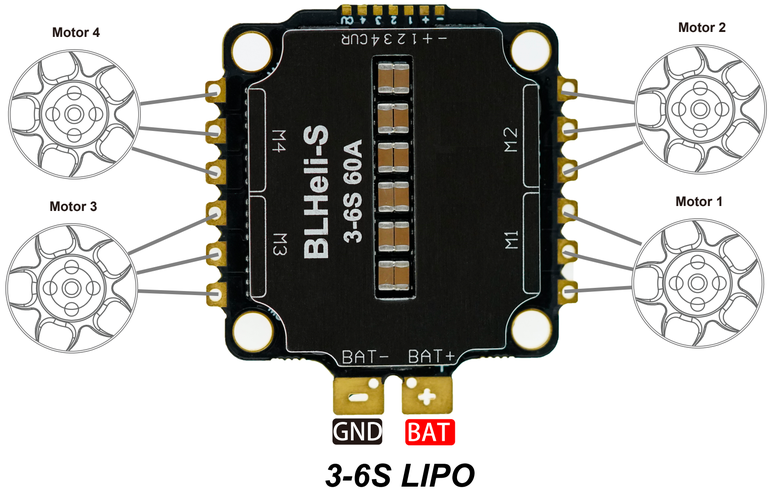
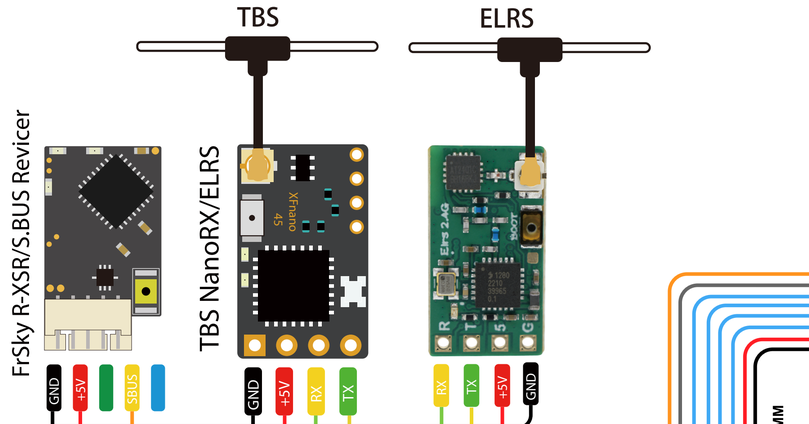
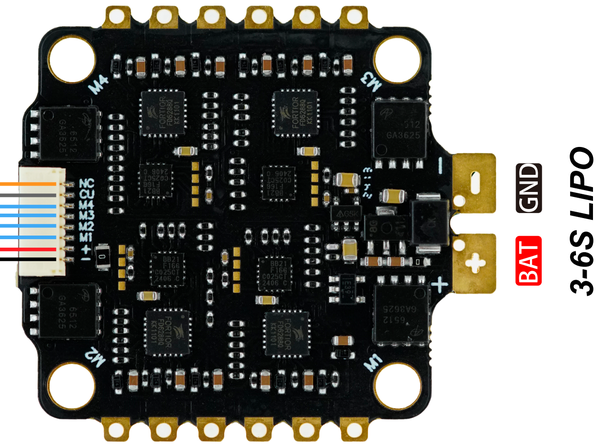


3-6S LIPO

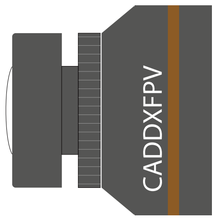
Note; this is the TOP of the ESC



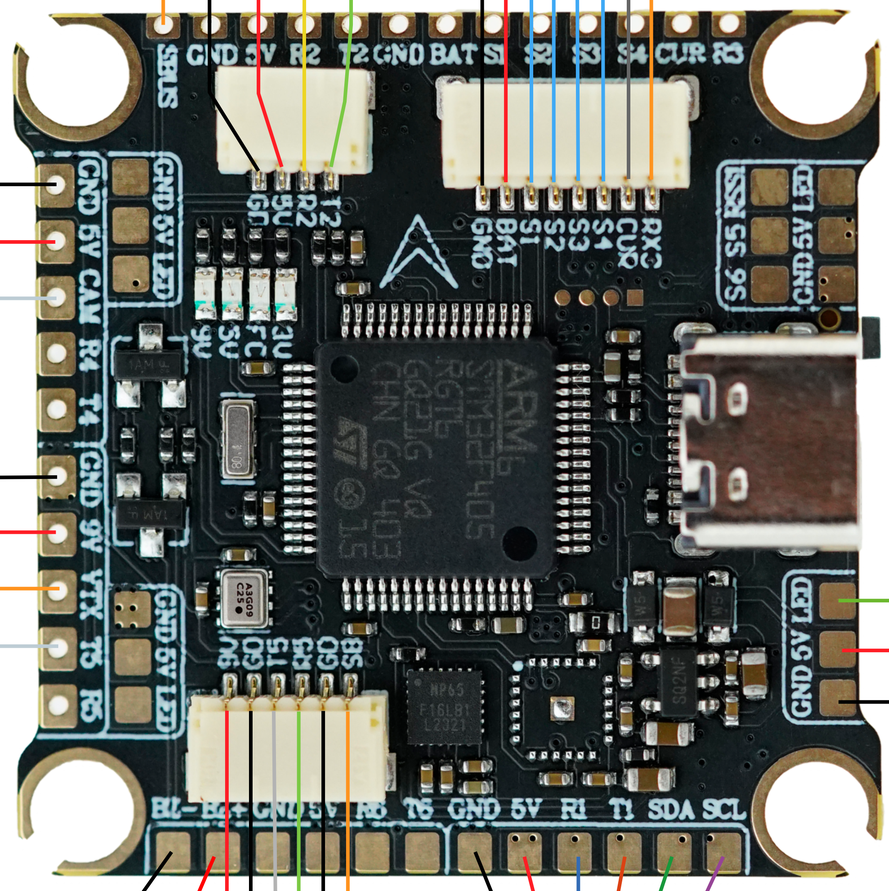


1.0-8P Cable L=55MM

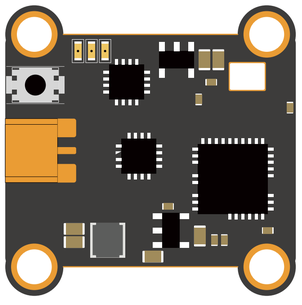
CAM-1



GND
+5V
CAM

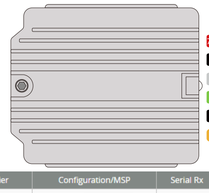


5.8G VTX



GND
BAT
VTX
TX

DJI AIR Unit /Visto/O3



7.4-17.6V → 9V
GND → GND
TX → R5
RX → T5
GND → GND
S.BUS → S.BUS

Identifier	Configuration/MSP	Serial Rx	Telemetry Output
USB VCP	115200		Disabled AUTO
UART1	115200		Disabled AUTO
UART2	115200		Disabled AUTO
UART3	115200		Disabled AUTO
UART4	115200		Disabled AUTO
UART5	115200		Disabled AUTO
UART6	115200		Disabled AUTO

Receiver

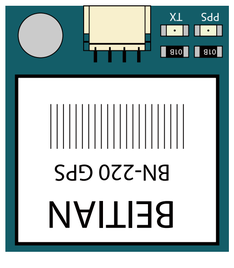
Serial (via UART) — Receiver Mode

- The UART for the receiver must be set to 'Serial Rx' (in the *Ports* tab)
- Select the correct data format from the drop-down, below:

SBUS — Serial Receiver Provider

Buzzer

GND +5V TX RX SDA SCL



Beitian BN-220

GND +5V LED

ESC:

1. Firmware : BLHELI_S (C_H_25)
2. PC Configruator link: esc-configurator.com
3. Continuous Current: 60A*4
4. Burst Current: 65A(5S)
5. TVS Protective diode: YES(30V TVS)
6. External Capacitor : 1000uF Low ESR Capacitor
7. ESC Protocol : DSHOT 300/600
8. Power Input: 3-6S LIPO
9. Power Output: VBAT
10. Current Sensor: Support(Scale=386 Offset=0)
11. Mounting: 30.5*30.5(4mm hole diameter)
12. Dimension: 40(W)*45(L)*7(H)mm
13. Weight: 14.0 g

FC:

1. MCU:STM32F405RGT6,168MHz,1MB Flash
2. Gyro-1 MP6500 (SPI1) CW=90
3. Blackbox： SPI FLASH 16M
4. OSD:AT7456E (SPI2)
5. Baro：SPL06-001(SPI2)
6. Support Betaflight ； **Target: DAKEFPV F405**
7. Dual BEC:5V 2.5A(Max 3A)&9V 2.5A(Max 3A)
8. Voltage sensor (Scale 110)
9. 4x LEDs for 5V,3.3V,9V,FC Work
10. SH1.0-6pin,DJI/Vista/O3 socket
11. SH1.0-8pin,ESC socket
12. SH1.0-4pin,ELRS Revicer (USART2)
13. 6xUarts(1,2,3,4,5,6)&1x I2C
14. Onboard 30V TVS
15. Weight: 7.6g
16. PC Configner link：github.com/betaflight

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	GPS 57600	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	ESC AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	Disabled AUTO	VTX (IRC Tran AUTO
UART6	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO