

Press release

Informal Reporting VISION 2011 / October 2011

„Processing on interfaces“ – VisualApplets compliant interface integration

In collaboration with Pleora Technologies™ and Framos, Silicon Software now offers tailored components and engineering services to develop, with quick turnaround times, GigE Vision®-based camera systems with embedded programmable image processing functions.

An iPORT™ NTx-Pro video transmitter from Pleora is paired with a Silicon Software vision processor module. Individual image processing functions can be designed using VisualApplets, a graphical FPGA programming environment, or can be selected from off-the-shelf image processing libraries. For sensor selection and integration, and for creation of customized functionality, the highly respected engineering services of Framos are available.

This unique combination of components and services provides, for the first time, a development capability tailored to the creation of pre-programmed and user-programmable GigE Vision compliant smart cameras, where image processing is performed on a powerful FPGA platform.

Image processing modules are available off-the-shelf to meet a variety of requirements. Furthermore, the scalability of the processing system makes it possible to implement customized functionality, from sensor-specific functions such as image corrections and high-quality Bayer color reconstruction, to application-related functions such as 3-D laser triangulation and color classification. The FPGA-based hardware platform guarantees that images are processed and transmitted in real-time, even with high-speed sensors.

Distribution of all components and services are offered by Framos.

Exhibition information

VISION 2011
08.-10.11.2011

Framos GmbH
Booth 4E76
Hall 4

Pleora Technologies Inc.
Booth 4E72
Hall 4

Silicon Software GmbH
Booth 4D72
Hall 4



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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 Framos

Since 30 years, FRAMOS GmbH serves customers in the field of industrial image processing. "Teaching machines to see" is what drives us. It defines our three areas of business: Imaging Products – Image sensors, cameras, modules, image acquisition components, optics, filters, cables, lighting and software,

Engineering Support –
Development support for
cameras, modules and
software,
Imaging Solutions – Customized
image processing solutions for
your application

About Pleora

Pleora Technologies Inc.
pioneered the use of Gigabit
Ethernet for real-time video
connectivity and revolutionized
industrial imaging. With this
spirit of innovation, Pleora
engineers networked video
connectivity solutions for
mission-critical applications.
Working with its rich portfolio of
video networking elements,
Pleora partners with customers
to tailor solutions to their
individual needs, from definition
to deployment, with full
integration support.

Lock Flag

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