embeddedworld2018
Exhibition&Conference
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Hall 1 - Booth 458
27.2 - 1.3.2018 / Nürnberg

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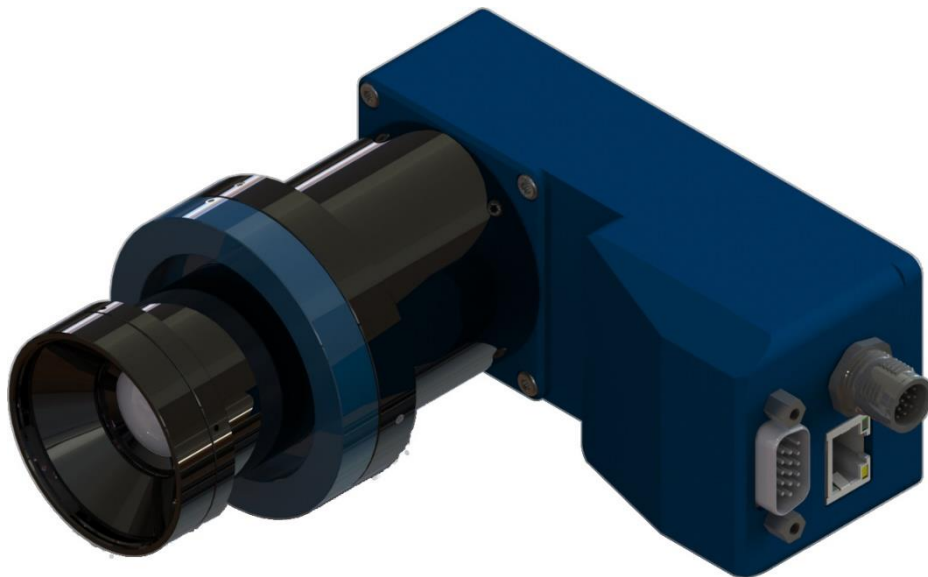
IMAGO
TECHNOLOGIES

Press Release

15.01.2018

Intelligent Line Scan Camera from IMAGO

The new VisionCam LM is able to unify different components of a line scan application in a single device. Together with the application software (optionally supported by Halcon Embedded), an attractive vision system is created.

With the VisionCam LM, IMAGO combines two long-time areas of operation:
As a specialist for all kinds of line scan camera connections to our VisionBox, we regularly solve the encoder signal processing and the real-time behavior. For many years, we have been joining energy-efficient processors and CMOS sensors to intelligent matrix cameras, the VisionCam. We will present the newest innovation from both fields at the embedded world in Nuremberg for the first time:

In the VisionCam LM, a modern, fast ARM Dual-Cortex A15 processor with Linux processes the data from a line scan sensor with up to 8k pixels in monochrome or color. Through the approx. 4 - 4½ times higher computing power in comparison with a Dual-Cortex A9, line scan rates of up to 50 kHz with 4k resolution can be reached and processed. The data output takes place through Gigabit Ethernet, results are communicated directly over digital outputs or the RS-232 with the application. Digital inputs, RS-232 and an Encoder interface are provided on the input side to enable perfect synchronization.

Visit IMAGO at the embedded world at booth 1-458 and get to know the complete range of VisionBoxes and VisionCams. IMAGO's experts are happy to consult you in a technical discussion.

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IMAGO Technologies GmbH: The company, founded in 1994, offers manufacturers of series systems specifically optimized VisionBoxes based on processors from Texas Instruments, Intel and NXP. A technology kit includes camera, I/O, LED Controller, Ethernet and fieldbus interfaces. Combined with the standard products, an ODM (Original Design Manufacturing) design is quickly and easily created. Depending on the processor type, the systems run in real-time mode on RT Linux, Linux or Windows Embedded. IMAGO supplies customers in the areas of industrial image processing and traffic engineering as well as device manufacturers, with the main focus always lying on optimized image processing functionality.

IMAGO
TECHNOLOGIES
Embedded-Vision-Architects since 1994

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