

Press release

Informal Reporting VISION 2011 / September 2011

Silicon Software releases SmartApplets 3D measurement with PeakDetector and Center of Gravity

With a focus on 3D measurement, Silicon Software introduces two new SmartApplets families. SmartApplets are application specific, complex hardware programming (applets) that are loaded on the frame grabber and run without any load of the CPU. Settings for each individual function blocks are only configured or parameterized. Code examples for immediate use are included, to ease the integration into the application software and access to the hardware for controlling the parameters. SmartApplets can be run on microEnable IV frame grabbers of the V-series.

Method of the new 3D measurement families is the 3D laser triangulation light section. One highlight is the processing of the measuring points determination on the internal hardware of the frame grabber board. This ensures a real-time behavior and no additional load of the CPU. To use the highest quality of measuring, the Peak Detector algorithm by Aqsense and a center of gravity algorithm were implemented. The SmartApplets software can be run immediately and does not require any additional programming. The fine adjustment is done via a graphical configuration or the SDK.

The first release supports cameras with a sensor data bandwidth up to 850 MB/s (FULL-configuration 10-taps). Subsequent releases will also support synchronized multi-camera systems for Camera Link and GigE Vision.

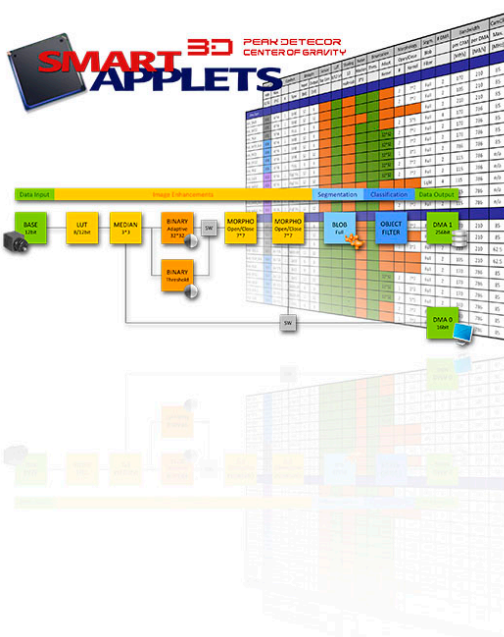
Contact persons

Michael Noffz
 Head of Marketing
 Silicon Software GmbH
 Steubenstrasse 46
 D-68163 Mannheim
 Germany
 Tel: +49 (621) 789 507 0
 Fax: +49 (621) 789 507 10
mnoffz@silicon-software.de
www.silicon-software.com

Mannheim, 2011/09/24

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.



SmartApplets 3D Software
 (SiSo_SmartApplets-3D_CMYK300dpi.tif)

Lock Flag

none

Exhibition Information

VISION 2011
 08.-10.11.2011

Silicon Software GmbH
 Booth 4D72
 Hall 4