

press release

The Vision Box AI goes into series production IMAGO Technologies' NVIDIA Jetson AGX Orin-based AI Platform for Vision Applications and Inference Programs

Friedberg, Germany, July 2023: IMAGO Technologies GmbH, a leading provider of industrial embedded computing solutions, today became one of the world's first vendors to announce the pre-production run of its new edge AI system, Vision Box AI. The new computer is designed to meet the need for a powerful CPU combined with AI capabilities for demanding industrial applications. The Vision Box AI is primarily aimed at product developers of image processing systems who want to use the very latest AI technology in their systems in an energy-saving way and with long-term delivery.

The industrial computer has up to 12 ARM CPU cores with access to up to 64 GB RAM for standard applications. Tasks can be distributed and sufficient memory is available for images, even if they are captured by very high-resolution cameras. The high-performance, low-power unit achieves an AI-relevant computing power of 275 TOPS (Tera Operations per Second, 8-bit integer) with a remarkable level of energy efficiency. In addition to standard interfaces and real-time IOs, the computer offers encoder inputs and a Camera Link interface. GigE cameras are also supported.

The Vision Box AI is fanless and compact, making it easy to use in a variety of environments. The AI platform is currently available for pre-order. For more information, visit www.imago-technologies.com

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NVIDIA Jetson AGX Orin



Vision Box AI.jpg

The high-performance edge AI solution enables exceptional computing performance and low power consumption.

Image source: IMAGO Technologies

ABOUT IMAGO TECHNOLOGIES

IMAGO Technologies is a leading manufacturer of intelligent, freely programmable cameras and vision sensors as well as special computers for automated image processing. IMAGO develops, manufactures and markets image processing components at the Friedberg site in Germany for worldwide customers in the field of industrial inspection, pharmaceuticals, mechanical engineering and ... soon also your application? For almost 3 decades, IMAGO has been offering forward-looking solutions with a view to the needs of series product developers with great innovative strength. The product portfolio includes CPU/GPU equipped line scan, area scan and Event-based cameras complemented by Deep Learning image processing computers as well as i-Core Box PC / Panel PC each with Windows or Linux operating system, the latter with real-time optimization. The portfolio is complemented by two solutions that can be used directly in the application: AI-based image processing and predictive maintenance. In the roadmap, current and future new developments are always prepared for AI applications. Already today, customers develop AI solutions completely integrated in the format of a camera up to space and power saving computers with latest embedded CPU/GPUs. In addition, IMAGO supports its customers with engineering and software development services. For more information, please visit www.imago-technologies.com.