

Press release

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PCIe frame grabber series with pre-processing capability.

At VISION2006, **SILICONSOFTWARE** releases a new PCIe based frame grabber generation.

The product line covers frame grabbers with support of BASE, MEDIUM and FULL configuration cameras, even with x1 as well as x4 PCIe interface.

The frame grabber boards are available in different configurations and performance classes.

A special feature is the interface-less board, which can be used as image pre-processing coprocessor. The load of the CPU can be reduced by a relocation of the processing computing. The coprocessor supports all incoming image data, even of analog sources as well as digital sources like USB2, Firewire, GigabitEthernet or data from the RAM storage.

All products are equipped with an internal interface to connect an additional FPGA subboard. This enables even complex real-time image pre-processing. The programming of the processing steps on the FPGA hardware can be realized by the graphical tool VisualApplets. This software eases the hardware programming dramatically. VisualApplets is appointed to an application engineer with priority.

It is the first time, that online processing of image data of a FULL configuration camera can be realized in combination of image pre-processing of FPGA and a mid-priced frame grabber.

With the new product line of frame grabber and coprocessors, **SILICONSOFTWARE** offers scalable solutions from pure image acquisition boards up to image processing boards with highly complex requirements of applications.

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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.

Exhibition information

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Silicon Software GmbH

Booth 4.301
Hall 4