

902000 - Multi-Spectral StealthCam

Week 51

1. Chad Kecz
 - a. Camera housing is ready for internal wiring

Week 50

1. Chad Kecz
 - a. Camera housing is ready for internal wiring

Week 49

1. Thom Maughan
 - a. I have the PWM boards here at my remote office.

Week 48

1. Francois Cazenave
 - a. I assembled the camera housing, including electronic components

Week 46

1. Chad Kecz
 - a. Beginning wiring of camera housing
 - b. Vicor pcb in shop for population

Week 44

1. Francois Cazenave
 - a. I made drawings and orders component for the main housing

Week 43

1. Francois Cazenave
 - a. I finished the design of the electronics chassis and ordered parts.
2. Chad Kecz
 - a. Helping Francois put together the camera housing

Week 42

1. Francois Cazenave
 - a. I received parts from the machine shop and I am starting assembly

Week 41

1. Francois Cazenave
 - a. Supervising fabrication of parts

Week 40

1. Chad Kecz
 - a. Spec'ing some IR and UV LEDs

Week 39

1. Chad Kecz
 - a. Parts in shop

Week 35

1. Francois Cazenave
 - a. Continued work on the camera housing
2. Thom Maughan
 - a. Attended meeting

Week 34

1. Thom Maughan
 - a. Spent a couple hours working on burning bootloader, debugging whether it's the JTAG connection, emulator, or the board.

Week 33

1. Thom Maughan
 - a. LED Driver board bringup. Step 1: JTAG interface cable to burn bootloader - regretting not pushing to use a connector that is compatible with Atmel-ICE.

Week 31

1. Francois Cazenave
 - a. Designing camera housing

Week 30

1. Francois Cazenave
 - a. Designing camera housing

Week 29

1. Francois Cazenave
 - a. Designing camera housing

Week 28

1. Francois Cazenave
 - a. Supervising fabrication of housing

Week 26

1. Thom Maughan
 - a. Working on wiring JTAG connection to TagConnect to flash bootloader

Week 24

1. Francois Cazenave
 - a. Reviewed state of projects with Chad
2. Thom Maughan
 - a. Picked up Stealthcam boards. Ordered connectors, delivered to MBARI. Requested access to MBARI Thurs for pickup.

Week 23

1. Thom Maughan
 - a. Received boards from Jose. Ordered connectors. Next step is bootloader and board bringup.

Week 19

1. Thom Maughan
 - a. Bridget handed off the code she developed for Feather M0. Testing, reviewing.

Week 18

1. Thom Maughan
 - a. Picked up hardware from MBARI so Bridget Benson can continue working in prep for board bringup. Have not heard status on hardware.

Week 16

1. Chad Kecz
 - a. Prepping the questions Chris S. requested
2. Thom Maughan
 - a. Responded to Chads email. Planning to drop a Feather M0 I bought for St. Helena to Bridget so she can continue.

Week 13

1. Thom Maughan
 - a. Bridget has made some progress on serial command interpreter for setting PWM values for board bringup.

Week 12

1. Thom Maughan
 - a. NTR

Week 11

1. Chad Kecz
 - a. 3 driver pcbs are being populated right now.

Week 10

1. Francois Cazenave
 - a. Working on the design of the camera housing
2. Chad Kecz
 - a. Continuing to gather parts for system integration
 - b. Reviewed initial housing design with Francois

3. Thom Maughan
 - a. pwm board bringup code. Simple protocol definition.
 - b. Sensor node pin assignment

Week 9

1. Francois Cazenave
 - a. I am working on the design of the electronics housing
2. Chad Kecz
 - a. Finalized decision on housing arrangements
 - b. Gathered parts for external wiring.
 - c. Driver pcbs out for fab currently (parts have arrived)
3. Thom Maughan
 - a. pwm board bringup code. Simple protocol definition.
 - b. Added the sensor node firmware task this week. Four serial config'd and tested, only needed 2.

Week 8

1. Francois Cazenave
 - a. I completed the design of the light housing and ordered the parts from the machine shop.
2. Chad Kecz
 - a. Finished a plot check on the driver pcb - moving onto fab now.
3. Thom Maughan
 - a. Hardware is getting close to going out for fab. Will prep a board bringup app and work with Bridget as the hardware is likely coming in while I'm on vacation.

Week 7

1. Thom Maughan
 - a. Working with Bridget Benson on four channel PWM using TCC module - she got it working and verified pin assignments
 - b. Updated the PWM pin assignments on the StealthCam layout (thanks Jose) for atsamd21g18a

Week 6

1. Francois Cazenave
 - a. Working on LED housing.
2. Thom Maughan
 - a. EE is working to finalize the hardware and have the board made soon.
 - b. Project deployment goal was set for mid-May, along with most of my other projects
 - c. Started coding to add a 4th PWM output and hit a number of complexities that exceed the time allotted.
 - d. Discussed with Proj. Mgr about adding a plan B for PWM. Found an i2c 4 channel PWM device in a small package and worked with Jose to assess layout impact - he had it added and the entire board layout complete for review by end of day. Working to ensure compatibility with the LT3476.

Week 5

1. Francois Cazenave
 - a. Working on LED housing
2. Chad Kecz
 - a. Working with Jose and Francois on the 2 pcb layouts for the light module