Onboard computer

Onboard SDK

:::ROS

:::ROS

$\Phi, \dot{\Phi}$

Model Predictive Control $\quad u_\phi, u_\theta$

Yaw, Height PID controllers $\quad u_{\psi}, u_{\dot{z}}$

$\Phi, \dot{\Phi}$

u

DJI Aircraft

M600 Pro

Flight controller

RFID
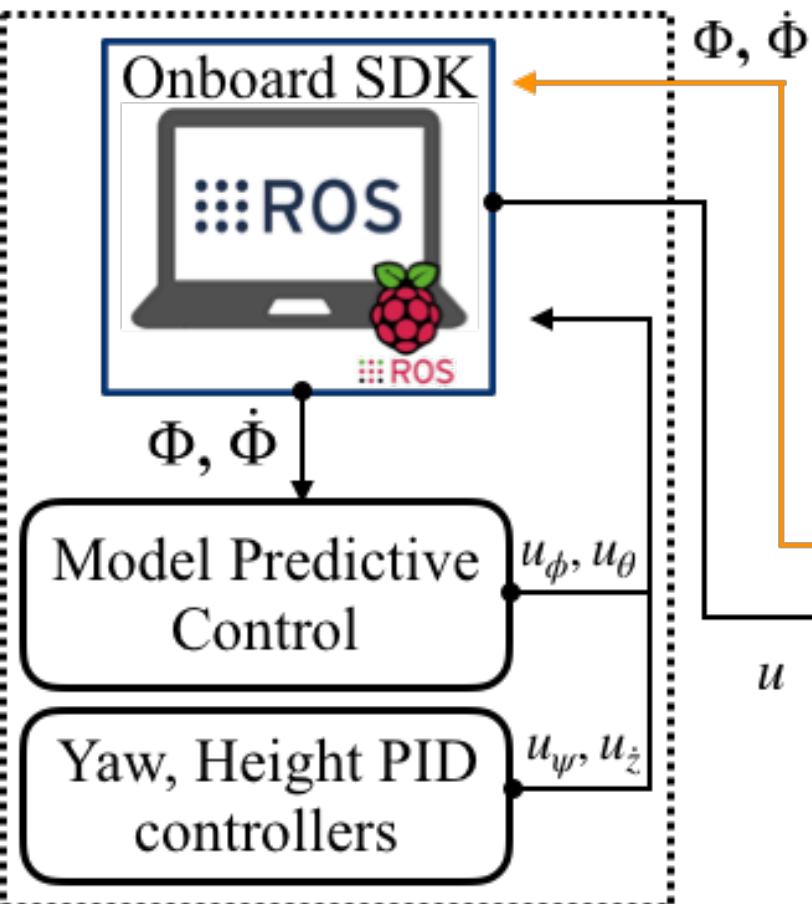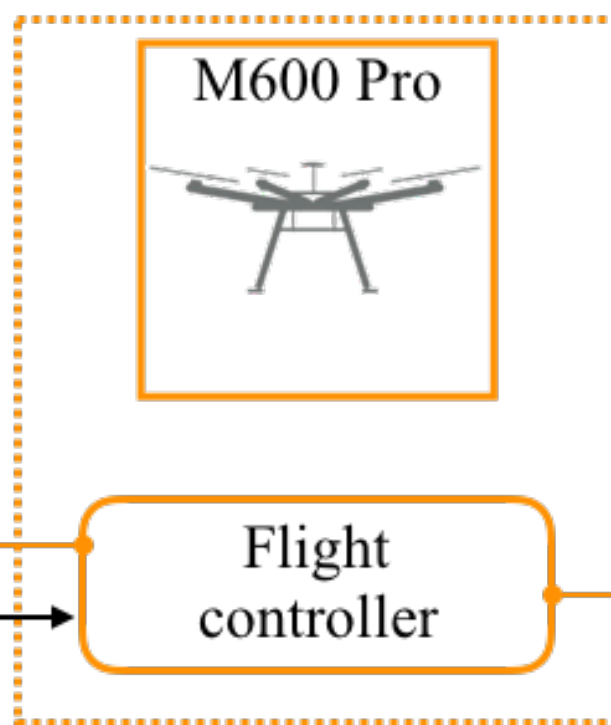
Video stream, GPS, Telemetry, Sensor data

Control commands

Remote Controller

Light bridge