PRESS RELEASE

Basler Presents a New, Programmable CXP-12 Frame Grabber

**With the imaFlex CXP-12 Quad, Basler AG is expanding its CXP-12 vision portfolio with a powerful, individually programmable frame grabber. Using the graphical FPGA development environment VisualApplets, application-specific image pre-processing and processing for high-end applications can be implemented on the frame grabber. Basler's boost cameras, trigger boards, and cables combined with the card form a complete, compatible CXP-12 vision portfolio.**

**Ahrensburg, May 7, 2024** – With the imaFlex CXP-12 Quad frame grabber, Basler is expanding its CoaXPress 2.0 portfolio with a four-channel programmable, high-performance image acquisition and processing card for demanding machine vision applications. Thanks to the graphical development environment VisualApplets, programming the FPGA on the card is easy, especially compared with conventional methods. The company also offers several services, including consulting services, for the rapid implementation of scalable projects. Thanks to FPGA technology: image and signal data are rapidly transferred in parallel with minimal latency, image pre-processing reduces the CPU load, and VisualApplets can be used to implement image pre-processing and processing for specific applications.

Equipped with four channels, the frame grabber supports all Basler boost cameras and other CXP-12 area scan and line scan cameras on the market with an input bandwidth of 12.5 Gbps per port. For customized high-performance applications, it ensures precise synchronization of all image processing hardware as well as complex trigger scenarios and high data throughput. This enables the creation of robust multi-frame grabber and multi-camera setups with full bandwidth. Basler supplies all the necessary and compatible CXP-12 components, including cameras, trigger boards, and cables.

The comprehensive portfolio of frame grabbers, VisualApplets, and compatible components ensures reduced integration effort and a stable image processing system for real-time applications, including use in electronics and semiconductor inspection as well as factory automation. "Users benefit overall from lower development costs and, thanks to hardware savings, from reduced overall system costs as well as a shorter time-to-market. We provide them with advice, development services, and support worldwide, just as they would expect from a quality-conscious and experienced partner," explains Thomas Karow, Product Market Manager at Basler.

**Image caption:** imaFlex CXP-12 Quad frame grabber, programmable with VisualApplets

Basler AG is an international leader and experienced expert in computer vision. The company offers a broad coordinated portfolio of vision hardware and software. In addition, it enables customers to solve their vision application issues by developing customer-specific products or solutions. Founded in 1988, the Basler Group employs around 1,000 people at its headquarters in Ahrensburg, Germany, as well as other sales and development locations throughout Europe, Asia, and North America. The company invests significant resources in the development of innovative, reliable products with an excellent price/performance ratio. Thanks to its global sales and service organization, as well as cooperation with renowned partners, Basler has been delivering solutions to customers from a wide range of industries for over 30 years.

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