

# HALCON Embedded for eXcite



## Description

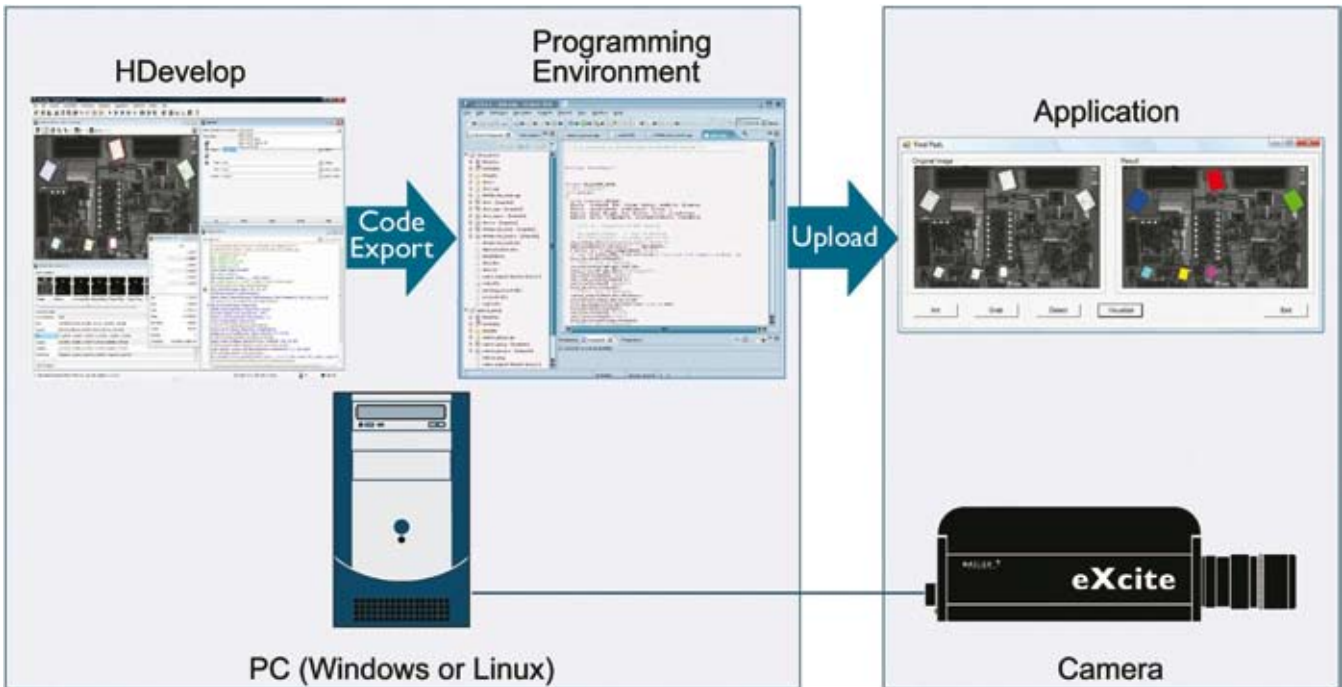
HALCON from MVTec is an extensive software library for industrial image processing. It provides more than 1 300 operators with outstanding performance. The high quantity, reliability, and uniqueness of HALCON's operators make this software exceptional. The "HALCON Embedded for eXcite" version of the software is 100% compatible with the standard version of HALCON.

For more information about the HALCON software library, visit the HALCON website at [www.halcon.com](http://www.halcon.com).

### Your benefits include:

- HALCON's machine vision power directly available on the eXcite
- Optimized for eXcites HW architecture
- Access the full functionality of HALCON
- Execute HDevelop programs on the eXcite
- Easy reuse of your existing HALCON programs

**HALCON** Embedded



During image processing software development, HDevelop has access to all eXcite camera functions via a LAN connection. Once development is complete, the exported C++ code must be translated into an application and uploaded to the eXcite. At runtime, a special software license mechanism will enable use of the HALCON operators on the eXcite. The HALCON packages delivered for use with the eXcite are:

**The HALCON Foundation Package** – contains all of the basic methods needed for image processing. This includes tools for edge detection, FFT, segmentation, region processing, morphology, blob analysis, and color image processing. It also includes noise, smoothing, and texture tools.

**The HALCON Bundle Package** – contains all of the operators from the foundation package along with operators for calibration, 1D, 2D, and 3D metrology, bar code and data code reading, OCR/OCV reading, and matching. The bundle package contains all of the operators currently available from HALCON.

“HALCON Embedded for eXcite” is a special version of HALCON that is optimized for the processor architecture on the eXcite. It is only available via Basler’s distribution channels. Please contact us for more information.

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