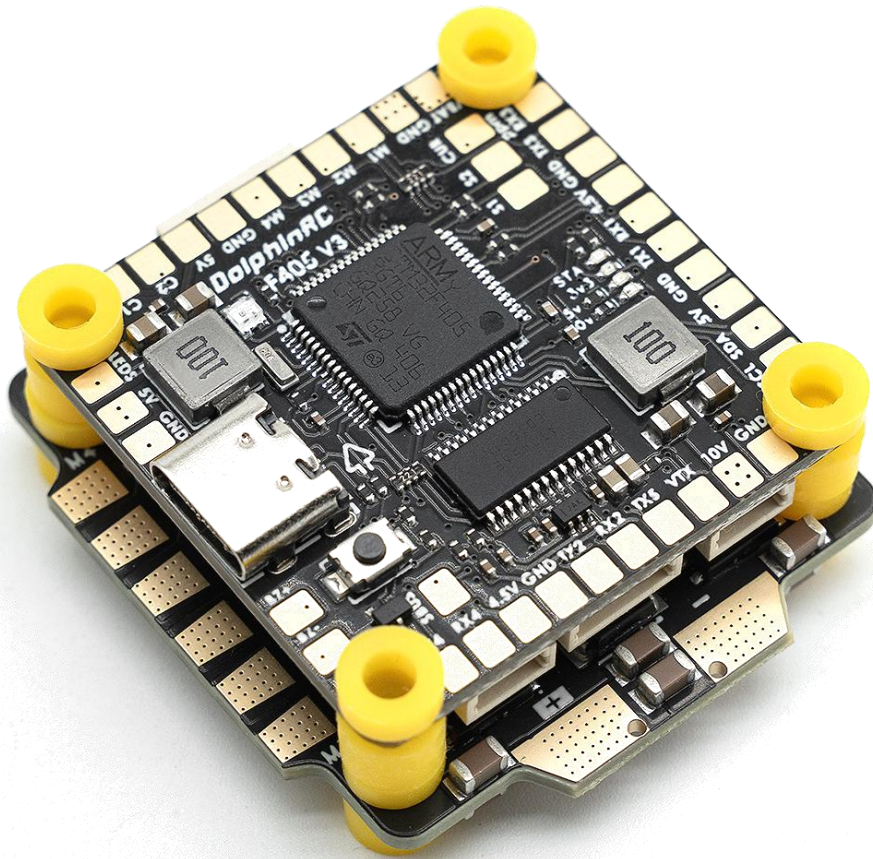




F405 V3 FPV Stack

User Manual

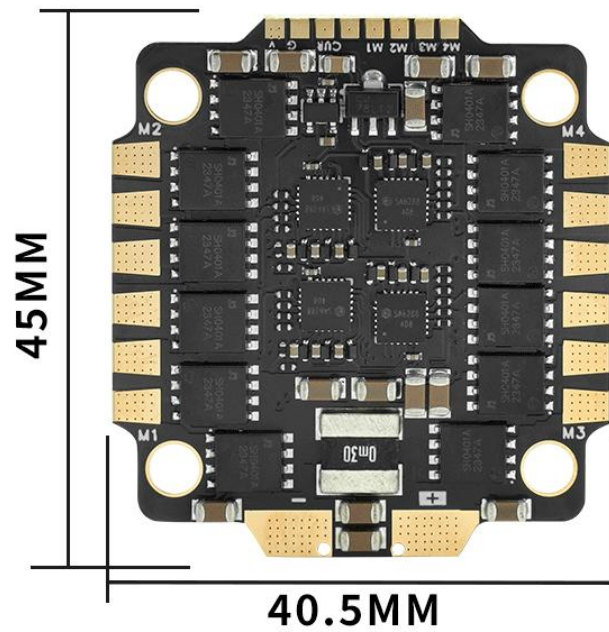
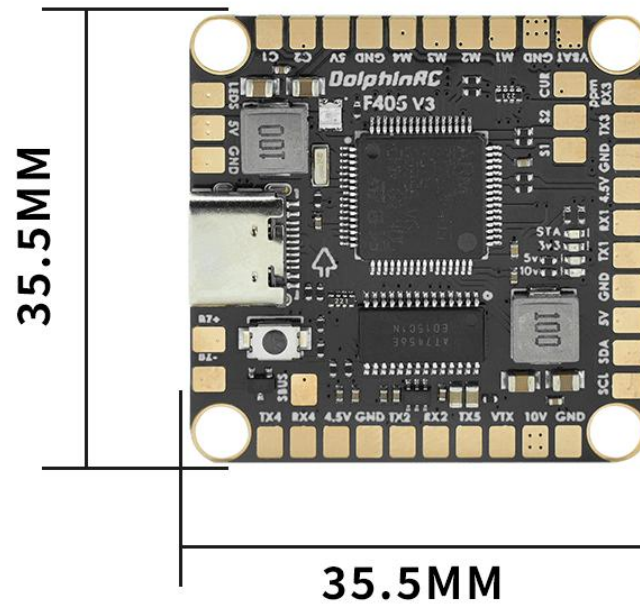


V1.0

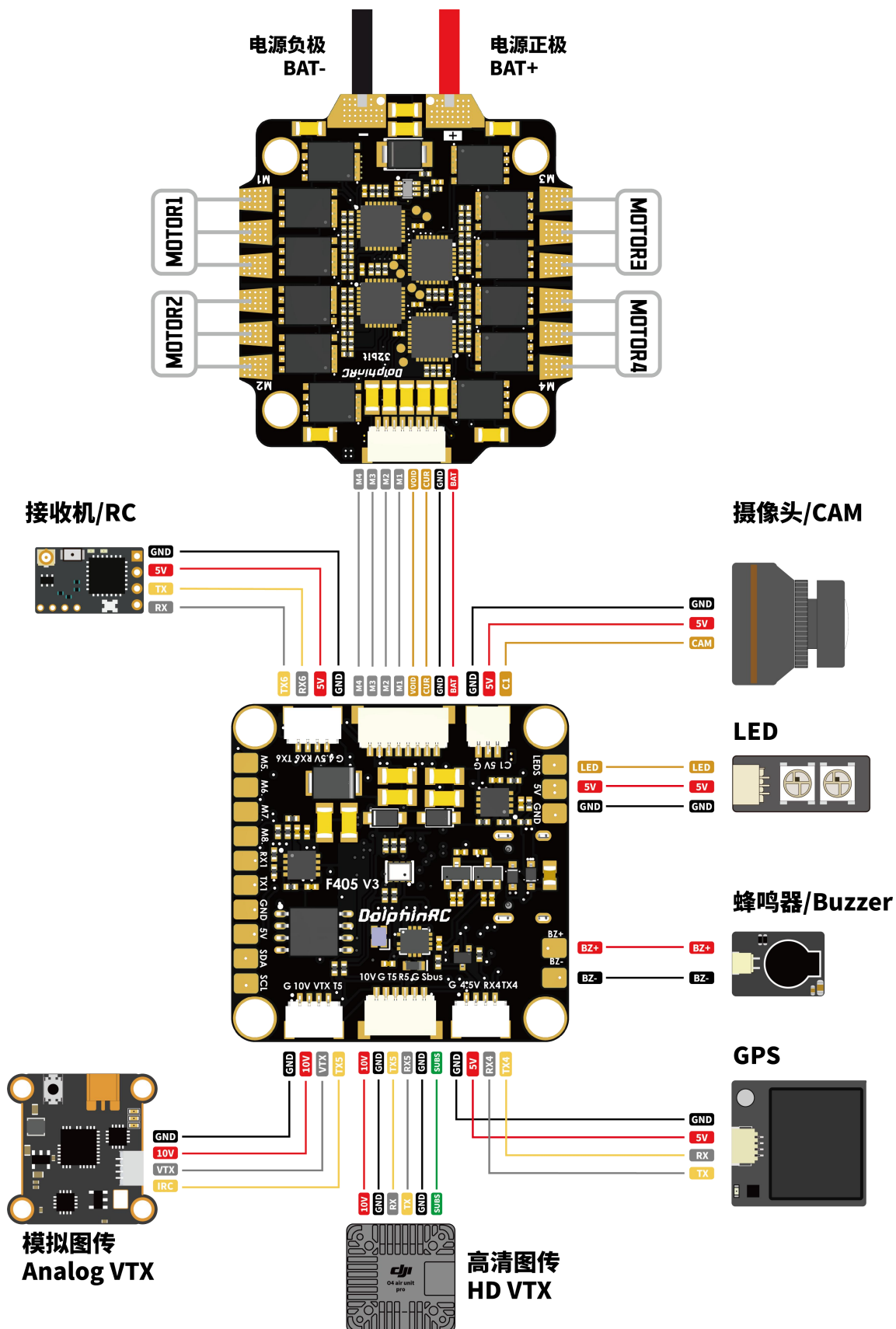
1. Specifications

Flight Control Specs		
Product Name	DolphinRC F405 V3	
MCU	STM32F405	
IMU	ICM-42688-P	
Barometer	SPL06-001	
USB Interface	Type-C	
Black Box	16M	
UART	6	
ESC Signal Interface	8	
BEC	3.3V/0.5A, 5V3A, 12V2.5A	
Analog Camera	Support dual switching	
Input voltage	6-30V (2-6S Lipo)	
Product size	36*36*8mm	
Hole	30.5*30.5mm/Φ 4mm	
Weight	7.7±0.1g (excluding accessories)	
ESC Specs		
Product Name	DolphinRC 50A ESC	DolphinRC 60A ESC
MCU	AT32F421	
Firmware	32-bit	
Target	MATEKF405TE	
Max. Continuous Current	50A	60A
Max. Burst Current	55A (5S)	65A (5S)
Input voltage	6-30V (2-6S Lipo)	
Product size	45*41*6mm	
Hole	30.5*30.5mm/Φ 4mm	
Weight	13.2±0.1g (excluding accessories)	

2. Product size



3、Wiring Instructions



4、Camera switching and VTX on/off switch

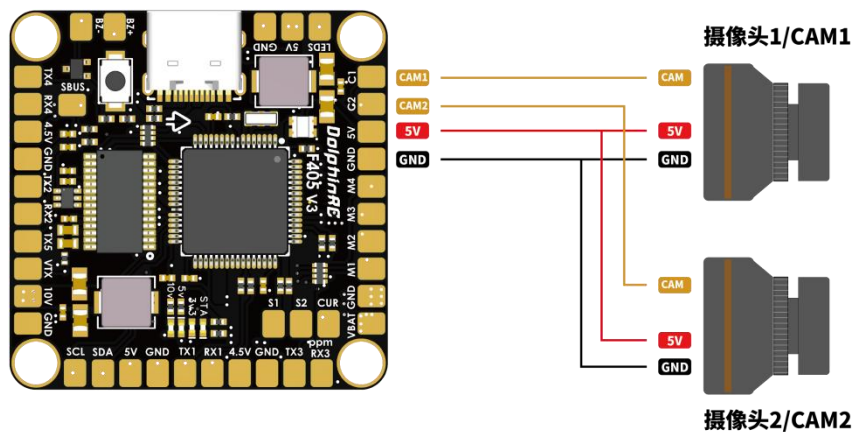
Camera switching function settings

If two cameras are used, you can set the user1 switch in **[Mode]**. When it is not in the triggered state, the camera 1 screen will be displayed, and when it is in the triggered state, the camera 2 screen will be displayed.

Mode settings:



Wiring method:



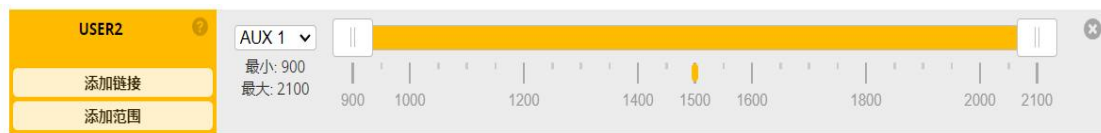
VTX on/off switch setting

If you need to use the VTX on/off switch function, you can set the user2 switch in **[Mode]**. If it is not in the triggered state, the VTX will not be powered on and will not enter the working state. If it is in the triggered state, the VTX will be powered on and enter the working state. If you do not need to use this function, set the channel trigger threshold to the maximum.

Use the VTX on/off switch mode setting:



No need to use the VTX on/off switch mode setting:



5、Contact Details

Official Website: <https://dolphinrc.com/>

Official China Taobao store:

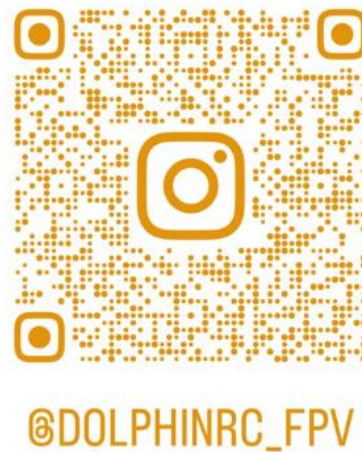
https://shop220846899.taobao.com/?spm=a21n57.shop_search.0.0.3a4a3b35Bv61i2

AliExpress:

https://www.aliexpress.com/store/1102377215?spm=a2g0o.store_pc_allItems_or_groupList.pcShopHead_2003923376054.0



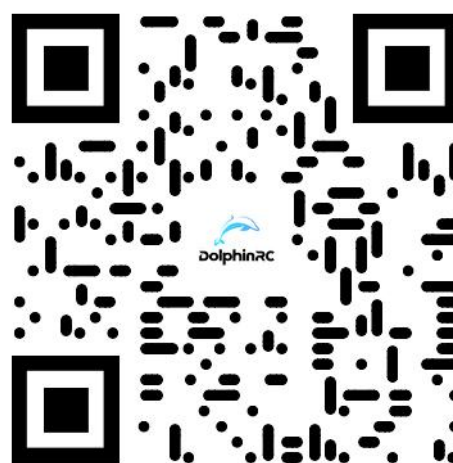
DolphinRC Facebook



DolphinRC Instagram



DolphinRC YouTube Channel



DolphinRC Website