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| **Press release** | **June 20, 2022** |
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Alvium platform with new camera models, interfaces, features, and board support

At Embedded World Nuremberg Allied Vision displays the enlarged range of options offered by the Alvium platform

*Stadtroda, Nuremberg, Germany, June 20, 2022* - In the Embedded Vision Area at Embedded World in Nuremberg (**Hall 2, booth# 2-440**) from June 21 to 23, 2022, Allied Vision will showcase the wide variety of new options for its innovative camera series for industrial embedded vision. With GigE Vision, 5GigEVision, FPD-Link III and GMSL2, Alvium cameras are now available with 6 different interfaces for diverse requirements. Together with the large choice of 25 high-quality image sensors, various lens mount and housing options, and a wide range of spectral sensitivities the Alvium platform offers highest flexibility and more than 200 cameras to choose from.

**Versatile embedded ecosystem**In addition to a wide choice of cameras (from USB3 Vision to MIPI CSI-2 and FPD-Link III to GigE and 5 GigE Vision interface), Allied Vision shows a series of camera kits supporting embedded platforms from NVIDIA, including the new NVIDIA® Jetson AGX Orin™. AGX Orin is the latest module of the NVIDIA Jetson family, a very compact AI supercomputer. This gives Alvium camera users easy access to this powerful AI system for energy-efficient autonomous machines. Allied Vision also provides adapter boards for Jetson Developer Kits that allow an easy connection with Alvium CSI-2, FPD-Link3 and GMSL2 cameras. An open source driver supporting all Alvium CSI-2 models is available on [Github.com](https://github.com/alliedvision/linux_nvidia_jetson) for NVIDIA Jetson AGX Xavier, Xavier NX, TX2 NX, and Nano. It supports the latest NVIDIA JetPackTM 4.6.1. A beta release for JetPack 5.0 DP with additional support for AGX Orin is also available

The versatility of the Allied Vision Ecosystem shown at the booth with live demos also comprises modules from NXP, AMD Xilinx, Texas Instruments, and Raspberry Pi. Thus, the visitor can experience the high flexibility and variety of solutions possible with the Alvium platform.

**Available on request: Alvium FPD-Link III and GMSL2 cameras for long cable solutions**Based on the Alvium MIPI CSI-2 cameras, Allied Vision now also offers Alvium cameras with FPD-Link III or GMSL2 with a Fakra connector. This enables long cable solutions of up to 15 meters and a very robust interface connection.

**New cameras, new features**With Alvium 1800 U-052 and Alvium 1800 U-291, Allied Vision adds two fast Sony third generation IMX CMOS sensors with Pregius S global shutter technology to its Alvium Camera Series with USB3 Vision interface. The cameras are also be available with a MIPI CSI-2 interface.
The newest firmware adds features to all Alvium CSI-2 cameras using GenIcam for CSI-2 as well as all Alvium USB3 cameras: a 5x5 Convolution Filter including an adaptive noise reduction mode, an ADC Selection for choosing the bit depth of the readout mode between 12bpp (bit per pixel), 10 bpp, and 8bpp, the possibility to save up to 4 different user sets , and finally the timer control which opens up the possibility for the user to precisely synchronize the illumination.

**Joint power for vision solutions**Together with the NET GmbH on booth 2-444 next to Allied Vision, the two TKH Technology companies will present the broad range of solutions offered by the TKH Vision Group.

**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)

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