

The new generation of ZMO with New open sourcing flight controller-Y3

ZMO PRO

Vtol FPV Aircraft

More than your imagination

Core Strengths

- One-Click Take-off & Landing
- One-Click Return To Home
- 110kph/ 69mph Max Speed
- Industrial calibration-free IMU
- The core module adopts shielding design to resist electromagnetic interference.



Core Strengths

- Vertical Take off and Landing
 - A perfect solution to the spatial limitations of fixed wing.
 - Quick assemble & disassemble module structure, 3 minutes ready to fly
 - 60 Minutes Flight Time with battery 4S 5100mAh
 - Professional Ardupilot 4.3 customized firmware
- Support MissionPlanner and QGC ground station software

Core Strengths

- Compatible with a variety of digital image transmissions and dual analog image transmissions: Mavlink, DJI VTX, Walksnail etc.
- Support more extension devices:
 - Support MAX 14-Channel PWM + 1-channel IO module outputs
 - Support TF Storage card
 - Support camera curious auto-tracking
 - Support 4 Serial Ports, 2 I2C Ports, and 2 ADC Ports.
 - Compatible with CRSF/SBUS protocol receiver

Core Strengths

- Airspeed meter and GPS integrated design with patent
- Integrated high precision differential pressure airspeed meter (measuring range $>60\text{m/s}$), and GPS
- QMC5883L Compatible with CRSF/SBUS protocol receiver
- Support Acro manual mode, you can fly aerobatics manually

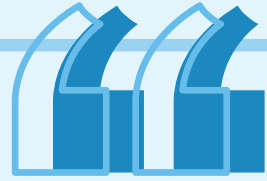
OMPHOBBY ZMO PRO

VTOL FPV AIRCRAFT

New and upgraded
professional flight
controller

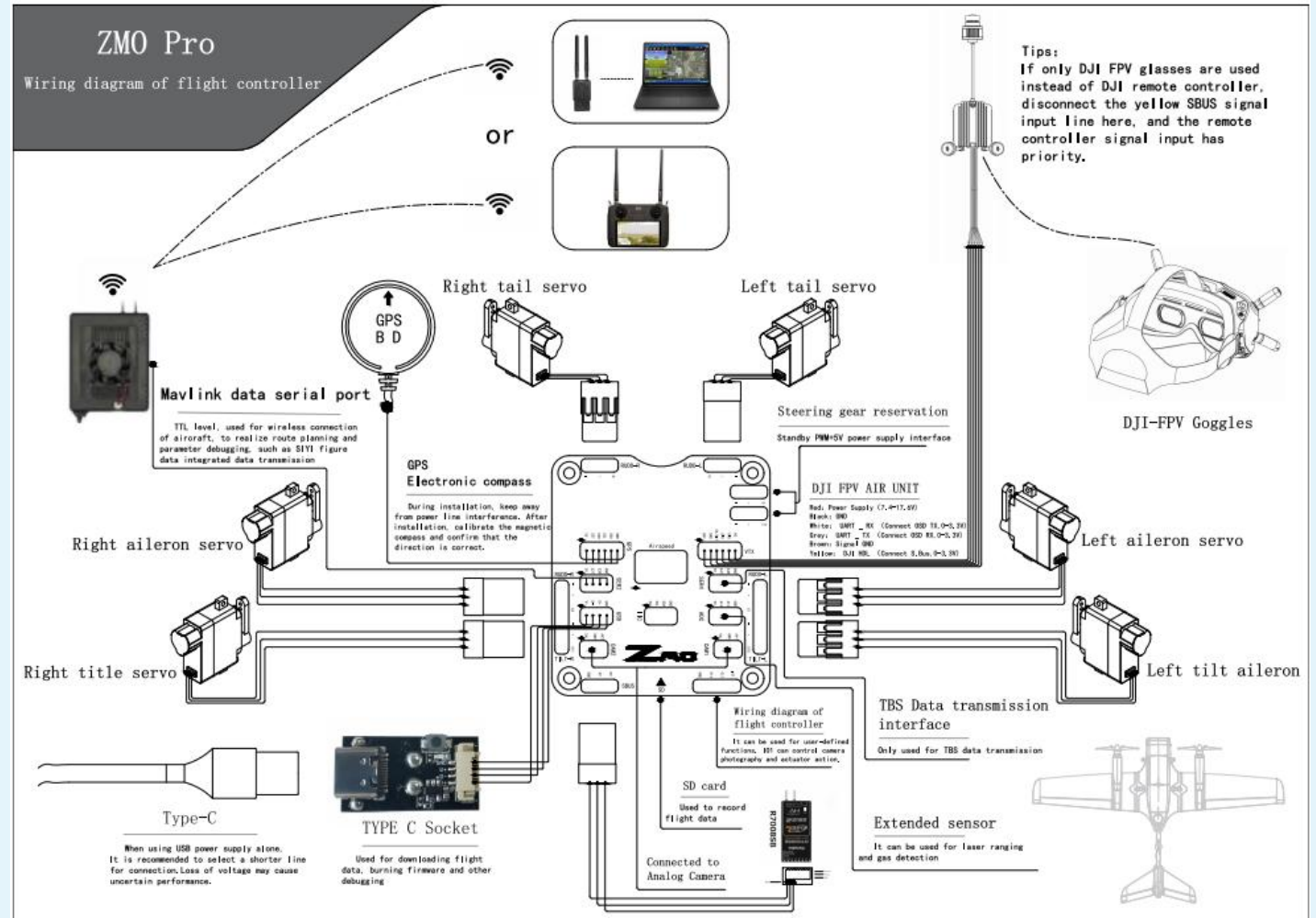
The ZMO Pro is a fixed wing aircraft with a three-axis tilting structure which is efficient and easy to operate.

- It provides a perfect solution to the spatial limitations of fixed wing and the demand of operational skills.
- It supports a variety of flight modes:
No Matter drone flight or fixed wing flight.
One-click Return To Home and landing
One-click take-off and landing
Route planning flight



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Flight Controller Wiring Diagram



Parameter of ZMO Pro

Category	Specification	Category	Specification
Model Name	ZMO PRO	Type	FPV
Wingspan	1200mm/47inch	Body length	788mm/31inch
Height	168mm	Flight controller	ZMO pro Y3
Take-off weight	Appro.1400g	Payload weight	Appro.400g
Flight time	Max 60 mins	Flight Speed	Max 110km
Flight Range	60km+	Economical Cruising Speed	45km/h
GPS Position Accuracy	2-3m	Body Material	25 times Industrial EPP
One click take-off & Landing	Yes	One click Return to home	Yes
Route planning	Yes	Airspeed	Yes
OSD	Yes		

Parameter of Power System


Category	Specification	Category	Specification
VTOL-Motor Left/Right	R2310	Tail motor	R2310
Propellers set	8*6R;8*6L; 8*3.8	ESC	30A
Battery	5100mAh 4S HV	System	ZMO pro Y3

Parameter of Flight Controller


Category	Quantity	Ports	Quantity	Ports	Quantity
UART	4	I2C	2	ADC	2
PWM output	14	RC	1	GPS	1
RSSI	1	SWD	1	USB	1
TF Storage card	1				

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New benchmark for entertainment drones




Same as first ZMO, When you wear the goggles, it ' s like sitting the in the cockpit of a the ZMO. Enjoy a huge 150 degree viewing angle with 120fps real-time transmission. Experience an engrossing viewing experience that places you in the center of a fast-paced, FPV world in the sky.




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Immersive Flight Control

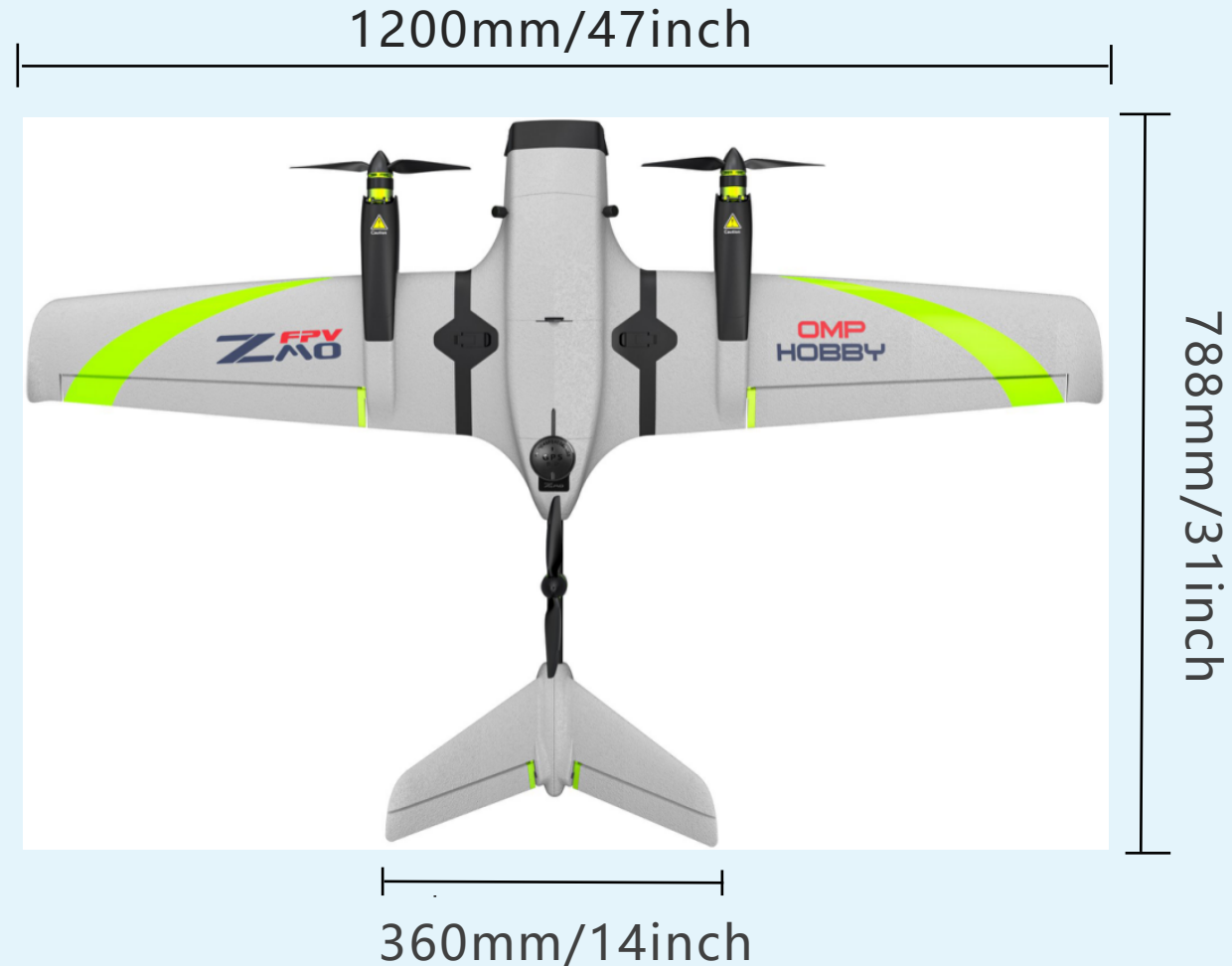


Based on the powerful Ardupilot for secondary development of flight control, with industrial avionics system integration. The ZMO Pro can achieve full automatic flight, intelligent risk avoidance between drone and fixed wing switch, multiple flight protection mechanism. More flexible, rest assured to fly.



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VTOL FPV AIRCRAFT
ZMO Pro Dimension



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VTOL FPV AIRCRAFT

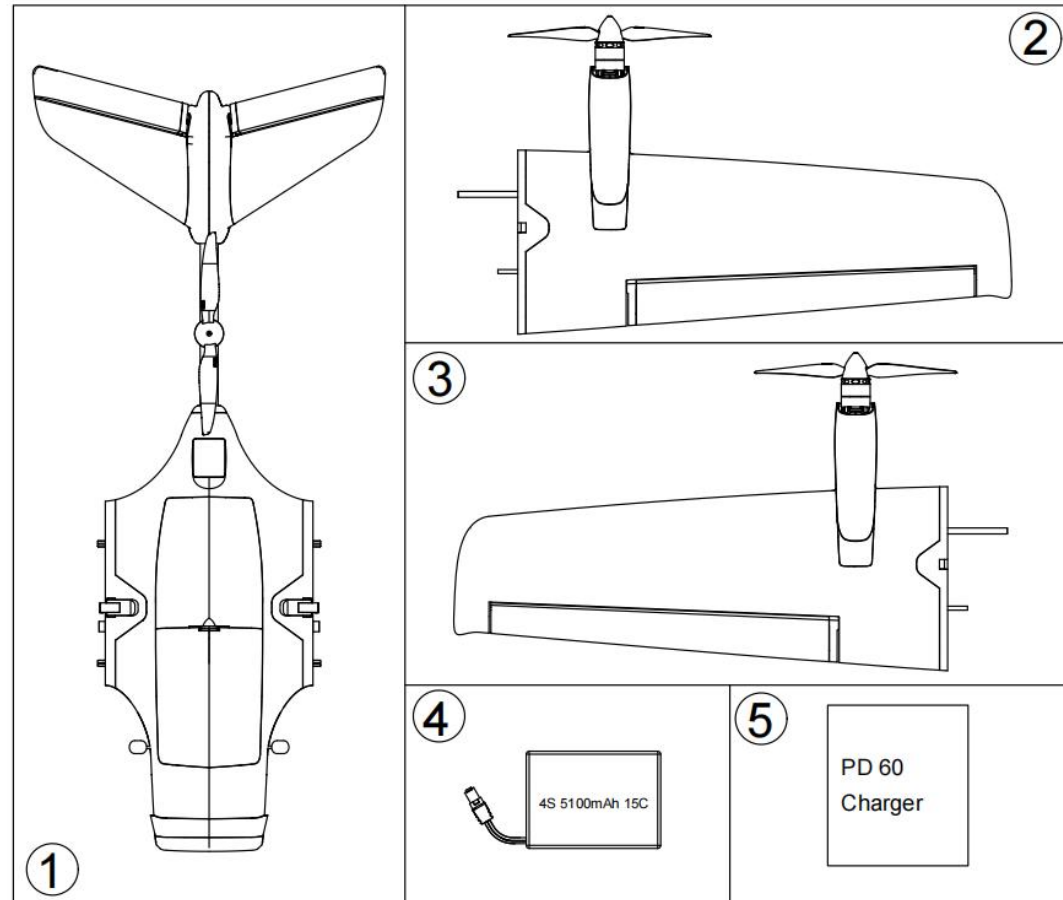
Packing List

- ① Fuselage
- ② Right wing
- ③ Left wing
- ④ Lipo battery HV (4S 5100mAh 15C)
- ⑤ PD60 Charger (ZMO Pro Excluded)

⚠ Only for the Version Air Unit excluded

Packing list 装箱清单

ZMO



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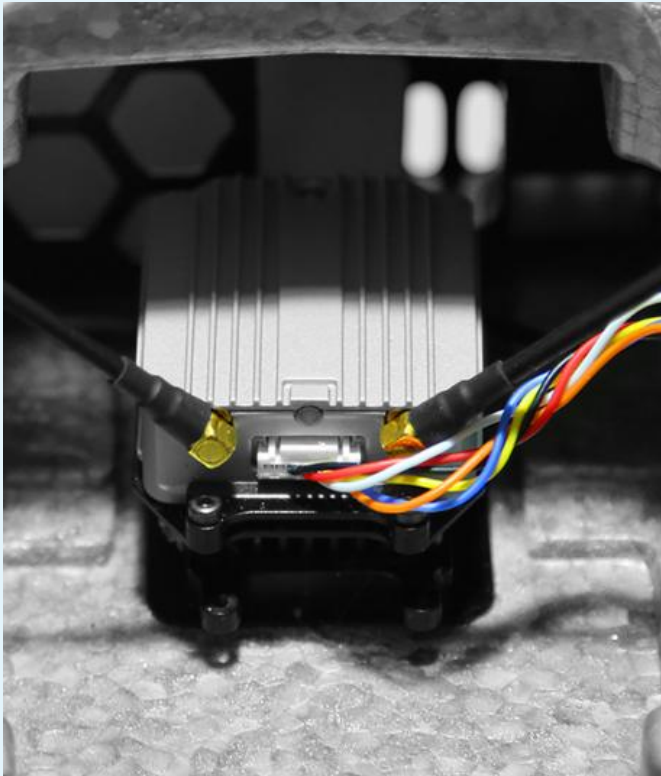
Product Details

The Precision designs and engineering were created with the pilots in mind



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Product Details



- DJI FPV CADDX Air Unit
- Walksnail Air Unit
- Siyi Air Unit
- Ps. Only BNF including Air unit version is included

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- Product Details
 - ◆ 3.85V Per Cell
 - ◆ High Voltage Lipo battery
 - ◆ 4S 5100Mah HV

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- Product Details
All Metal Servo with A Gear
Titling Structure

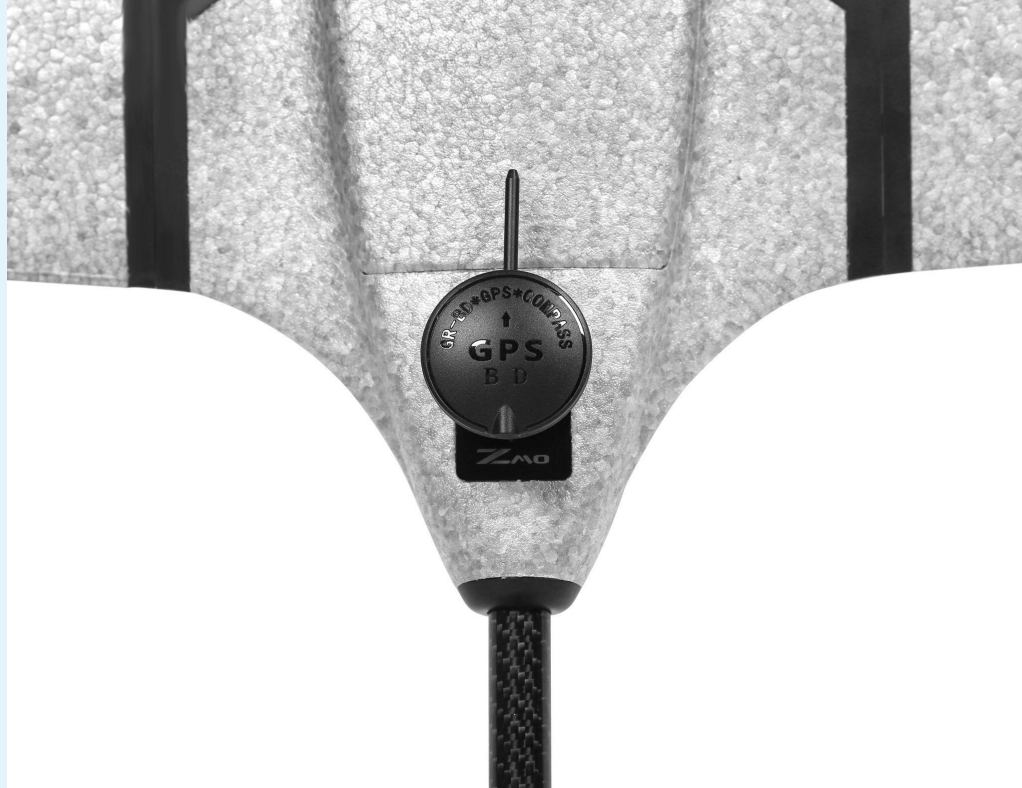
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Product Details

- Quick Released Wings



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- Product Details
GPS Location & Airspeed

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- Product Details
V-Shaped Tail Design

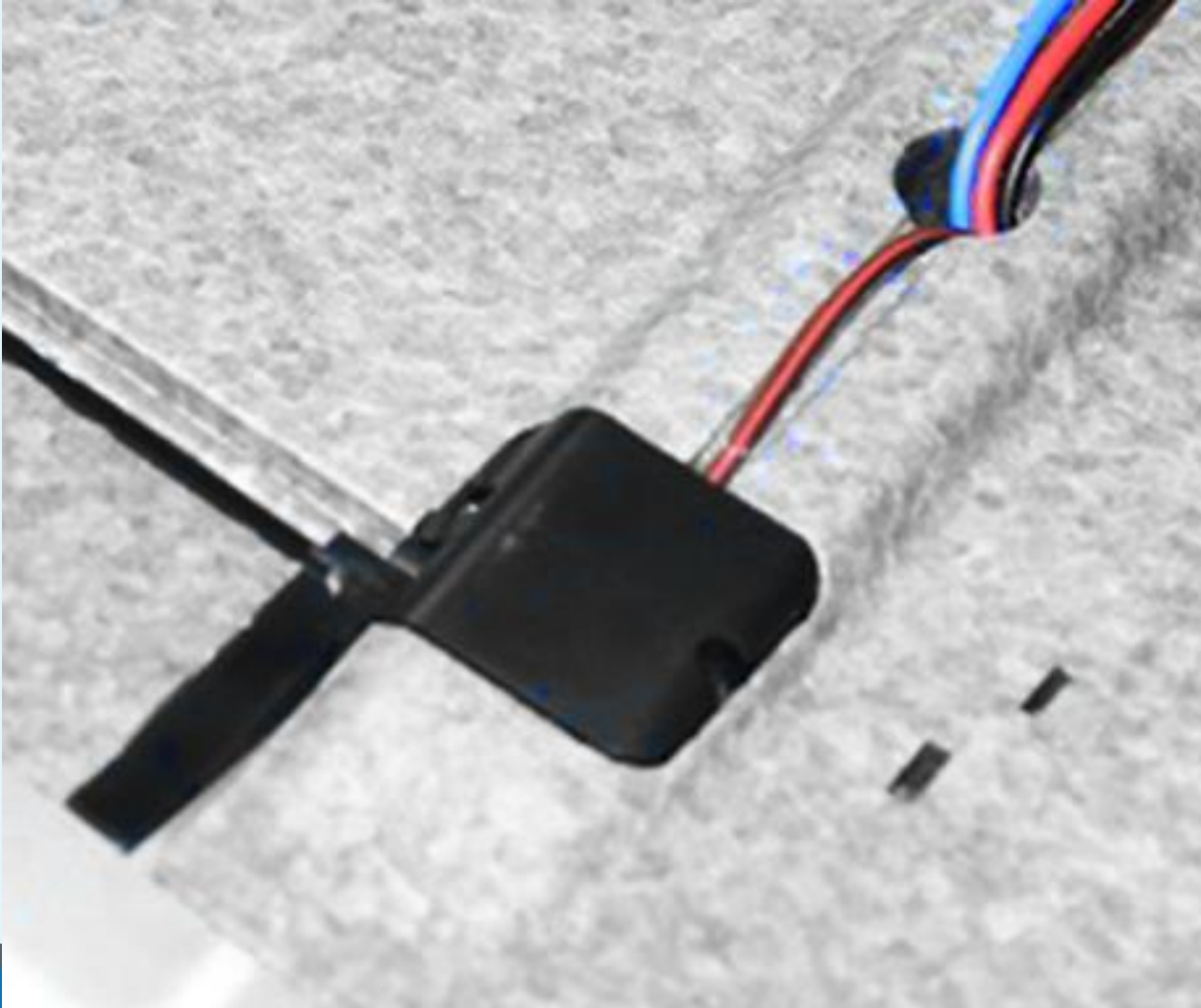
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Product Details



- Extended
- Camera Panel

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Product Details

- Strategically Hidden Steering Gears

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- Product Details
7-Pin Quick
Assembly
/Disassembly



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- Product Details
Complete Storage 25 Times
Industrial Foam Box

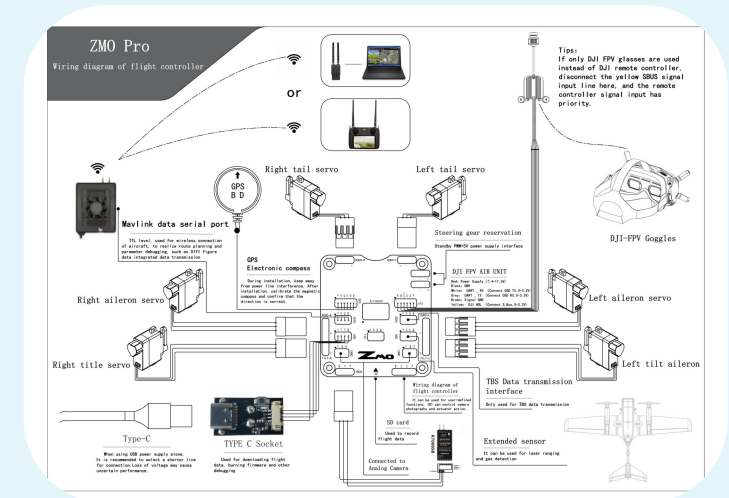
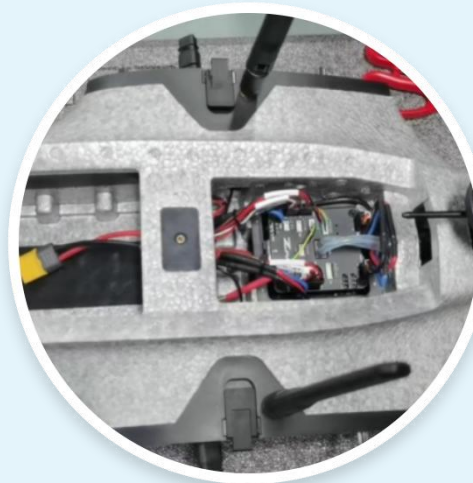
logo



OMP HOBBY ZMO PRO VTOL FPV AIRCRAFT ARF Combo

P/N code: OSFP-P0001

Including ZMO Frame, Y3 flight control, ESCs, Motors, Propellers, Charger, Battery, Carrying case.



OMP HOBBY ZMO PRO RTF Comb 2

P/N code: OSFP-P0002



ZMO PRO VTOL FPV Option RTF Combo 2

Including: ZMO PRO ARF Combo

+SIYI HM30 Full HD Digital Video Link

+Radio Master Zorro ELRSRadio controller

SIYI
HM30

Full HD Digital FPV System

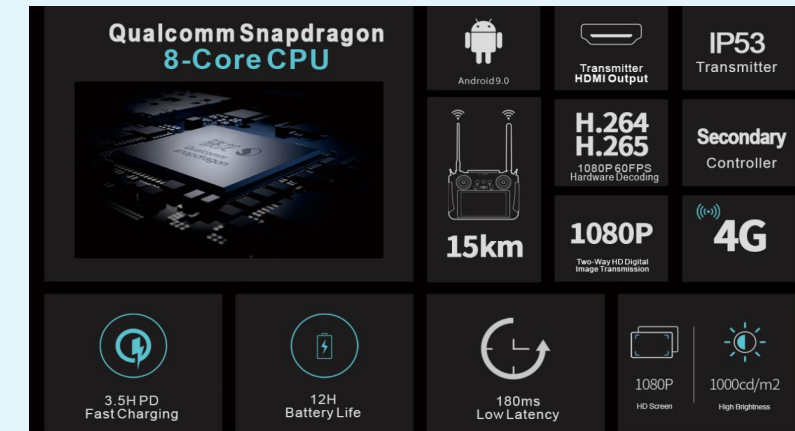
- ✓ Dual Full HD Digital Image Transmission
- ✓ 30KM Range
- ✓ 150ms Low Latency
- ✓ 1080p@60fps H.264/H.265 Decoding
- ✓ OLED Screen Display
- ✓ FPV OSD
- ✓ Dual RC & RC Relay
- ✓ IP Camera
- ✓ Long Range Antenna
- ✓ PD Fast Charging
- ✓ Support PIX and QGC
- ✓ Support Android & iOS Device

CE FC



OMP HOBBY ZMO PRO RTF Comb 1

P/N code: OSFP-P0003



ZMO PRO VTOL FPV Option RTF Combo 1

Including: ZMO PRO ARF Combo + SIYI MK15 Enterprise FPV Combo

OMP HOBBY ZMO PRO Combo Recommendation

P/N code: OSFP-P0004



ZMO PRO VTOL DJI FPV System BNF Option
DJI Combo CADDX AIR UNIT including

30th, Nov. 2022

Thanks