

Weekly Status Report 3

Quadcopter Cameraman

sdmay19-42

February 6 - February 12

Aamid Ahabab (Lead Engineer) & Client

Zhengdao Wang (Team Advisor)

Alex Nicklaus (Lead Test Engineer)

Isaac Holtkamp (Web Manager)

Nate Allen (Report Manager)

Luke Rohl (Meeting Facilitator)

This week's accomplishments

Summary

- Alex
 - Continued work with Boyd labs they've gotten us to the point where we are able to mount the motors right to the frame
 - We are currently working on getting additional screws from ETG having a bit of trouble with that
 - Development Pis are still not working
- Nate
 - Created calibration script for masking retro reflective tape
 - Created .INI configuration file for masking
 - Learned and implemented reading and writing to .INI files
- Luke
 - Create tutorial for setting up Android and Drone bluetooth communication
 - Android Bluetooth comms handler, i.e. what to do after a command has been received
 - Nate and went over the control flow and have planned out the next dependencies
- Isaac
 - Continued to work on Bluetooth commands
- Aamid
 - Ordered the skids and looked up some documentation for pi to hardware communication
 - Road blocked by hardware equipment not arriving yet

Planned to accomplish next week

- Nate
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- Luke
 - Create Generic Server and Client Sockets for inter process communication
 - Finish Bluetooth Communication class
 - Research and test thread communication
- Alex
 - Fully assemble drone
- Isaac
- Aamid
 - Fully assemble the drone

Roadblocks

- ~~MultiWii isn't compiling~~
- Problems with rented Pis need to fix
- Group's Flight Controller is powering up but not connecting to PC for MultiWii firmware update

Hours Spend

Team member	Hours This Week	Hours Total
Nate Allen	4	18
Alex Nicklaus	4	12
Luke Rohl	3	13
Mir Ahbab	1	11
Isaac	2	10