Computer Vision for Android

Hiwi position

Motivation
Mobile devices, such as smartphones or tablets, are getting more and more popular and many tasks are already being performed over such devices instead of standard PCs. Due to this wide-spread use there is also an interest in bringing computer vision algorithms to mobile devices. Todays smart phones and tablets have more computational power so that it is now possible to run such algorithms directly on the device instead of using a client-server architecture.

Goals
The goal is to port our existing computer vision libraries and applications to Android so that they can also be used on mobile devices. One of our libraries dependencies is OpenCV which is already available for Android.

Requirements
- Interest in the topic
- Basic knowledge of pattern recognition as presented in the lecture Cognitive Systems might be helpful
- Good C++ programming skills on Linux and Android

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