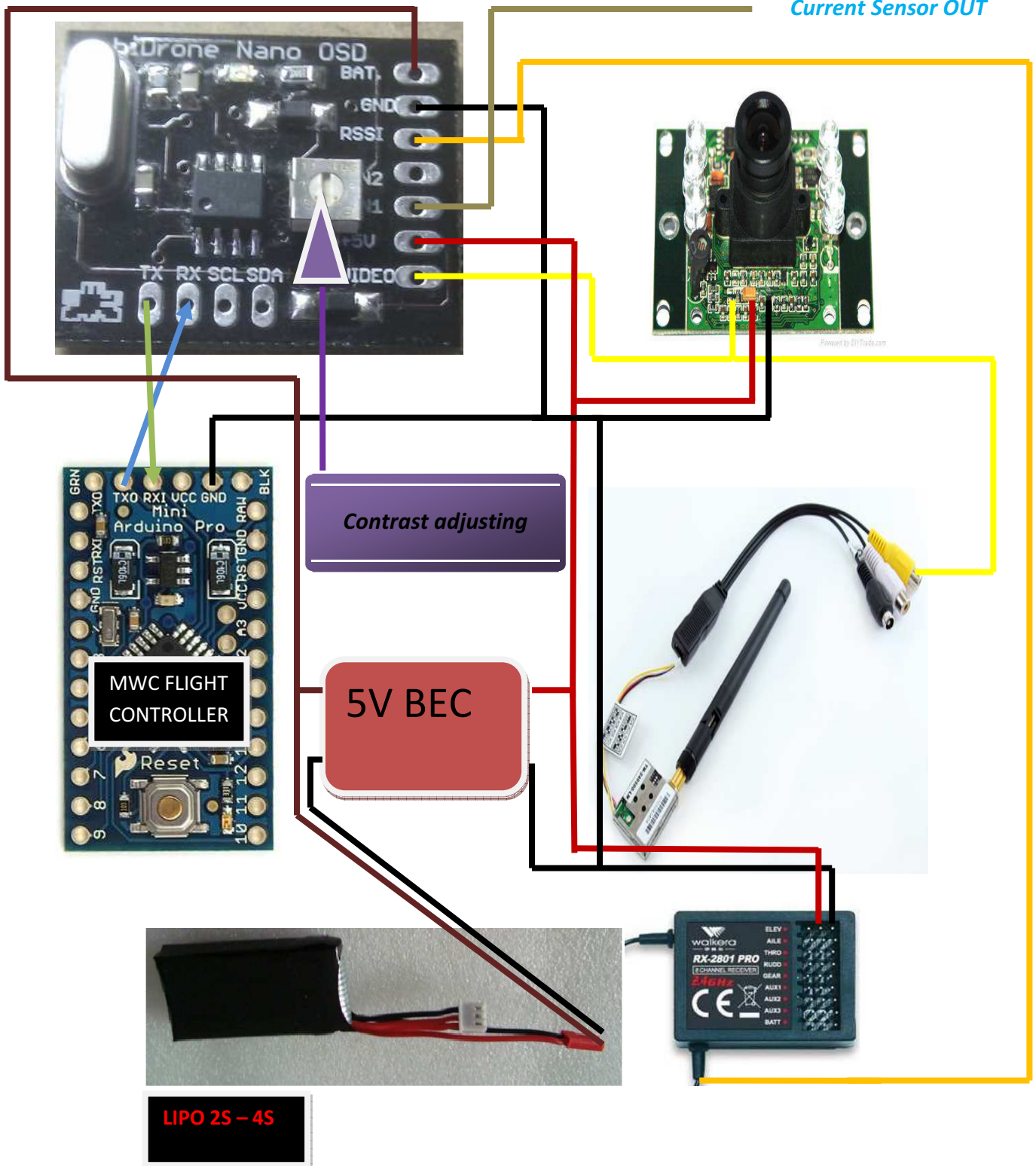


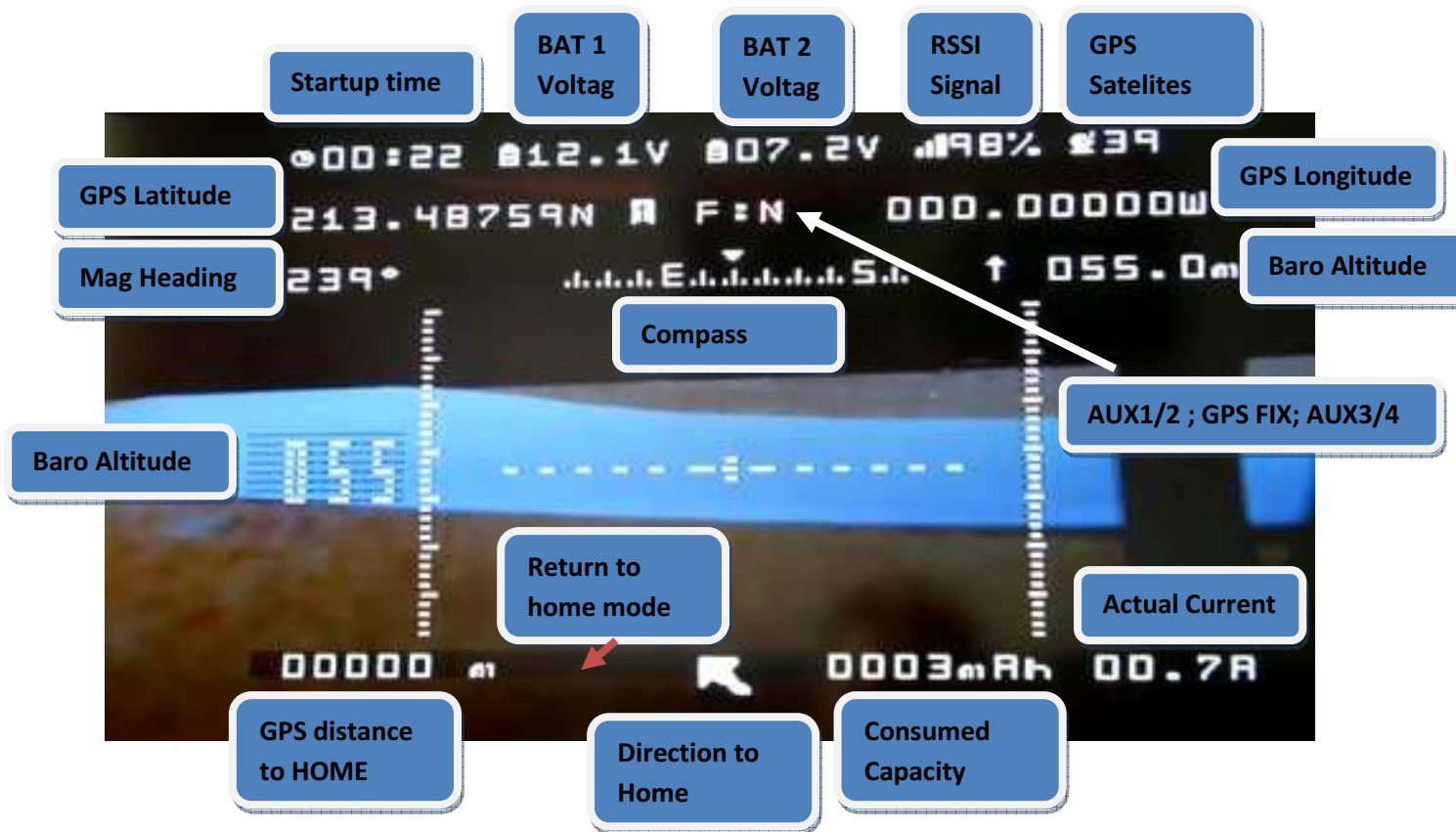
mobiDrone OSD connecting elements

Current Sensor OUT



OSD input voltage: **5V !**

Visible Informations :



Steps to Load new Firmware:

- Run the Arduino 1.0
- Open target firmware (FILE > OPEN)
- Select COM PORT (TOOLS > SERIAL PORT)
- Select device **Arduino Pro or Pro Mini 5V,16Mhz with Atmega328**(TOOLS > BOARD)
- Connect usb serial cable to OSD (GND to GND, RX to TX, TX to RX)
- Press **upload** buton and wait for status "Binary sketch size: XXXX bytes
- **NOW!** connect VCC to OSD and wait to status "Done Loading"
- Your OSD is now ready to use

OSD control via Rc Transmitter:

Control keys:

Roll - FULL RIGHT -> go to Menu

Pitch Full UP/DOWN - > Up/Down in Menu

YAW Full LEFT/RIGHT -> Left/Right in Menu

You can adjust key sensitivity in **INTERNAL PAGE** (RC SENS) - dont remember to save DATA

Save data – hold **PITCH** rubber in **down position**

Menu Pages:

- **Internal Page**

1. *Critical voltage for BAT1*
2. *Critical voltage for BAT2*
3. *RSSI calibration (hold Pitch in down position)*
4. *Temp calibration (not implement)*
5. *RC sensitivity*

- **PID Settings** - For adjusting MultiWii PID data

Page 1:

1. **ROLL**
2. **PITCH**
3. **YAW**
4. **ALT**
5. **VEL**

Page 2:

1. **GPS**
2. **LEVEL**
3. **MAG**
4. **RATE**
5. **EXPO**

- **MODE Settings** - For editing the AUX1/2/3/4 grid to enable/disable features.

Page 1:

1. *LEVEL*
2. *BARO*
3. *MAG*
4. *CAM STAB*
5. *CAM TRIG*

Page 2:

1. *ARM*
2. *GPS HOME*
3. *GPS HOLD*
4. *PASSTHRU*
5. *HEAD FREE*

- **SENSOR Settings** - For view info about sensors & calibrating.

Page 1:

1. *ACC Calibration via OSD*
2. *MAG Calibration via OSD*
3. *GPS Home manual set*

Page 2:

1. *Accelerometer/Nunchuk – PRESENTED(yes/no) ACTIVATED(on/off)*
2. *Barometer – PRESENTED(yes/no) ACTIVATED(on/off)*
3. *Magnetometer – PRESENTED(yes/no) ACTIVATED(on/off)*
4. *GPS – PRESENTED(yes/no) ACTIVATED(on/off)*
5. *I2c errors counter – singalise problems on MultiWii I2c bus*

- **INFO** - For view MultiWii version, RC Commands

1. *MultiWii version*
2. *ROLL - PPM value*
3. *PITCH - PPM value*
4. *YAW – PPM value*
5. *THROTTLE – PPM value*