Open Source Robotics Research Platform based on DJI RoboMaster S1
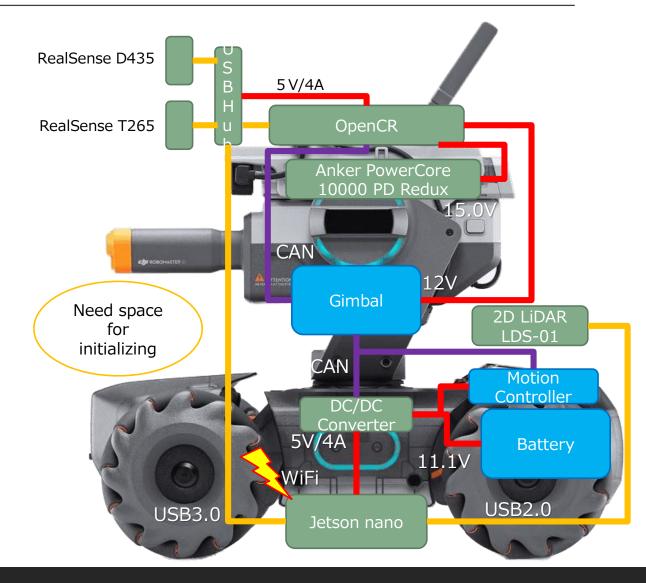
- Additional Battery :
  - Anker PowerCore 10000 PD Redux
  - USB PD to DC cable from Aliexpress

- DC/DC Converter Board
  - Using OKL-T/6-W12N-C
  - Connected to Gimbal only CAN and GND

- Weight
  - Now Calculating
  - Need balance adjusting

OEM Parts

Additional Parts

RealSense D435

RealSense T265

USB Hub

5 V/4A

OpenCR

Anker PowerCore 10000 PD Redux

15.0V

CAN

12V

Gimbal

2D LiDAR LDS-01

Need space for initializing

CAN

DC/DC Converter

Motion Controller

Battery

5V/4A

11.1V

WiFi

USB3.0

Jetson nano

USB2.0