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| **Press release** | **October 22, 2019** |
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Allied Vision presents new Alvium cameras at Embedded VISION Europe

At the European Embedded Vision Conference on October 24 - 25, 2019 in Stuttgart, Germany, Allied Vision announces further USB cameras of its Alvium 1800 series.

*Stadtroda, Germany, October 22, 2019* – Allied Vision will be exhibiting at the European Embedded Vision Conference on October 24 - 25, 2019 in Stuttgart. On this occasion the camera manufacturer will introduce further models of the Alvium 1800 camera series. Two cameras with USB3 Vision interface extend the product range of the 1800 camera series, which can be used for both industrial embedded vision and machine vision applications.

With a wide range of functions for image correction and optimization as well as various trigger functions, the camera series combines the advantages of classic industrial cameras with the benefits of integrated sensor modules (small size, light weight, low power consumption, low price).

**Alvium 1800 - Cameras for Industrial Embedded Vision**The 0.5 megapixel 1800 U-050 camera is equipped with the ON Semi PYTHON 480 sensor with a global shutter and an optical format of 1/3.6''. Thanks to the AR0135CS sensor from ON Semi, the Alvium 1800 U-120 offers a resolution of 1.2 megapixels and a frame rate of 52 frames per second. The USB cameras can be easily integrated with the established Vimba Suite on Windows, Linux and Linux ARM platforms.

Both cameras will be available with different housing variants (closed housing, open housing, bare board) as well as different lens mount options (S-Mount, CS-Mount, C-Mount) from late October on. The USB interface can be located either on the back or on the left side of the case (seen from the sensor). The Alvium 1800 series now includes three models from 0.5 to 5 megapixels, each available as monochrome and color.

**1800 series models at a glance**

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| **Camera model** | **1800 U-050** | **1800 U-120** | **1800 U-500** |
| Sensor | ON Semi PYTHON 480 | ON Semi AR0135CS | ON Semi AR0521 |
| Resolution | 0.5 MP 808 × 608 | 1.2 MP 1280 × 960 | 5.0 MP 2592 × 1944 |
| Pixel size | 4.8 µm × 4.8 µm | 3.75 µm × 3.75 µm | 2.2 µm × 2.2 µm |
| Optical format | Type 1/3.6 | Type 1/3 | Type 1/2.5 |
| Shutter type | Global Shutter | Global Shutter | Rolling Shutter |
| Frame rate | 116 fps | 52 fps | 67 fps |
| Interface | USB3 Vision | | |

**Embedded VISION Europe**The European Embedded Vision Conference will be held in English and is jointly organized by EMVA and Messe Stuttgart, the organizer and host of the biennial VISION international trade show. Allied Vision is actively involved in the conference program with a contribution on camera modules with powerful image pre-processing for embedded vision.

**Allied Vision at Embedded Vision Europe**

* Embedded VISION Europe

October 24 - 25, 2019

ICS International Congress Center Stuttgart

* Exhibition:   
  ICS, Room C5, Booth #2
* Presentation:   
  **How to set up an embedded system for industrial embedded vision   
  - Requirements, components, and solutions**Gion-Pitschen Gross, Product Manager, Allied Vision Technologies GmbH

Friday, October 25, 2019

From 11:45 AM to 12:15 PM

Registration, further information and the entire program:  
[www.embedded-vision-emva.org](file:///C:\Users\NToebben.AVTNET\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\L99O72C0\www.embedded-vision-emva.org)

**Allied Vision company profile**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 nine locations in Germany, Canada, the US, 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

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