



Press release

Silicon Software PCIe x4 Frame Grabber Supports the Basler A406 – The Fastest Camera Link Camera

Silicon Software is introducing the world's fastest PCIe x4 frame grabber. This new grabber supports the Basler A406k/kc at its full bandwidth. Basler's A406k/kc is currently the fastest Camera Link camera.

The combination of these components represents one of the most powerful systems available for industrial imaging. At the same time, it is a solution with an outstanding price/performance ratio.

The microEnable IV series supports the maximum Camera Link speeds via a PCIe x4 interface. It reaches a transfer rate of 837 megabytes per second in a 10-tap Full configuration mode at the camera's full 2320 x 1726 pixel resolution, and a frame rate of 209 frames per second. In a maximum data test the frame grabbers even achieved a transfer rate of up to 900 megabytes per second.

As the data is transferred via one single DMA channel to the host RAM, additional processing for image reconstruction is not necessary. The frame grabber is multi-board enabled and supports the use and synchronization of multiple Full configuration cameras in one system. The microEnable IV AD4-CL and VD4-CL frame grabbers support both Windows and Linux operating systems in 32-bit and 64-bit mode respectively.



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About Silicon Software

Silicon Software GmbH, located in Mannheim/Germany, is a manufacturer of intelligent pre-processing solutions based on reprogrammable FPGA technology for machine vision applications. The hard- and software products are designed for flexibility, easy handling and performance featuring user programmable FPGA technology.

About Basler

Basler Vision Technologies is a leading global manufacturer of digital cameras for industrial applications, medical devices, traffic systems, and the video surveillance market. Product designs are driven by industry requirements and offer easy integration, compact size, and a very strong price/performance ratio. These characteristics are the decisive factors allowing Basler to hold a leading position in the GigE Vision arena today. Founded in 1988, Basler has more than 20 years of experience in vision technologies and offers one of the broadest product portfolios in the industry. The company employs around 300 people at its headquarters in Ahrensburg, Germany, as well as in international subsidiaries and offices in the U.S., Singapore, Taiwan, Korea, and Japan.

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