

Press Release

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Programmable Cameras and Boxes for Embedded Vision



IMAGO Technologies' ARM family of VisionBoxes, VisionCams and the VisionSensor

IMAGO Technologies celebrates a quarter century of success in 2019, summarized today as Embedded Vision. The company has always been at the edge of technology with now leading approaches like Trigger-and-Power-over-Ethernet, 10GigE, Embedded Deep Learning, Embedded Machine Vision, Edge Computing, etc.

Latest product developments combine IMAGO's established ARM platforms with current market requirements. Some highlights:

Embedded Deep Learning brings artificial intelligence from the cloud into the device or machine. The first step of downsizing a server farm is using a powerful GPU board (> 2500 CUDA cores) inside a

compact VisionBox with Intel or ARM. The second step is a fanless VisionBox with embedded GPU & ARM. Third and final step is downsizing the deep learning applications into a VisionCam, IMAGO's programmable camera, and run both training and inference on the ARM architecture.

Programmable VisionSensors allow the combination of compact hardware with optimized programming, according to the application's requirements. In serial production of devices / machines, this is the most cost-effective way of embedded vision.

Scalable technology allows IMAGO's customers to choose the best combination of processing power, camera sensor(s) and interfaces.

Visit IMAGO Technologies for a discussion about these latest technologies at the Embedded World in Nuremberg (booth 1-458).

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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.



Embedded-Vision-Architects since 1994

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