

## Daily Log

### Monday January 13

Wanted to talk to Dr. White about getting Raspberry Pi Camera but he wasn't in class. Emailed him later about the camera.

Looked into Raspberry Pi camera module documentation briefly.

### Tuesday January 14

Confirmed with Dr. White about camera email - decided with him that we would buy the Camera Module V2, and he said he would put in an order for me.

Explored Raspberry Pi camera documentation extensively - learned how to take still pictures and how to do so at certain intervals, which is what I need.

### Thursday January 16

Continued looking into Raspberry Pi documentation - looked up other cool stuff that I can potentially decide to do with it.

Began writing Raspberry Pi camera code on my computer. Although there are obviously errors, I think the code I'm writing is right so far.

## Timeline

Date	Goal	Met
1/2/20	N/A (Winter Break)	
1/9/20	Set up Pixy camera to be working and able to take pictures	Yes; Successfully set up Pixy camera
1/16/20	Talk to Dr. White about getting Raspberry Pi camera and while waiting look into how to program Raspberry Pi camera module and linking it to my current system	Yes; Learned how to program Pi camera module to my needs and began linking it to my current system. Raspberry Pi camera module V2 ordered.
1/23/20	Hopefully receive and set up Raspberry Pi camera module. If it doesn't come, finish writing code to implement it with my current system. If it does, that can get pushed to next week.	
1/30/20	Finalize implementation of Raspberry Pi camera module and fully link it to my current processing system. Be able to take pictures and have them process through my system.	

## Reflection

As can be expected, this week didn't have a lot of concrete progress, because I didn't have the physical facilities to do so. I'm hoping the camera comes in latest by mid-to-late of this week, so I can work on it effectively and get it up to speed by the end of this week, and fully implement it into my system by the end of two weeks from now. I think this is a reasonable goal, judging by the fact that I already know how to program the camera. I will talk to Dr. White more about the progress of how this is panning out in class, but I think everything is on pace and going ok. I will also use time where I don't have the camera this week to think about what comes after camera implementation in the project as a whole.