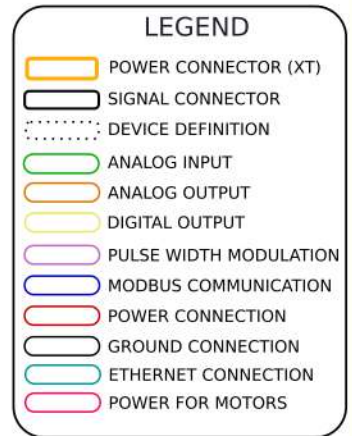
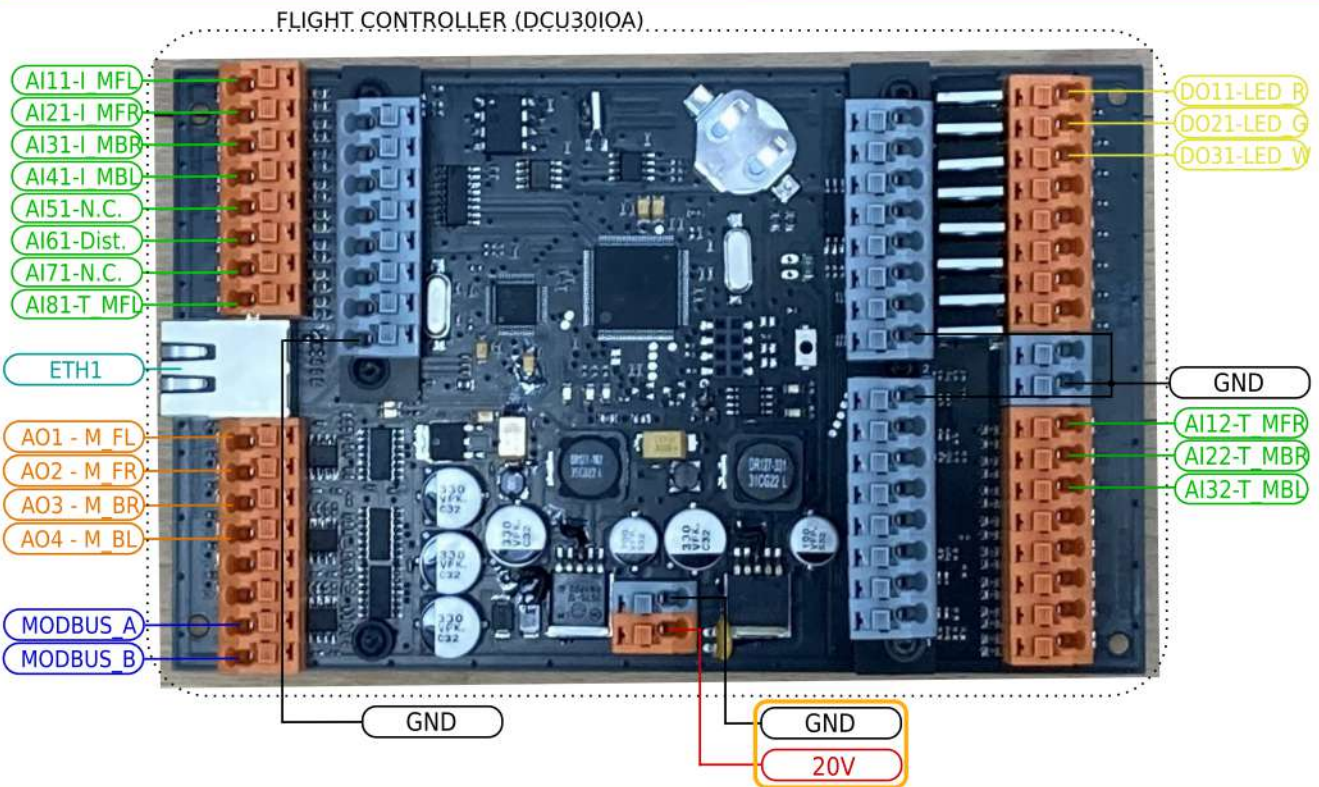


INTRODUCTION

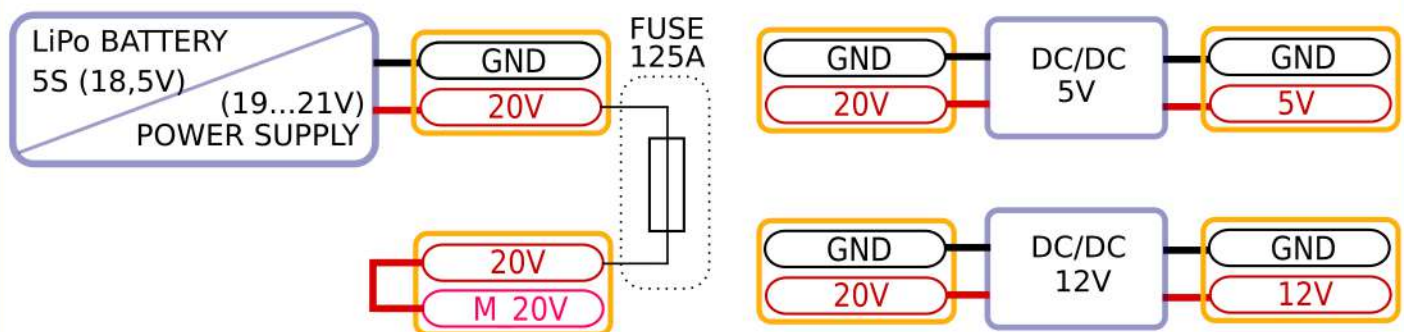
A complete wiring diagram of Drone Technology Laboratory (DRONTECHLAB - DTL) Unmanned Aerial Vehicle (UAV) drone bench is shown in this document. The flight controller DCU30IOA pinout with labels of all standard peripherals is presented in section II. The DTL UAV drone bench power supply and all standard peripherals wiring is shown in section III. A wiring of Electronic Speed Controllers (ESCs), Brushless Direct Current (BLDC) motors with one current sensor included is shown in section IV. Inclination sensor/gyroscope and wireless access point wiring is in section V. All other devices marked (*) can be optionally installed, as well as many other unmentioned sensors and/or actuators from different manufactures, but they are not included in the DTL QUAD LITE version of our UAV drone bench.



FLIGHT CONTROLLER DIAGRAM

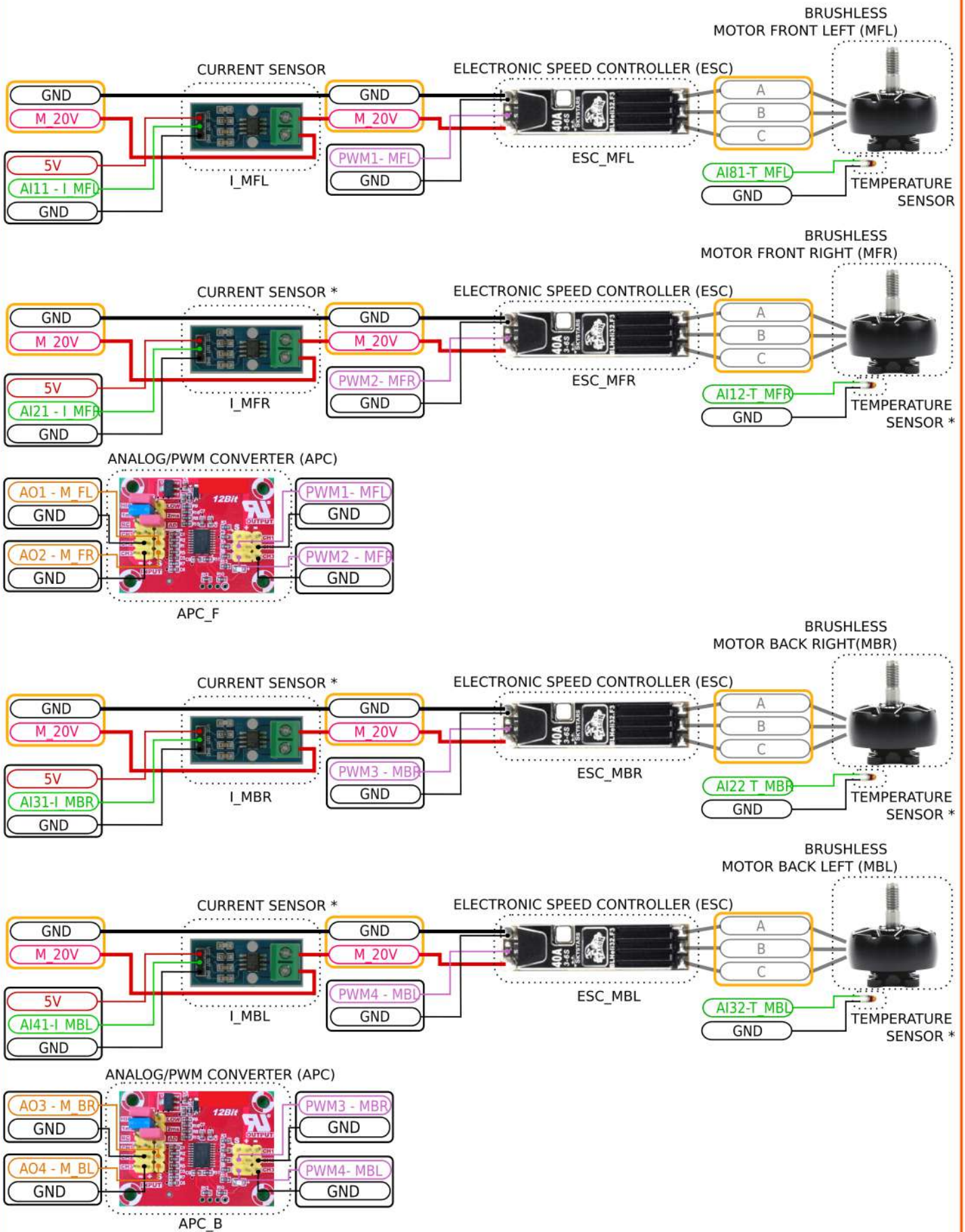


POWER DIAGRAM



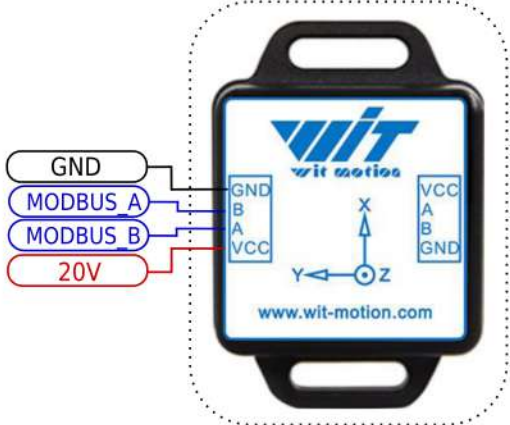
IV

MOTORS DIAGRAM

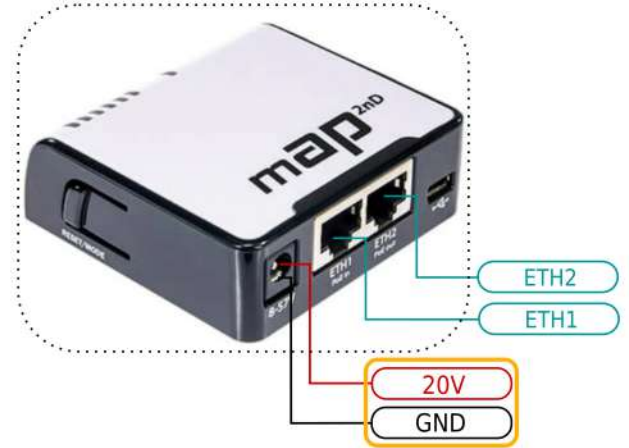


V **SENSORS AND COMMUNICATION**

INERTIAL MEASUREMENT UNIT (IMU) SENSOR

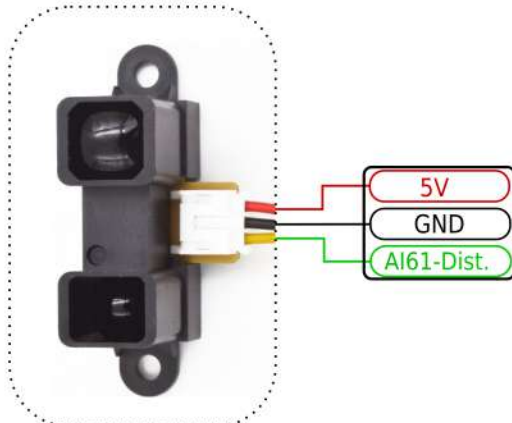


WIFI SWITCH (ACCESS POINT)

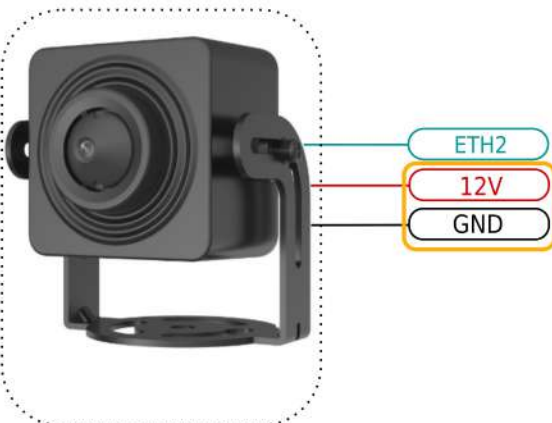


VI **ADDITIONAL ACCESSORY DIAGRAM**

DISTANCE SENSOR *



IP CAMERA *



LED LIGHTS *

