

TIPS: If you don't adapt to ICM20689 highly sensitive gyroscope, we offer you more convenient MPU6000 gyroscope board to DIY.

ICM20689 gyroscope board
 Size: 15*10mm
 Weight: 0.6g
 GYRO: ICM20689
 Max frequency: 32K
 Installs Way: FPC Connector& 3M Absorbing Sponge

MPU6000 gyroscope board
 Size: 15*10mm
 Weight: 0.6g
 GYRO: MPU6000
 Max frequency: 8K
 Installs Way: FPC Connector& 3M Absorbing Sponge



WEBSITE



FACEBOOK



INSTAGRAM

TECHNICAL PARAMETER

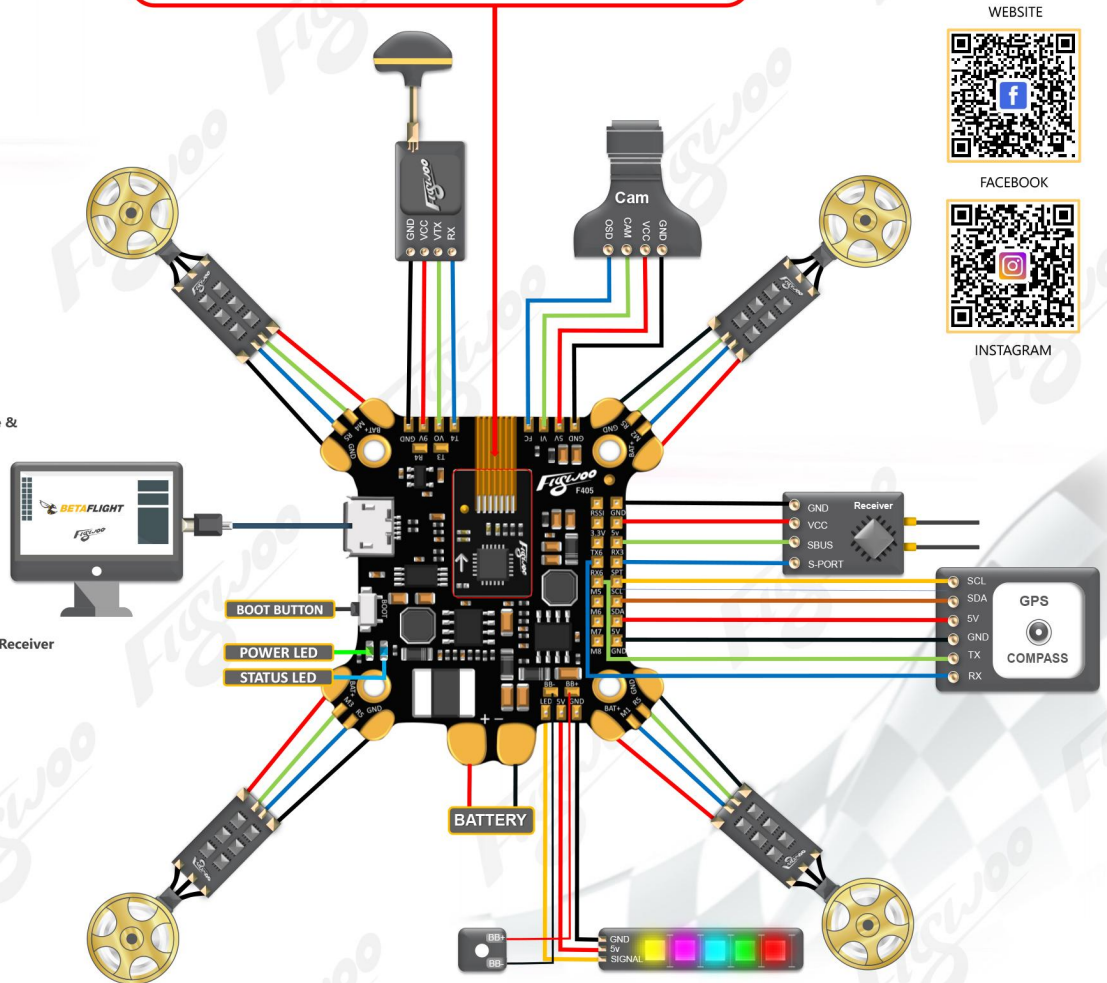
- SIZE: 44.7*47.8mm
- Hole: 30.5*30.5-3mm
- Weight: 11.4g
- MCU: STM32F405RGTH
- GYRO: ICM20689 or MPU6000
- BARO: BMP280
- FLASH: 16M
- BEC: 5V 2A/9V 2A
- Input Voltage: 3-8S
- Max Current: 4*50A
- PCB: 6 layer-4oz
- Firmware: FLYWOOD405

PRODUCT FEATURES

- ❶ dual shock absorption device(3M Sponge & Absorbing Screws)
- ❶ 32KHZ ultrahigh frequency gyroscope
- ❶ Support Camera Menu Settings
- ❶ 5V&9V BEC output
- ❶ Max voltage 50V input
- ❶ 5 Functional UARTS (UART1,3,4,5,6)
- ❶ Max 8 motor output
- ❶ Build In Current Sensor
- ❶ Build In ESC Pads
- ❶ Support SBUS, iBus, Spektrum, Crossfire Receiver

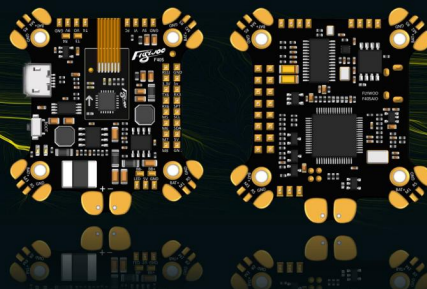
ACCESSORIES

- FLYWOOD F405AIO FC*1
- FPC Connector*1
- 3M Absorbing Sponge *1
- Rubycon 35v 470uf Capacitor *1
- Absorbing Screws *4



FLYWOOD F405AIO FLIGHT CONTROLLER

FLYWOOD F405AIO flight controller uses STM32F405 high performance processor and ICM20689 32KHZ ultrahigh frequency gyroscope with built-in OSD, FLASH 5V and 9V BEC. The image in large current flight is very clear and steady due to well-designed hardware and high performance components. With special dual shock absorption device, FLYWOOD F405AIO can adapt to any frame or installation method, and it makes flight steady with 32KHZ. What's more, all UARTS are open to users so that you can extend its function. We hope FLYWOOD F405AIO will bring you satisfying experience with humanized design and simple installation.



Define	Functional Description
BAT+	Battery Voltage(3-8S)
GND	Ground
3.3V	3.3V output-300ma
5V	5V output-2A
9V	9V output-2A
SPT	SmartPort-UART1
T3,RX3	UART3 TX and RX for Receiver
T4,R4	UART4 TX and RX for VTX-OSD
TX6,RX6	UART6 TX and RX for GPS/Bluetooth/etc..
R5	UART5 RX for ESC Telemetry
RSSI	Analog RSSI input
SCL,SDA	I2C Device for Compass/Baro/etc..
BB+	Buzzer 5v output
BB-	Buzzer Signal output
LED	LED Signal output
VI	Video input for Camera
VO	Video output to VTX
FC	OSD menu Settings for Camera
M1-M8	Motor Signal output