

# Press Release

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Intelligent CameraLink-connection

## **Silicon Software and Fastcom Technology present a joint solution**

The CameraLink technology is becoming more and more the de facto standard of industrial image processing. Both the Swiss manufacturer of intelligent CMOS cameras Fastcom Technology, with principal office in Lausanne, and Silicon Software from Mannheim contribute to that trend.

Fastcom's iMVS camera series, with its high dynamic range of 120 dB, a transfer rate of up to 10 Mpixel/sec, a spectral area of 400nm-1000nm in combination with the intelligent pixel access as well as the integrated, programmable signal processor in connection with Silicon Software's microEnable III frame grabber, turn this solution into an ideal partner in multifaceted machine vision applications.

microEnable III is a high-performance 64bit/66 MHz PCI frame grabber with programmable image coprocessor on a FPGA, that allows an optimal adaption to Fastcom's iMVS camera series and offers additional individual real time image processing. The application of 100 MByte integrated SDRAM memory prevents transfer shortages between camera and host PC.

microEnable III enables the parallel operation of two Fastcom iMVS cameras with different parameterisation at a frame grabber card.

Thus also sophisticated machine vision applications which combine the intelligence of a digital signal processor, FPGA and a host PC can be realised.

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## Key words

machine vision, CameraLink, frame grabber, intelligent image sensor, intelligent pixel access, high grey tone dynamic, DSP, FPGA

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Silicon Software, based in Mannheim, is a manufacturer of intelligent image processing cards (frame grabber) for industrial image processing that is based on the reprogrammable FPGA technology. The products are characterised by high flexibility and efficiency.

Fastcom Technology S.A. develops and realises intelligent sensors for process automation. The company features innovative products, that are brought to readiness for market in close cooperation with partners from research and industry.