Basler dart Camera Module Provides Image Data in a Smart Camera Solution

Customer

- **Wahtari GmbH**
- Location: Munich, Germany
- Industry: IT / Security / Computer Vision / Deep Learning
- Implementation of the application: 2019

Application

Wahtari GmbH develops and sells software and hardware solutions in the area of IT security by utilizing artificial intelligence and deep learning. Security and reliability are the top priorities for the products. The solutions have a simple and modular design. One of the products is the SmartCam, a camera solution with onboard image processing and an integrated AI accelerator. This is a very versatile and modular platform that allows to implement user-defined applications smoothly and to complete Computer Vision tasks in minimal time. Application areas include license plate recognition, parking solutions & security solutions. Wahtari searched for a high-performance camera module with compact dimensions for the SmartCam.

Solution and Benefits

The SmartCam’s open software design makes it possible for customers to integrate their own software stack and operating system. Additionally, Wahtari offers a user-defined, secure operating system with a container sandbox environment for the immediate provision of the end application. The SmartCam makes it possible to focus exclusively on application-relevant tasks without having to worry about security or problems with the surrounding platform.

The SmartCam is rounded off by Wahtari’s end-to-end AI platform Juno.

Juno opens up access to deep learning as an indispensable tool for numerous industries and applications which have high expectations in respect to accuracy, redundancy, data/privacy protection, cost/time savings and much more. Juno is enhanced by an extensive ecosystem of tools and libraries to assist users with developments in the computer vision area. From the preparation of data volumes and scalable and distributed training to performance optimization for research and production in the cloud and onsite, the entire range is represented on a unified platform. Juno minimizes time and costs involved in provisioning new applications and sets new industry standards. Together with SmartCam, it forms a productive AI ecosystem that is accessible to everyone.
Wahtari decided on the Basler dart daA1280-54uc camera module, since this features the most compact design currently available for the selected resolution and frame rate combined with a very attractive price-performance-ratio. The universal USB 3.0 interface makes this module a perfect candidate for the Wahtari SmartCam’s modular approach. To respond to individual customers’ wishes and requirements, the module can be flexibly replaced with other versions.

**Used Technologies**

- Camera module: Basler dart daA1280-54uc - AR0134 CS-mount with USB 3.0 interface

**More Information**

https://wahtari.io/

![Basler dart-daA1280-54uc](image-url)