Press Release   **April 8, 2019**

Allied Vision Alvium Camera Series honored by Vision Systems Design 2019 Innovators Award Program

Allied Vision's Alvium Camera Series received two Silver level awards at the 2019 Innovators Awards ceremony during Automate 2019

Chicago, Illinois, April 8, 2019 – Allied Vision was presented with two Silver level awards in the product categories of "Cameras – Visible" and "Embedded Vision – Cameras" at the Fifth Annual Vision Systems Design Innovators Awards presentation, held during Automate 2019 in Chicago, Illinois. Alvium was recognized by a panel of esteemed experts from system integrator and end-user companies.

Alvium Camera Series: A Revolutionary Camera Solution for Industrial and Embedded Vision

The Alvium Camera Series is Allied Vision's next generation camera solution built on an innovative camera platform. It was designed to bridge the worlds of industrial machine vision and embedded vision and provide a full range of cameras that offers system designers a previously unknown level of freedom. Equipped with either USB3 or MIPI CSI-2, the popular embedded interface, Alvium can be used in both worlds.

At the heart of the Alvium Camera Series, is the proprietary System on Chip (SoC), ALVIUM® Technology, that combines an Image Signal Processor (ISP) with a powerful Image Processing Library (IPL). This enables image corrections and preprocessing to be completed in the camera rather than the host system. Furthermore, ALVIUM® Technology was developed with intelligent power management where only the used functionality draws power.

The idea of simple and easy integration was fundamental in Alvium's design. It comes available in three housing options: bare board, open housing, or closed housing (USB3 models only). Alvium's small footprint allows system designers maximum flexibility with space constrained system designs. Also, software integration is straightforward. ALVIUM® Technology supports various embedded boards such as the NXP i.MX6/8 and NVIDIA Jetson

platforms. One driver is needed for each platform to operate all Alvium camera models. Designers can control the camera via Video4Linux (V4L2), Direct Register Access or GenICam, the machine vision standard programming interface.

The 1500 Series and 1800 Series will be the first series to have models available. The table below offers a quick comparison between the two:

Model	Alvium 1500	Alvium 1800
Interface	MIPI CSI-2	MIPI CSI-2; USB3
Feature Set	Basic feature set	Advanced feature set
Camera Control	Video4Linux2 (V4L2), Direct Register Access (DRA)	GenICam, Video4Linux2 (V4L2), Direct Register Access (DRA)
Housing Options	Bare board, Open housing	Bare board, Open housing, Closed housing (USB3 only)

Alvium will offer resolutions ranging from VGA to 21 Megapixels. The ALVIUM® SoC supports all common sensor interfaces allowing for quick integration of current and new sensors, therefore, making it future-proof.

Focusing on What Counts
"This prestigious program allows Vision Systems Design to celebrate and recognize the most innovative products and services in the vision and image processing industry," said Alan Bergstein, publisher of Vision Systems Design. *"Our 2019 Honorees are an outstanding example of companies who are making an impact in the industry."*

"We are very proud to have Alvium receive two awards from Vision Systems Design's Innovators Award Program," said Andreas Gerk, President & CEO of Allied Vision. *"We'd like to thank Vision Systems Design and the judges for this honor. This recognition further validates our direction for future camera solutions. The versatility of Alvium allows us to focus on what counts: our customers and their applications."*

Click here for more information about the Alvium Camera Series.

About Allied Vision

For 30 years, Allied Vision has been helping people to reach their goals focusing on what counts. Allied Vision supplies camera technology and image capture solutions for industrial machine and embedded vision applications. 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 eight locations in Germany, Canada, the U.S., Singapore, China, France, and the UK, and is represented by a network of distribution partners in over 30 countries.
Allied Vision is member of the TKH Group. www.alliedvision.com

About Vision Systems Design

Published since 1996, Vision Systems Design is a global resource for engineers, engineering managers and systems integrators that provides comprehensive global coverage of vision systems technologies, applications, and markets. Vision Systems Design's magazine, website (www.vision-systems.com), email newsletters and webcasts report on and analyze the latest technology and business developments and trends in the worldwide machine vision and image processing industry.

About The Vision Systems Design 2019 Innovators Awards program

The Vision Systems Design 2019 Innovators Awards program reviewed and recognized the most innovative products and services in the vision and image processing industry. Honorees were announced at Automate 2019 held in Chicago, IL, USA. Criteria used in the Innovators Awards ranking included: originality, innovation; impact on designers, systems integrators and end-users; fulfilling a need in the market that hasn't been addressed, leveraging a novel technology, and increasing productivity.

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