



## INTERNSHIP

### SW-Integration for Drone Detection System

#### Problem Description

For our drone detection system we have to integrate an optical verifier. This includes the SW implementation of a standard network camera protocol and low-level control functions to steer the camera mount. In a first phase, the camera mount has to follow a given trajectory in open-loop mode. Later, the control loop shall be closed in order to follow a target object from video tracking sequences.

The goal of this internship is to gain experience from the integrated system in order to define requirements for an ideal camera mount for use in future projects. Moreover, a market survey of available COTS products shall be conducted.

#### Your Profile

- Bachelor/Master student in electrical / mechanical engineering / computer science
- Experience in SW engineering (C, C++, or C#) and control system theory
- Knowledge of TCP/IP protocol (network camera) is a plus
- Independent, structured, and solution-oriented

#### Contact

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