

Link do produktu: <https://www.nobshop.pl/dron-betafpv-pavo-femto-pod-dji-o4-lite-elrs-pnp-p-4808.html>

## Dron BetaFPV Pavo Femto pod DJI O4 Lite ELRS PNP

|              |                              |
|--------------|------------------------------|
| Cena brutto  | <b>599,00 zł</b>             |
| Cena netto   | <b>486,99 zł</b>             |
| Dostępność   | <b>Aktualnie niedostępny</b> |
| Czas wysyłki | <b>1 - 3 dni</b>             |
| Producent    | <b>BetaFPV</b>               |

### Opis produktu

#### Dron Pavo Femto (bez DJI O4 Lite) ELRS PNP

The Pavo Femto is a 2S high-definition brushless drone tailored for the DJI O4 Air Unit, delivering exceptional 4K/60fps video recording in a compact design. Powered by LAVA 1102 motors with a thrust-to-weight ratio of 6.75:1 and an optimized frame, it offers enhanced power and stability. Featuring precise PID and RATE tuning, a shock-absorbing system for stable footage, and an advanced F4 20A FC for HD VTX, it ensures smooth, agile flight performance. With customizable settings and robust components, the Pavo Femto excels in both freestyle flying and aerial videography.

### Bullet Points

- Best 2S 4K Pocket Drone: Equipped with the DJI O4 Air Unit for exceptional 4K/60fps video recording and unparalleled 2S 4K flight performance.
- Small and Lightweight: Weighing just 54.77g, the Pavo Femto offers more power and performance than the Pavo Pico, redefining 2S drone capabilities.
- Impressive Power: Powered by LAVA Series 1102 motors, delivering a thrust-to-weight ratio exceeding 6.75:1 with the optimized whoop duct.
- Fine-Tuned Performance: Optimized parameters for smooth aerial photography and freestyle flying, with customizable settings for personal flight styles.
- Pavo Femto Frame: Compact and durable frame with improved connections and a reinforced structure for enhanced stability and durability.
- Stabilized Footage: Shock-absorbing components eliminate high-frequency vibrations, ensuring smooth, stable footage.
- Advanced Flight Controller: F4 20A AIO FC with dual BECs, supporting 9V 2A for DJI O4 Air Unit and 5V 3A for external devices.

### Specifications

- Item: Pavo Femto Brushless Whoop Quadcopter
- Wheelbase: 75mm
- Motors: LAVA 1102 Brushless Motor
- Frame: Pavo Femto Brushless Whoop Frame (Black)
- Propellers: Gemfan 1611 3-Blade Propellers (40mm)
- Camera: DJI O4 Camera
- HD VTX Bracket: O4 Air Unit Bracket
- FC: F4 2-3S 20A AIO FC
- Receiver: Onboard Serial ELRS 2.4G
- VTX: DJI O4 Air Unit
- Flight time: 5:15 minutes\*
- Weight: 54.77g (O4 Air Unit included)

\* The data is measured in position hold mode and is for reference only. Actual flight time may vary based on factors such as flight style, battery performance, and environmental conditions.

**Pavo Femto**

**Pavo Pico**

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|------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Frame                  | Black Pavo Femto Frame                                                          | <a href="#">Black Pavo Pico Frame</a>                                                |
| HD VTX Bracket         | Black O4 Air Unit Bracket (Shock-absorbing Components for O4 Air Unit included) | Black HD VTX Bracket (Compatible with O4 Air Unit Bracket)                           |
| Wheelbase              | 75mm                                                                            | 80.8mm                                                                               |
| Weight                 | 54.77g (O4 Air Unit included)                                                   | 73.5g (O3 Air Unit included)                                                         |
| FC                     | F4 2-3S 20A AIO FC                                                              |                                                                                      |
| MCU                    | STM32F405RGT6                                                                   |                                                                                      |
| Gyro                   | ICM42688P                                                                       |                                                                                      |
| Blackbox Memory        | 16M                                                                             |                                                                                      |
| RX                     | Onboard Serial ELRS 2.4GHz                                                      |                                                                                      |
| VTX                    | DJI O4 Air Unit                                                                 | DJI O3 Air Unit (Compatible with DJI O4 Air Unit with the O4 Air Unit Bracket setup) |
| ESC                    | Onboard 2-3S 20A BLS ESC*4                                                      |                                                                                      |
| Motor Connector        | JST1.25-3Pin                                                                    |                                                                                      |
| Motor                  | LAVA 1102 14000KV                                                               | 1102 14000KV (2022)                                                                  |
| Prop                   | GF 40mm 3-B (1611)                                                              | GF 45mm 3-B                                                                          |
| Thrust-to-Weight Ratio | 6.75:1 (with DJI O4 Air Unit)                                                   | 4:1 (with DJI O3 Air Unit)                                                           |

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Recommended Battery LAVA 2S 450mAh Battery

Flight Time

5:15 min

4:00 min

## Engineered for DJI O4

Pavo Femto is a 2S high-definition brushless drone engineered specifically for the DJI O4 Air Unit. Powered by the newly developed LAVA Series 1102|14000KV motors, its thrust-to-weight ratio exceeds 6.75:1 with the optimized whoop duct. Weighing just 54.77g, it combines lightweight design and high performance, while the 8g DJI O4 Air Unit enables stunning 4K/60fps video recording. Pavo Femto stands out as the ultimate 2S 4K pocket drone for smooth and precise flights.

## Fine Tune Your Flight

The Pavo Femto is expertly calibrated for both aerial photography and freestyle flying, with engineers adjusting the PID and RATE parameters to deliver smooth, crystal-clear 4K/60fps video quality. Optimized for seamless performance with the DJI O4 Air Unit, it ensures unmatched visual clarity and stability. Additionally, you can customize the parameters and system settings to match your unique flying style, offering ultimate control and versatility.

## Pavo Femto Frame

The Pavo Femto Brushless Whoop Frame delivers a 4% thrust increase in a compact design, offering enhanced power and stability. It features improved connections between the whoop duct and carbon fiber plate with added supports and limits for secure assembly. Optimized for the DJI O4 Air Unit, it includes a reinforced protective structure for the circuit board.

## Fly Stable, Capture Full HD

To address the DJI O4 Air Unit's sensitivity to high-frequency vibrations caused by its built-in gyroscope for video stabilization, Pavo Femto features dedicated shock-absorbing components. The system uses a POM material bracket with four custom shock-absorbing balls for structural strength and durability.

This innovative design effectively isolates and absorbs high-frequency vibrations, ensuring smooth, stable footage and eliminating image shake or jello effects during FPV filming. Perfect for creators seeking high-quality aerial videography.

## Flight Controller for HD VTX

The Pavo Femto features an F4 2-3S 20A AIO Flight Controller specifically designed for HD VTX. Equipped with a dual BEC solution, it provides stable power outputs of 9V 2A for the DJI O4 Air Unit and 5V 3A for external devices. The 20A ESC ensures agile and dynamic flight performance, while dedicated 6-Pin connectors for the DJI O4 Air Unit and a conveniently positioned USB ports simplify installation and maintenance. This FC brings exceptional reliability and professional-grade functionality for Pavo Femto.

## High-Performance Power System

The Pavo Femto harnesses the power of LAVA Series 1102 Brushless Motors and Gemfan 1611 3-Blade Propellers, achieving a thrust-to-weight ratio exceeding 6.75:1 with its whoop duct optimization. With advanced tile-shaped magnets, an optimized magnetic circuit, and improved coil filling ratio, the motor delivers approximately 2.1g/W efficiency during steady flights. Even at peak thrust of 130g, it maintains efficiency above 1.5g/W, providing exceptional power while extending flight times.

## DJI O4 Whoop Family

Discover the ultimate whoop drones crafted for the DJI O4 Air Unit: the Pavo Femto, Meteor65 Pro O4, and Meteor75 Pro O4. Each offers unique features for high-definition FPV flying. The Pavo Femto delivers unmatched power and agility, perfect for freestyle enthusiasts, while the Meteor65 Pro O4 and Meteor75 Pro O4 excel in soft, precise flying within small spaces. Combining advanced engineering and seamless DJI O4 integration, these drones provide exceptional flight experiences and stunning visuals, tailored for pilots with diverse flying styles.

## Recommended Parts

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- Radio Transmitter: LiteRadio 3 Pro, LiteRadio 3, LiteRadio 2 SE
  - Battery: LAVA 2S 450mAh Battery
  - FC: F4 2-3S 20A AIO FC
  - Motor: LAVA 1102 Brushless Motor
  - Props: Gemfan 1611 3-Blade Propellers
  - Frame: Pavo Femto Brushless Whoop Frame
  - HD VTX Bracket: O4 Air Unit Bracket
  - Accessory: Shock-absorbing Components for O4 Air Unit

## File

- [FC firmware and CLI dump file](#)

How to install DJI O4 Air Unit on Pavo Femto Brushless Whoop Quadcopter (PNP Version)?

## Package

Pavo Femto Brushless Whoop Quadcopter (DJI O4 Version)

- 1 \* Pavo Femto Brushless Whoop Quadcopter (DJI O4 Version)
- 4 \* Shock-absorbing Balls for DJI O4 Camera
- 4 \* GF 1611 3-Blade Propellers
- 1 \* Type-C to SH1.0 Adapter
- 1 \* SH1.0-4Pin Adapter Cable

Pavo Femto Brushless Whoop Quadcopter (PNP Version)

- 1 \* Pavo Femto Brushless Whoop Quadcopter (PNP Version)
- 1 \* Canopy for O4 Air Unit Bracket
- 1 \* Bottom Plate for O4 Air Unit Bracket
- 4 \* GF 1611 3-Blade Propellers
- 1 \* Type-C to SH1.0 Adapter
- 1 \* SH1.0-4Pin Adapter Cable
- 1 \* DJI O4 Camera Bracket
- 1 \* Shock-absorbing Mount for DJI O4 Camera
- 1 \* 5.8G VTX Antenna
- 6 \* Shock-absorbing Balls for O4 Air Unit Bracket (6.6mm)
- 6 \* Shock-absorbing Pads for O4 Air Unit
- 8 \* Shock-absorbing Balls for O4 Camera
- 6 \* M2\*10 Cylindrical Socket Head Cap Screws
- 4 \* M2\*4 Flat Head Socket Cap Screws
- 6 \* M1.4\*5 Phillips Flat Washer Head Tapping Screws
- 1 \* Phillips Screwdriver
- 1 \* H1.5 Hex Screwdriver