)

Chris Zou

Allied Vision Technologies ASIA PTE.LTD., 82 Playfair Rd, #07-01 D'Lithium, Singapore 368001

T// +65 83934460, E// [chris.zou@alliedvision.com](mailto:chris.zou@alliedvision.com)