

Press release

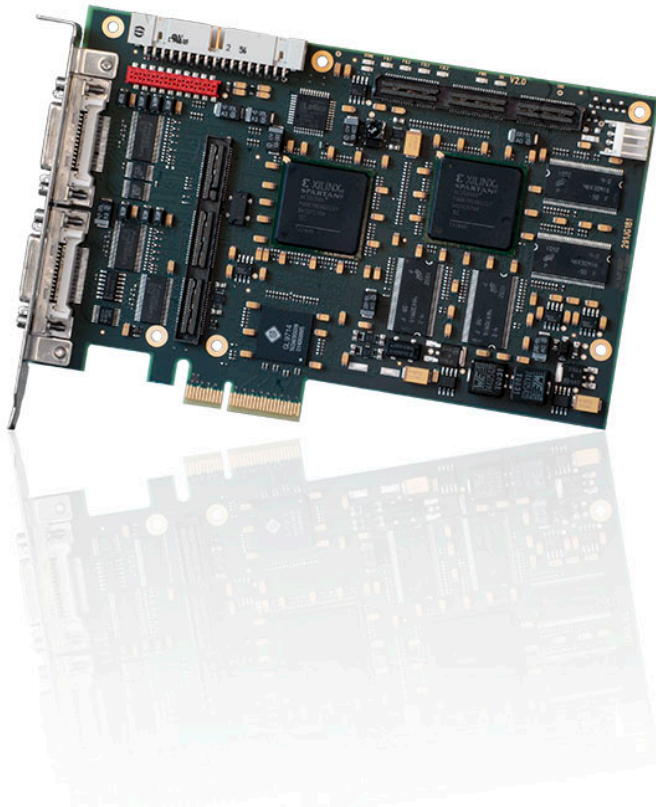
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Silicon Software releases new microEnable IV PoCL frame grabber models for high speed cameras

With the new generation of energy-efficient sensors, PoCL (Power over Camera Link) gets more and more interesting as technology also for high-speed cameras. The new boards microEnable IV AD4-PoCL and VD4-PoCL of Silicon Software are now supporting cameras with power management over the data cable and bandwidth of 850 MB/sec. Hereby compact machine vision systems, even for high-speed range can be realized easily.

The new frame grabber models are available as image acquisition boards of the A-series and as programmable image processing boards of the V-series. The programming of the FPGA hardware can be intuitively realized by the graphical development tool VisualApplets. Both frame grabber types are based on a PCI Express x4 interface, supporting Camera Link cameras from 2*BASE- to 1*-FULL configuration with 10taps and using the technology DMA900 for the image transfer to the PC.

The PoCL operation was successfully tested with the Basler ace area scan camera acA2040 180km with 4 MPixel sensor resolution, achieving the maximum transfer rate of 785 MB/s at 187 fps.



microEnable IV VD4-PoCL
(SiSo_mE4_VD4-PoCL_CMYK300dpi.tif)

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About Silicon Software:

Silicon Software GmbH, located in Mannheim/Germany, is a manufacturer of frame grabbers and intelligent pre-processing solutions based on reprogrammable FPGA technology for machine vision applications. Further focuses are graphical programming environments and image processing libraries for real-time applications. The hard- and software products are designed for flexibility, easy handling and performance featuring user programmable FPGA technology.

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none

Exhibition Information

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Silicon Software GmbH
Booth 4D72
Hall 4