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| **Press release** | **January 7, 2020** |
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New Alvium CSI-2 camera with Full HD resolution for embedded vision

Allied Vision to release 2.1 megapixel Alvium 1500 C-210 with MIPI CSI-2 interface

*Stadtroda, Germany, January 7, 2020* – Allied Vision expands the Alvium 1500 C camera series for embedded vision with a new camera model. The new Alvium 1500 C-210 offers a resolution of 2.1 megapixels and thus fills the gap between the 1.2 megapixel Alvium 1500 C-120 and the 5 megapixel Alvium 1500 C-500. The camera combines a Full HD resolution with high frame rates (up to 118 frames per second). Available at an attractive price, the Alvium 1500 C-210 offers a very good price-performance ratio for embedded vision applications.

**1500 C-210 at a glance**

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| **Camera model** | **1500 C-210** |
| Sensor model | ON Semi AR0521 |
| Resolution | 1928 × 1088; 2.1 MP |
| Pixel size | 2.2 µm × 2.2 µm |
| Sensor size | Type 1/2.5 |
| Shutter type | Rolling Shutter |
| Frame rate | 118 fps, using 2 to 4 lanes |
| Power consumption | 1.9 W |

**One driver for all Alvium cameras**

Together with the new CSI-2 camera model Allied Vision releases Vimba MIPI CSI-2 drivers for NVIDIA Jetson SoMs. The drivers support all current and future Alvium camera modules with MIPI CSI-2 interface, no matter which sensor the camera module uses. With minimal development effort, various cameras can be tested with different sensors, diverse resolution variants of a system can be developed, or existing systems can be upgraded to latest sensors. This not only saves time, but also significantly reduces development costs. Comprehensive documentation and support further facilitate system integration and simplifies prototyping. Available on [GitHub](https://github.com/alliedvision) are drivers for NVIDIA’s SoMs Jetson TX2, Jetson AGX Xavier and Jetson Nano.

**The Alvium 1500 Series - Embedded vision made easy**The Alvium 1500 series is the perfect camera for easy hardware and software integration in embedded applications. All models are equipped with a MIPI CSI-2 interface, which is particularly suitable for embedded vision applications as it can address the dedicated hardware of the embedded boards. The Alvium 1500 Series offers an essential feature set. Software integration can be done via Video4Linux2 (V4L2), GStreamer, OpenCV, or direct register access. In addition to the NVIDIA Jetson driver, even more open source drivers for selected processor architectures are provided for V4L2 support, enabling easy integration and fast go-to-market on the system integrator side. The image pre-processing functionalities can be configured directly on the Image Signal Processor in the camera to save CPU load on the host side.

With the new Alvium 1500 C-210, the Alvium 1500 Series now includes four models from 0.5 to 5 megapixels, each available in monochrome or color.

**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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