

FullSpeed TinyPusher Brushless CineWhoop User Manual



Specification:

Brand Name: FullSpeed

Item Name: TinyPusher

Weight: 40g (without battery)

Flight controller: FSD412 (F411 2-4S FC) 5V 2A BEC built-in OSD

ESC: FSD412 (2-4S ESC) BLHELI_S 4in1 ESC Dshot600

Motor: 1103 8000KV with connector

Propeller: Gemfan 1635 3-blades props, 1.5mm hole

Camera: Caddx EOS2 camera

VTX: Nano400 VTX Pit/25/100/200/400 switchable VTX(support IRC Tramp)

Flight Stack Pins Assignment:

FullSpeed FSD412 Stack

FC Specifications

MCU: 100MHz STM32F411CEU6
 IMU: MPU6000
 Baro: NO
 OSD: BF OSD
 Blackbox: NO
 UartS: 2set
 LED Control: BF LED control
 Smartaudio: YES
 RSSI: YES
 Buzz: YES

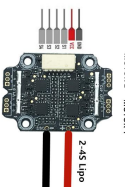
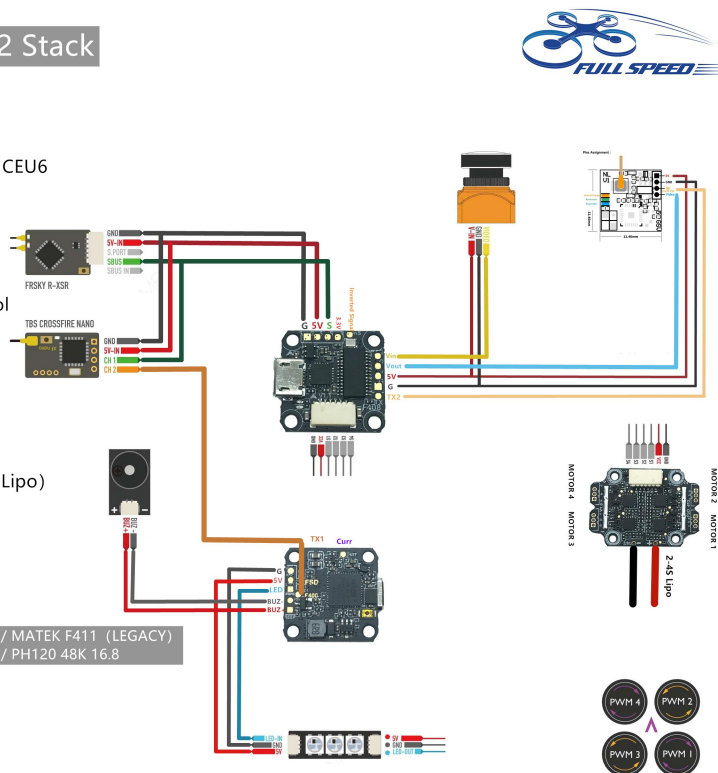
PBD Specifications

Input: 2-4S Lipo (2-4S HV Lipo)
 BEC: 5V 2A
 ESC Soft: Dshot300/600
 BURST CURRENT: 16A (10S)

FC FIRMWARE TARGET: Betaflight / MATEK F411 (LEGACY)
 ESC FIRMWARE TARGET: BLHELI_S / PH120 48K 16.8

Physical

Mounting: 16X16mm,φ2
 Dimensions: 20X25X5.5mm
 Weight: 5g



VTX manual:



3D Printed mount file for Insta360 GO & GoPro Hero6/7 Lite:
<https://www.thingiverse.com/thing:4561129>