

The Door is Open for OpenCV

OpenCV is already an established name in the field of machine vision. However, the upcoming version 3.0, combined with the Kithara real-time system, catapults the function library into the stratosphere of image processing.

As a consequence of our ongoing efforts to connect all relevant vision software components with the RealTime Suite, it is now possible to combine the cost-efficient integration as well as the functional variety of OpenCV with “hard” real-time capabilities. Therefore, starting with version 3.0, OpenCV can be run with guaranteed reaction times of down to a few microseconds, which allows for the profitable implementation of a diversity of projects with time-critical image processing requirements. The result represents an ideal foundation for applications in fields such as quality assurance or robotics.

OpenCV owes its widespread utilization in industry and research to a large number of available optimized standard algorithms, including face and object recognition or segmentation. Additionally, OpenCV is considered to be a high-performance machine vision library. Multi-core features can be applied to great effect, thus reaching an appropriately high amount of frames per second. Furthermore, the software is free for commercial use under the BSD license.

With the addition of true real-time the door for industry-capable machine vision with OpenCV has been opened—you just have to walk through it.

For an up-to-date overview of Kithara products and a variety of test versions visit our website at www.kithara.com.

