**Visit us at embedded world DIGITAL from March 1 to 5, 2021**

**Embedded Vision Digital: MVTec presents new concept feature at the virtual trade fair „embedded world DIGITAL“**

* **MVTec shows performance of HALCON and MERLIC on embedded systems**
* **Introduction of the brand new MERLIC concept feature: anomaly detection**
* **Live presentation on hybrid approaches for embedded applications**

**Munich, February 18, 2021** – MVTec Software GmbH ([www.mvtec.com](http://www.mvtec.com)), a leading international software provider for machine vision, will be presenting its product portfolio at embedded world DIGITAL ([www.embedded-world.com](http://www.embedded-world.com)) from March 1 to 5, 2021. Visitors to the virtual industry meeting can learn about the features of current and future releases of HALCON and MERLIC and can discuss with MVTec experts – conveniently from their PC.

**Embedded vision and deep learning: demonstrations with application examples**

The performance and robustness of the products **HALCON** and **MERLIC** will be presented by MVTec experts with the help of several demonstration videos. Especially convenient for visitors: They can ask questions to the experts directly via live chat or via call function.

The presentation of **MVTec MERLIC** **holds a concept feature** that was first introduced to visitors of the virtual MVTec Innovation Day on February 3: anomaly detection. Using the example of an inspection of printed circuit boards a demo will demonstrate how the all-in-one software can drastically simplify the use of complex deep learning algorithms.

One of the highlights will also be the new version of the standard software **MVTec HALCON**. Among other things, HALCON 20.11 includes a unique new deep learning feature: **edge extraction**. An illustrative demonstration will show how edges that could not be identified with conventional edge detection filters can now be extracted robustly using this method. Edge extraction can be trained with only a few images, which greatly reduces the programming effort.

The **Embedded Vision Starterkit**, a joint demo with Allied Vision Technologies GmbH, will demonstrate how to get started quickly with the development of embedded vision applications.

**Live presentations: embedded vision in theory and practice**

MVTec will also participate in the supporting program at the virtual trade fair. **Christoph Wagner, Product Manager for Embedded Vision and Technical Product Manager MERLIC**, will hold a presentation titled *“****The Best of Both Worlds: Rule-based Systems and AI for Embedded Vision****“*at the embedded world conference on March 5 from 12:00 to 12:30 p.m. (CET). MVTec will also offer a presentation on "MVTec’s Deep Learning Spectrum" at the accompanying embedded world Exhibitors' Forum.

**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](http://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](http://www.halcon.com/), [www.embedded-vision-software.com](file:///%5C%5Cspsc%5Cmvtec%5Coffice%5Cpr_marketing%5Cpublic_relations%5Cpress_releases%5C2021_press_releases%5C2021.02_pi_vision_china_shanghai%5Cwww.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](http://www.merlic.com)

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