

Easier 3D Camera integration with new Halcon interface

Waldkirch/Munich, January 2010 - MVTec Software GmbH (Munich, Germany) and SICK AG (Waldkirch, Germany) have released a new interface for all SICK 3D cameras to allow smooth integration with MVTec's machine vision software HALCON.

The new HALCON 9.0 SICK-3DCamera interface is a unified interface for the complete series of SICK Ranger and Ruler cameras. The interface makes the whole functionality of the 3D Cameras easily and directly available in HALCON, including the unique MultiScan capacity to get simultaneous 3D and 2D images. Thus, the whole functionality of the HALCON library is ready to be applied, including operators for morphology, pattern matching, measuring, and 3D vision.

"HALCON is a very powerful software for image analysis", says Fredrik Nilsson, the Product Manager for the SICK 3D cameras. "This new interface will make it easy for integrators to use the high quality 3D and MultiScan data from our 3D cameras to build complete machine vision solutions with HALCON."

Customers which develop solutions for applications areas like automotive & robotics, packaging, and life sciences certainly benefit from the easy integration of the SICK 3D cameras into HALCON. "The flexible acquisition of high speed 3D data is a perfect complement for HALCON", says MVTec's product manager Christoph Zierl.

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About 3D Cameras

SICK Ranger and Ruler are high speed 3D cameras for the most versatile needs. With their measurement speed, data quality, and high flexibility with the MultiScan technology, they are used in tough industrial environments worldwide for various solutions from small-sized component inspection up to large-scale log scanning. They provide the essential object information such as 3D-shape, volume, contrast, gloss, and surface defects – all at the very same time – needed for robust and reliable solutions.

About SICK

SICK AG's activities focus on producing increasingly intelligent sensors and sensor solutions for factory, logistics and process automation. SICK (provides among other products) industrial vision cameras for factory and logistics automation. This product line includes Vision Sensors, Smart Cameras, Code readers, Accessories and Cameras for high speed 3D Machine Vision. Target customers are Machine Builders, System Integrators and End Users. Continuous innovation, its technological lead and tight cost control ensure SICK's leading position in numerous world and application markets. More information: www.sick.com

About HALCON

HALCON is the comprehensive standard software library with the IDE for machine vision. HALCON provides an outstanding performance for blob analysis, morphology, pattern matching, measuring, 3D object recognition, and binocular stereo vision, to name just a few. HALCON offers more than 1300 operators and provides interfaces to hundreds of industrial image acquisition devices. Furthermore, HALCON is platform-independent and compatible to Windows, Linux, and Solaris.

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More information: www.halcon.com

About MVTec

MVTec is a leading manufacturer of standard software for machine vision. MVTec products are used in all demanding areas of imaging: Semi-conductor industry, web inspection, quality control and inspection applications in general, medicine, 3D vision, and surveillance. MVTec has more than 30 established distributors, located throughout Europe, North and South America, Australia, and Asia (China, Japan, Korea, India et al.). In addition, MVTec, LLC works out of Boston, MA (USA), to better attend the North American market since 2007. For more information refer to www.mvtec.com

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