

Press release

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H.264 realtime compression board enables high quality hard disk recording

At VISION 2007, **SILICONSOFTWARE** introduces a hardware-based solution for harddisk recording, which transcodes image data from a CameraLink camera in high-quality MPEG4-H.264 format.

The specialized frame grabber board supports the connection of one CameraLink BASE configuration camera. The frame grabber processes a bandwidth of 187 MBytes/sec by connecting a colour camera with HDTV resolution of 2 megapixels.

The frame grabber is equipped with a CameraLink output for a loop through of the original camera data. Hereby the board can easily integrated and synchronously used in existing systems. Application focus is harddisk recording in very high quality for documentation purposes or an offline processing of image data.

The compression rate of the image data can be configured. Artefacts are not perceptible even at a data reduction between factor 75 and 300 (related to an output bandwidth of 6-20 MBit/s).

The standardised MPEG4-H.264 format is used, i.e. at transcoding of celluloid content for BluRay or HD-DVD media.

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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 4D26
Hall 4