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Link do produktu: https://www.nobshop.pl/rama-betafpv-pavo-pico-o3-p-4248.html

Rama BETAFPV Pavo Pico O3



Cena brutto	**38,00 zł**
Cena netto	**30,89 zł**
Cena poprzednia	~~**59,99 zł**~~
Dostępność	**Dostępny**
Czas wysyłki	**1 - 3 dni**
Producent	**BetaFPV**

Opis produktu

Pavo Pico is the Smallest 2S Sub100g DJI O3 Cinewhoop frame, compatible with other mainstream HD digital VTX on the market, such as Walksnail Avatar Pro Kit, Vista Kit, etc. Based on feedback from pilots during the BETA TEST before, we have made upgrades to the frame, such as lowering the battery slot height and adding filters and camera protection parts. These improvements will maximize the advantages of the camera and HD digital VTX providing, enabling a unique and unparalleled flying experience for pilots.

Bullet Point

- HD digital VTX bracket made of lightweight and tough injection-molded PP material with an adjusted structure to prevent HD VTX displacement or loss after the crash.
- Incorporating an angle-limited lens protection print and DJI O3 series filters, It is recommended to purchase, which can increase safety and improve visual quality.
- The Rubber Damper Vibration damping design reduces low-frequency vibrations and is used with GyroFlow stabilization software for a stable and clear camera image during high-speed flight.
- To accommodate a wider range of battery sizes, the main body of the frame can be trimmed through DIY methods. Additionally, larger batteries can be installed by using battery straps or printed components.
- The DJI O3 can be directly installed, while Avatar and Vista require a 20*20 mounting plate and screws (included) for fixation. The naked frame is suitable for users who DIY refit and assemble the HD VTX by themselves
- We offer a wider range of colors for the Pavo Pico frames, giving you even more options to choose from. Whether you prefer a bold and bright hue or a more subdued shade, we have a color that will suit your style. You can choose your favorite color or collect them all to create your own unique mix-and-match cinewhoop.

Specification

- Item: Pavo Pico Brushless Whoop Frame
- Material: PA12
- Wheelbase: 80.8mm
- Battery Slot Size: 16mm*12.7mm
- Camera Installation Spacing: 19mm/20mm
- Color: Black/Blue/Transparent/Transparent grey
- Weight: 13.80g/11.62g
- Motor Mounting Hole Position: 3-M1.4-φ6.6mm
- FC Pattern: 26×26mm, suitable for F4 1S 12A AIO Brushless FC V3

Pavo Pico Frame Kit

We used ultra-light PP material to make the HD VTX mounting bracket, increasing its toughness. The antenna fixing slot and frame have been fused to reduce damage risk, while the camera's installation height has been lowered with a protective

printed part to limit its movable angle to within 30°. Additionally, an O3 filter can be used to protect the lens and enhance image quality. We have incorporated a unique rubber damper vibration-damping design, used with GyroFlow stabilization software, which greatly enhances safety and ensures a smooth, HD image output. When you screw the die-cast screws, please DO NOT screw them too tight to leave room for rubber dampers to absorb vibration. It may cause jello in the video footage.

Click to watch the installation guide video for DJI O3 Air Unit on Pavo Pico.

And The whoop quadcopter package includes the DJI O3 HD Digital VTX Antenna Mount.

DJI O3 Vibration Problem

To tackle the challenge of vibration on many whoop drones, the DJI O3 unit is mounted on a carbon fiber plate with 4 rubber dampers. This innovative design ensures peak performance and perfect stability.

Troubleshooting:

To improve video quality when recording with DJI O3 HD VTX, turn off its electronic stabilization and use GyroFlow stabilization software.

When fixing the HD VTX bracket with M1.4*10 screws, ensure that the nut just touches the shock-absorbing ball.

The Jello effect may occur during the above installation due to 2 reasons:

- The VTX bracket is over-tightened with the screw and the rubber dumper is totally deformed. To solve this, make sure that the screw is tightened just enough to touch the shock-absorbing ball and keep the ball and bracket loose.
- If It is a large deformation of the frame or quadcopter blades, replace the frame or blades with larger vibrations if necessary.

Note: use acetate tape to bind motor wires and prevent them from drooping and interfering with the propeller's rotation.

Upgrade Low Profile Design

After collecting feedback through the BETA TEST, we lowered the height of the HD VTX mounting bracket and whoop duct from 60.6mm to 51.5mm and the battery compartment results in a more low profile on the cinewhoop.

Pilots can further customize their cinewhoop with DIY options such as battery straps or printable components, allowing for compatibility with a variety of battery sizes. This enables pilots to tailor and enhance their cinewhoop to meet their specific requirements and preferences. Steps as follow:

Flight Controller

We upgraded the FC from F4 1S 12A AIO FC V3 to F4 2-3S 20A AIO FC V1. The upgraded FC features an ESC with a pulse overcurrent capacity of 25A, ensuring stable operation of the flight controller even in the event of motor stalling. The addition of a 9V 2A BEC power supply ensures the stable operation of the DJI O3 HD VTX when the battery voltage is low. It also includes a DJI O3 6-pin PMU allowing for connection to HD VTX without soldering. It integrates features such as a 16MB black box, with support for GPS, external receivers, and other devices. The redesigned solder pad layout and USB connector make installation and maintenance easier and more convenient.

	F4 1S 12A AIO FC V3(First Batch)	F4 2-3S 20A AIO FC V1(Since Second Batch)
Weight	4.23g	5.5g
BEC	5V@3A for External RX	5V@3A for External RX 9V@2A for DJI O3
Connector for DJI O3	Not support	Support
ESC Current	12A	20A

ESC Input Voltage	1-2S	2-3S
Number of Serial Ports	2*UART, 1*SBUS	4*UART, 1*SBUS

Note: T[illegible]f you use the F4 2-3S 20A AIO FC V1, the serial port of the SBUS receiver is UART5 while F4 1S 12A AIO Brushless FC V3 is UART6.

We also have extended the USB port to the end for easier parameter adjustment and wiring. A new DJI O3 6-pin PMU has been added for convenient installation and maintenance.

Recommend Parts

- Motor: 1102 | 14000kv Brushless Motor
- Propeller: GF 45mm 3-Blade Propeller, GF 45mm 2-Blade Propeller
- Battery: 2S 450mAh 45C Lipo Battery, LAVA 2S 450mAh 75C Battery, LAVA 2S 550mAh 75C Battery
- FC: F4 1S 12A AIO FC V3, F4 2-3S 20A AIO FC V1
- ND Filter: BETAFPV ND Filter for DJI O3 Camera
- Support HD Digital VTX: DJI O3 HD Digital VTX, Avatar HD Digital VTX, Vista HD Digital VTX, Runcam Link

Package

- Item: Pavo Pico Brushless Whoop Frame
- 1 * Pavo Pico Top Palte
- 1 * Pavo Pico Whoop Duct
- 1 * Frame FC Screw Package

- Item: Pavo Pico Brushless Whoop Frame | With HD VTX Bracket
- 1 * Pavo Pico Top Palte
- 1 * Pavo Pico Whoop Duct
- 1 * Frame FC Screw Package
- 1 * HD VTX Bracket Screw Package
- 1 * 20*20 HD VTX Mounting Plate
- 2 * O3 HD VTX Mounting Bracket
- 2 * O3 HD VTX Antenna Mounting Base
- 2 * 5.8g Copper Tube Antenna

- Item: Pavo Pico Brushless Whoop Frame | Whoop Duct
- 1 * Pavo Pico Whoop Duct

Produkt posiada dodatkowe opcje:

Kolor: Czarny