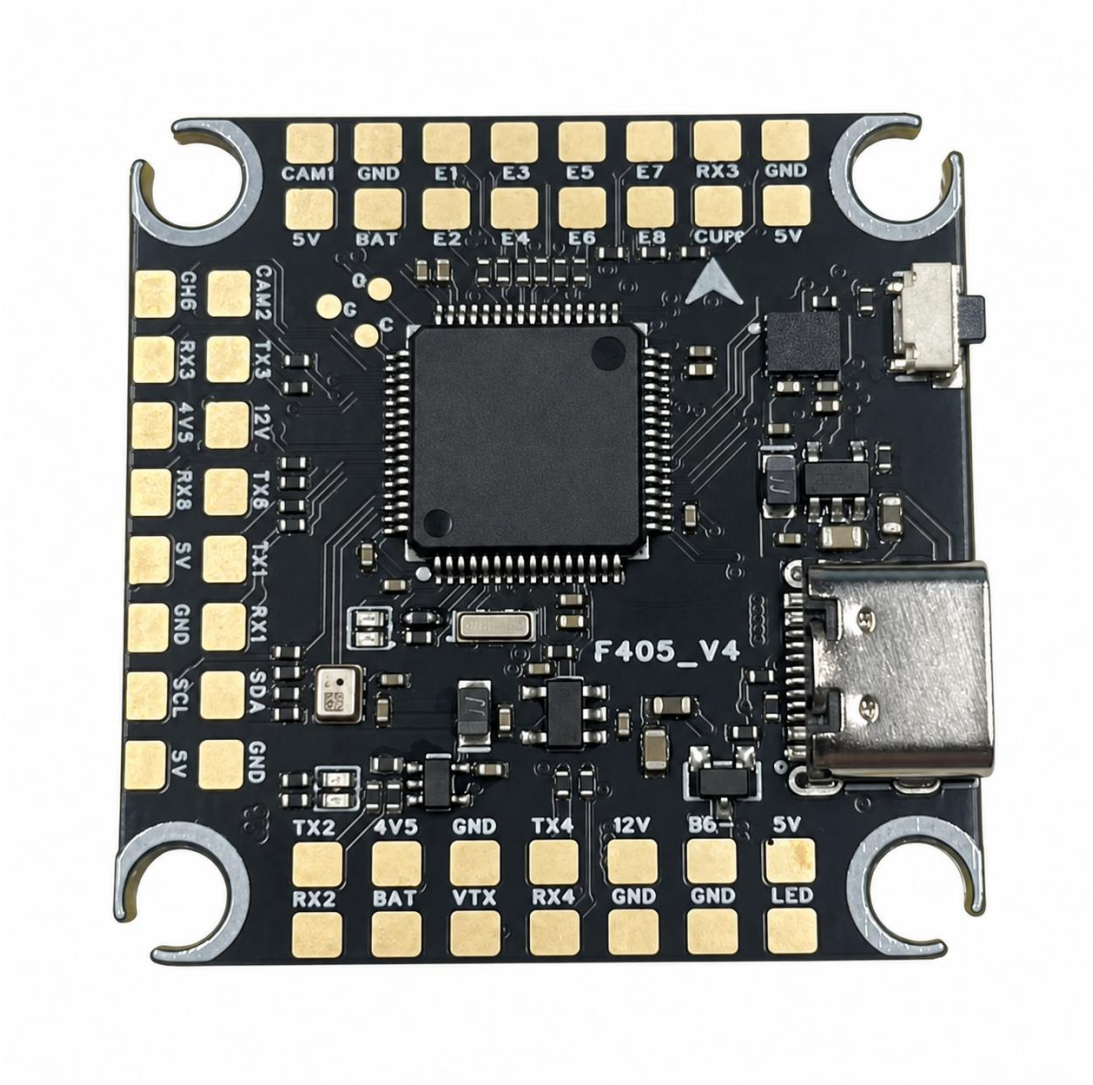
JFF405_V4 Flight Controller

User Manual V1.0



Specifications

Operating voltage: DC 50.4V(3-12S)

BEC1: 5V/4A

BEC2: 12V/4A

UART ports: 5

Motor output channels: 8

Blackbox:16M

Controller: STM32 F405

Frequency: 168MHz

Gyroscope: 42688

OSD chip: AT7456E

Supported receivers: CRSF/SBUS/IBUS/DSM

Buzzer pads: Supported

Current telemetry pads: Supported

DJI O3/O4 air unit interface: Supported

Surge protection: Supported

Flight controller firmware: Betaflight

Product Description

A 6-layer PCB provides strong resistance to interference.

Industrial-grade BEC provides stable output.

Sockets or solder pads may be selected for different applications.

A 12V supply is provided for an external LED strip, with switching via a configurable remote-control channel.

Two BEC outputs: 5V 4A and 12V 4A.

Video transmitter power: selectable 12V/BAT.

Package Contents

JFF405_V4 flight controller ×1,M3 vibration dampers ×4,8P cable ×1,box ×1

Product Dimensions

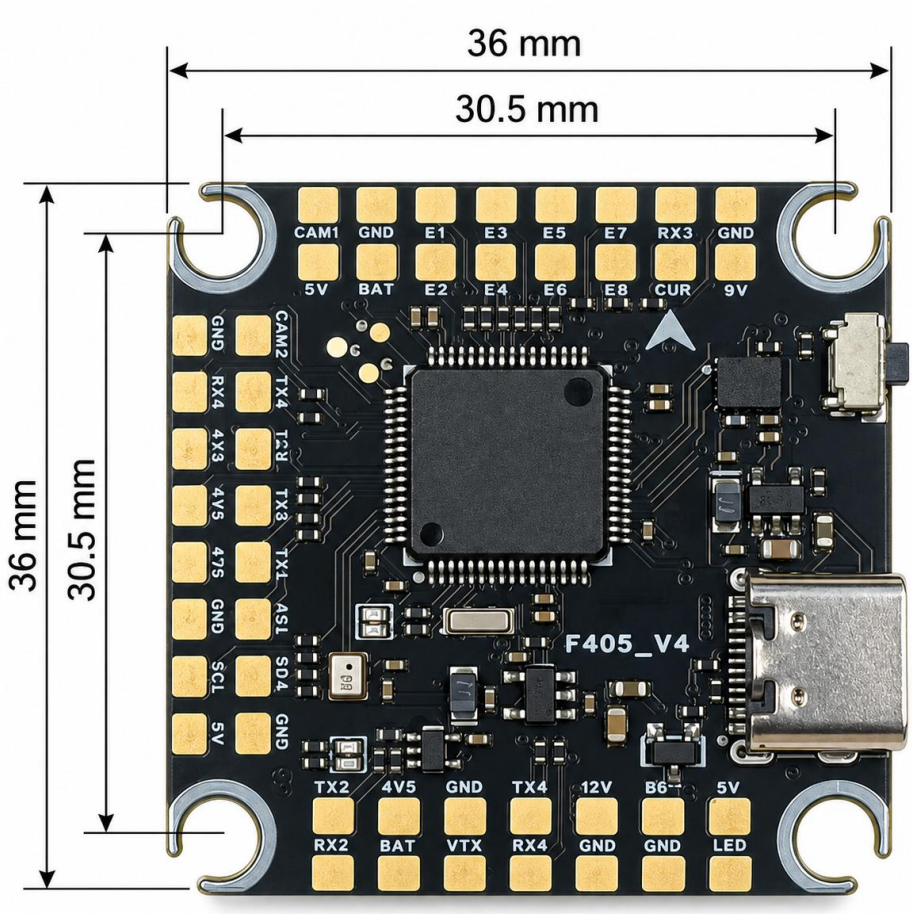
Weight (g): 10.2

Product dimensions: 36*36mm

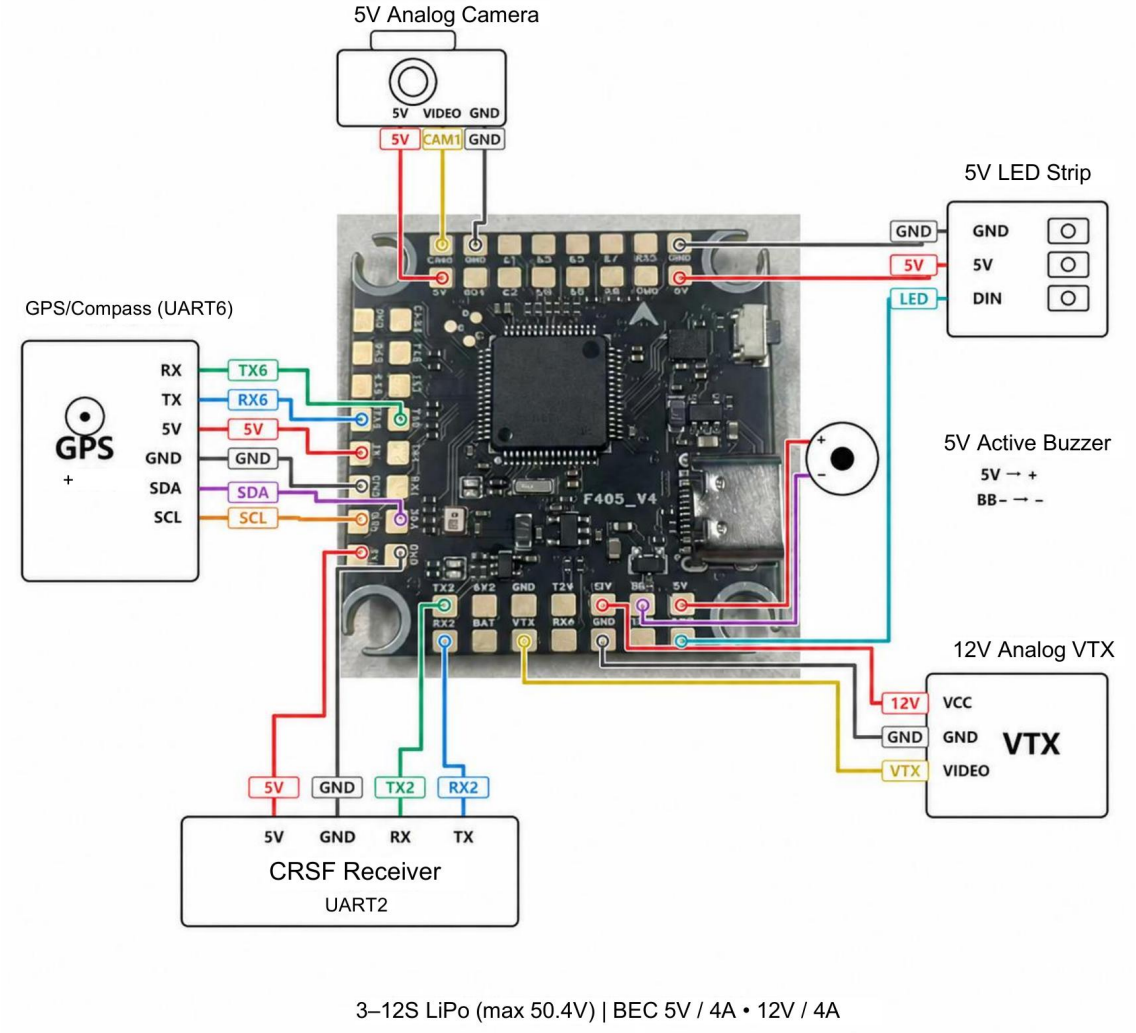
Mounting pattern: 30.5*30.5mm

Applications

Suitable for drones, RC cars, RC boats and other models. Compatibility depends on the product model and specifications.



JFF405_V4 Flight Controller | Wiring Diagram



3–12S LiPo (max 50.4V) | BEC 5V / 4A • 12V / 4A