

Controller

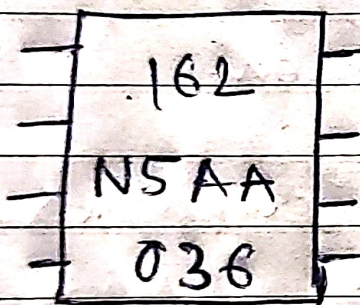
"Yash"

flight controller self controlled
remote controlled

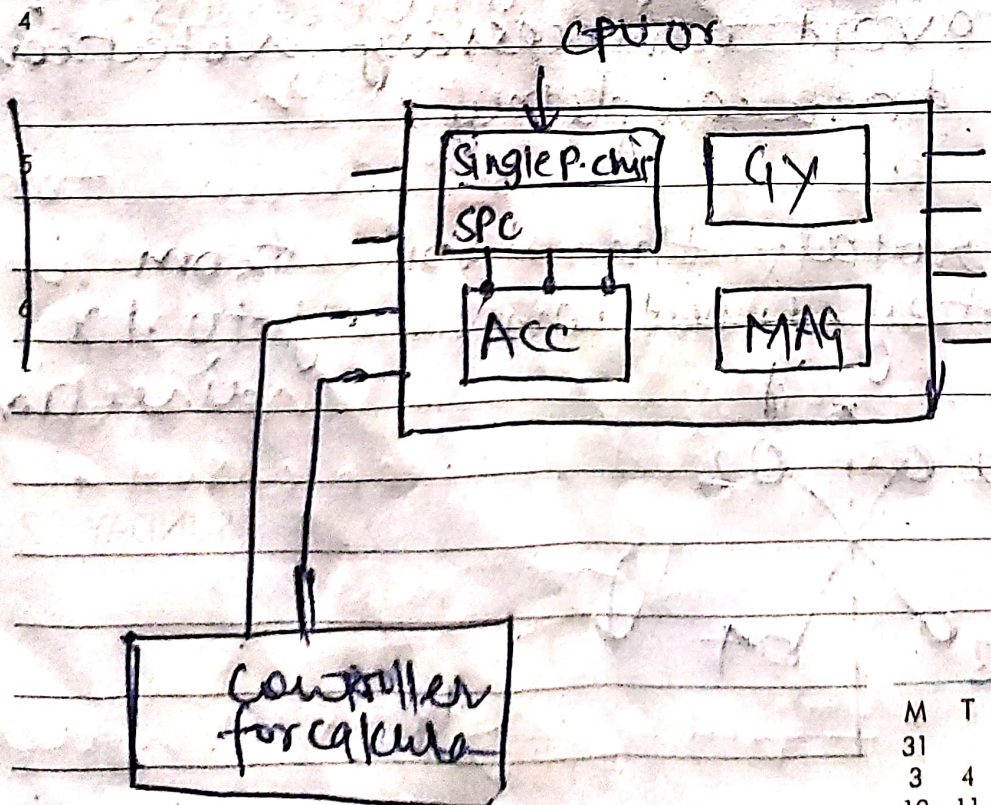
Drone sensors?

IMU sensors \Rightarrow

Initial measurement units



- ① Accelerometer
- ② Gyroscope
- ③ Magnetometers



JULY 2023

M	T	W	T	F	S	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY

2023

TUESDAY

WEEK 27 • 185-180

04

- we need 3-axis accelerometers
- Gyroscope (rotation measure in different planes)
- Barometers

↓
used to determine the drones altitude

IMU + GPS ⇒ sensor fusion

+ Radar

Kalman filter

~~Do not~~

DJI use dual IMUs ~~for~~ and use the vibration damping to reduce air noise causing error in measurement.

Radio frequency ⇒ 1-2 km

AUGUST 2023

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13