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embedded world 2022: Basler Presents Innovative Vision Solutions

**Edge computing, cloud connectivity, AI and machine learning for image processing: As a solution provider of vision systems, Basler AG presents product innovations and latest developments at booth 2-550.**

**Ahrensburg, May 05, 2022** - After last year's virtual trade show, Basler welcomes customers and interested parties live again, for embedded image processing solutions in June at embedded world 2022.

Various examples of embedded vision applications will be showcased. For example, a live demonstration presents a complete Basler Edge AI Vision solution in the area of AOI (Automated Optical Inspection). Another approach for anomaly detection reliably finds defective areas using cloud services. In a classification task, artificial intelligence and imaging are used to classify bacterial samples. A case study in 3D imaging for circuit board inspection rounds out the trade show presentation: using fringe light projection and a self-developed algorithm, a 3D height image is created that is suitable, among other things, for those applications that require hardware-accelerated image preprocessing.

The product highlight is the in-house-developed Embedded Vision Processing Board, which is optimized for flexible use in vision applications. It includes various interfaces for image processing and thus allows the connection of different camera types. The development kit benefits from a flexible SoM and carrier board approach based on the i.MX 8M Plus SoC from NXP ®  and can be used not only for prototyping but also in volume production due to its industrial grade design. Developers can thus arrive at ready-to-use vision solutions in a very fast way.

The application areas of the Embedded Processing Kit are extremely diverse and are located wherever fast time-to-market and price sensitivity are required. This means that it can be used in everything from factory automation, logistics and retail to applications in robotics, smart cities and smart agriculture.

After a long break, the Basler team is pleased to be back in person to explore solutions from camera sensor to finished system. The Basler booth is located in Hall 2, Booth 2-550.

**Caption: Basler at embedded world 2022**

Basler is a leading international manufacturer of high-quality imaging components for computer vision applications. In addition to classic area scan and line scan cameras, lenses, frame grabbers, light modules, and software, the company offers embedded vision modules and solutions, 3D products, as well as customized products and consulting services. Basler's products are used in a variety of markets and applications, including factory automation, medical, logistics, retail, and robotics. They are characterized by high reliability, an excellent price/performance ratio, and long-term availability. Founded in 1988, the Basler Group employs around 1000 people at its headquarters in Ahrensburg and other locations in Europe, Asia and North America. Thanks to its worldwide sales and service organization and cooperation with renowned partners, it offers solutions that fit for customers from a wide range of sectors.

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