Visit us at Vision Shenzhen from November 15 to 17, 2022, booth 8H17

MVTec showcases 25 years of machine vision expertise at Vision China Shenzhen

- **First-time participation in Vision Shenzhen, one of China's leading machine vision trade shows**
- **Presentation of the latest product releases and technology highlights**
- **Live demonstrations provide practical insight**

Munich/Shenzhen, October 18, 2022 – MVTec Software GmbH (www.mvtec.com), a leading international manufacturer of software for machine vision, will be presenting its entire product portfolio at Vision China Shenzhen (www.visionchinashow.net) from November 15 to 17, 2022. As an important industry gathering, Vision Shenzhen offers MVTec the perfect opportunity to demonstrate the technological expertise in machine vision that the company has accumulated over the last 25 years.

"After a long period without trade shows, we are looking forward to interacting in person with our customers, partners, and other interested parties in China again. Backed by a quarter century of machine vision experience, we'll provide demonstrations of our technology leadership. With our customers as sparring partners and our strong team of experts, we'll continue to provide the best possible machine vision products for our customers in the future," Dr. Olaf Munkelt, Managing Director of MVTec, comments.

Visitors to booth 8H17 will be able to take a first-hand look at the latest versions of MVTec's machine vision software products HALCON & MERLIC and to learn more about current trends and technologies in machine vision.

Exciting live demos deliver transparent practical insights

MVTec experts will use live demos to deliver practical insights into efficiently solving many common types of machine vision applications. A showcase, for example, will demonstrate how common bar and data codes can be read using MVTec's software, regardless of orientation – even if the element width is less than one pixel or if the code is partially obscured. Another demo using the MERLIC software will show how deep-learning-based anomaly detection easily and effectively facilitates the automated inspection of surfaces. Only a small number of "good" images is required for training and, in contrast to other deep learning methods, no tedious labeling is required.

In another multiplatform demo, MVTec shows that both software products HALCON and MERLIC work on various embedded devices and support AI accelerators that make use of, for example, OpenVINO or TensorRT. With its AI Accelator Interface (AI^2), MVTec offers an open interface to allow other deep learning hardware accelerators to be connected, thus enhancing the capabilities of existing hardware setups with ease and at affordable prices.

In addition, Presales Engineer Zhang Jiaji will deliver a presentation on "Let your machine vision applications benefit from deep learning" from 10:00 to 10:30 on November 16 at the exhibition seminar center, giving practical insights into the deep learning applications of the MVTec software.

About MVTec Software GmbH

MVTec is a leading manufacturer of standard software for machine vision. MVTec products are used in all demanding areas of imaging: semiconductor industry, surface inspection, automatic optical inspection systems, quality control, metrology, as well as medicine and surveillance. By providing modern technologies such as 3D vision, deep learning, and embedded vision, software by MVTec also enables new automation solutions for the Industrial Internet of Things aka Industry 4.0. With locations in Germany, the USA, and China, as well as an established network of international distributors, MVTec is represented in more than 35 countries worldwide. www.mvtec.com

About MVTec HALCON

MVTec HALCON is the comprehensive standard software for machine vision with an integrated development environment (HDevelop) that is used worldwide. It enables cost savings and improved time to market. HALCON's flexible architecture facilitates rapid development of any kind of machine vision application. MVTec HALCON provides outstanding performance and a comprehensive support of multi-core platforms, special instruction sets like AVX2 and NEON, as well as GPU acceleration. It serves all industries, with a library used in hundreds of thousands of installations in all areas of imaging like blob analysis, morphology, matching, measuring, and identification. The software provides the latest state-of-the-art machine vision technologies, such as comprehensive 3D vision and deep learning algorithms. The software secures your investment by supporting a wide range of operating systems and providing interfaces to hundreds of industrial cameras and frame grabbers, in particular by supporting standards like GenICam, GigE Vision, and USB3 Vision. By default, MVTec HALCON runs on Arm®-based embedded vision platforms. It can also be ported to various target platforms. Thus, the software is ideally suited for the use within embedded and customized systems. www.halcon.com, www.embedded-vision-software.com

About MVTec MERLIC

MVTec MERLIC is an all-in-one software product for quickly building machine vision applications without any need for programming. It is based on MVTec's extensive machine vision expertise and combines reliable, fast performance with ease of use. An image-centered user interface and intuitive interaction concepts like easyTouch provide an efficient workflow, which leads to time and cost savings. MERLIC provides powerful tools to design and build complete machine vision applications with a graphical user interface, integrated PLC communication, and image acquisition based on industry standards. All standard machine vision tools such as calibration, measuring, counting, checking, reading, position determination, as well as 3D vision with height images are included in MVTec MERLIC. Furthermore, the software is able to execute tools in parallel, increasing overall efficiency and improving the implementation of multi-camera-setups. MERLIC's features are all based on the latest state-of-the-art machine vision technologies, such as matching or deep learning. The software is available for Windows-based PC and embedded platforms, making it ideally suited for use in smart cameras. www.merlic.com

Press release

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