

POTC Meeting Minutes
Wednesday 11:45, 1/29/14

Order Status: Parts have been ordered and we will be notified once they arrive. Camera will likely be the last piece of hardware to arrive.

Existing Hardware: A micro USB power supply is available for us to use. No need to order one at this time.

First Design Review: Demonstration should include being able to capture video from the Raspberry Pi (RP) camera. Program should show that we understand the basics of the OpenCV library. We should also be able to track cars using a blob detection algorithm, and be able to show that our setup will be able to double as a security system with the ability to stream video. That would ideally include two-way communication between camera and server or app.

IDEs: IDEs to look into would be WebIDE, Ipython, or Eclipse IDE. Professor Schafer mentioned Eclipse as one to look into.

Future Additions:

- security camera functionality that allows a user to switch between camera feeds.
- servo motors for panning that camera.
- Note: additional hardware must be inexpensive since we are already nearing the budget with 4 camera nodes.

To do:

- Find a suitable IDE
- setup RP and camera once it arrives
- Begin learning about the Python language and familiarize ourselves with OpenCV
- Determine a solution for our main server. Note: we can use space on the EE website.