

CONNECTED VISION FRAMEWORK/SDK

MAKE VISION ALGORITHMS EASY TO USE

OVERVIEW

To be able to rapidly develop computer vision applications, system designers, algorithm and application developers as well as customers and end-users of such systems need architectures that give them flexibility to build the best solution possible. Connected Vision Framework supports algorithm developers with a dedicated SDK so that they can focus on their image processing algorithm rather than worrying about implementation and integration details. Connected Vision offers a powerful basis to solve complex computer vision tasks with a modular approach that makes computer vision algorithms and related applications easy to integrate, re-usable, secure and combinable.

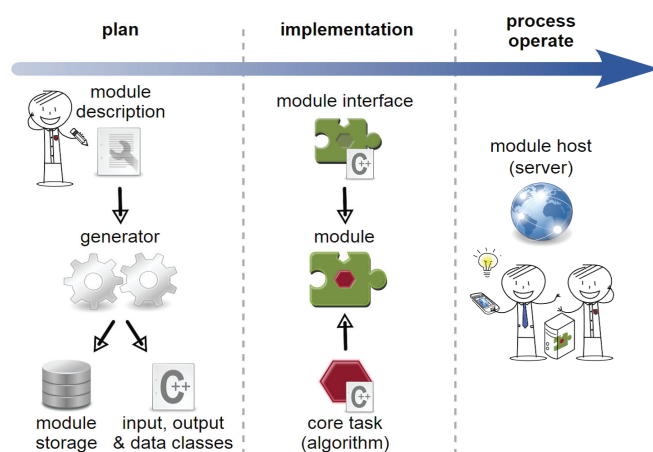


Figure: development process from planning to operation

KEY FEATURES

- ▶ Novel modular framework that provides
- ▶ Secure & distributed architecture (modules running on separate physical machines)
- ▶ Communication and integration between modules via a RESTful interface using JSON
- ▶ Designed to process live (e.g. network camera) as well as archived data (e.g. video file)
- ▶ A concept for re-usable, secure and combinable approaches
- ▶ Fast and efficient data management
- ▶ Simultaneously available for several hardware platforms (pc, tablet, mobile devices)
- ▶ Automatically generated module interfaces using your module description
- ▶ Individual module development with a core task (algorithm) to be integrated by you
- ▶ Easy integration of the framework into existing systems due to the RESTful interface using JSON
- ▶ Various modules available such as video and camera importer, person detector etc.

REQUIREMENTS

- ▶ Operating system: Microsoft Windows 7/8.1 64 bit
- ▶ SDK available for Microsoft Visual Studio 2010/C++

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