

Room number recognition

Problem Statement

It should be possible to recognize the room number of all doorplates at TUM.

Scope

The doorplates of the doors of TUM should be recognize to allow two use cases:

- The user should get an overview over the current building showing his current location.
- The user should get information about this room.

Requirements

- Using the camera the iPad should read and recognize the registration number of a room plate.
- Recognized room numbers should be automatically shown to the user.
- The registration numbers should automatically be reconciliated with a room number database.
- The code should be easily transferable to other applications.

Deliverables

- Blue print and documentation
- A compiled library with all necessary h-Files.
- A sample application using the library.