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Link do produktu: https://www.nobshop.pl/dron-betafpv-pavo-femto-75mm-2s-o4-elrs-p-5259.html



Dron BetaFPV Pavo Femto 75mm 2S O4 ELRS

Cena brutto	**1 079,99 zł**
Cena netto	**878,04 zł**
Cena poprzednia	~~**1 189,99 zł**~~
Dostępność	**Dostępny**
Czas wysyłki	**1 - 3 dni**
Kod producenta	**01010042_2**
Kod EAN	**725764955884**
Producent	**BetaFPV**

Opis produktu

Dron BetaFPV Pavo Femto 75mm 2S O4 ELRS

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 52.2g, 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: O4 Air Unit Bracket II 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 II
- FC: F4 2-3S 20A AIO FC
- Receiver: Onboard Serial ELRS 2.4G
- VTX: DJI O4 Air Unit
- Flight time: 5:15 minutes*

- Weight: 52.2g (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**
Frame	Black Pavo Femto Frame	Black Pavo Pico Frame
HD VTX Bracket	Black O4 Air Unit Bracket II	Black HD VTX Bracket (Compatible with O4 Air Unit Bracket)
Wheelbase	75mm	80.8mm
Weight	52.2g (O4 Air Unit included)	73.5g (O3 Air Unit included)
FC	F4 2-3S 20A AIO FC	
MCU	STM32F405RGT6	
Gyro	ICM42688P/ICM42605	
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)
Recommended Battery	LAVA II 2S 580mAh/680mAH 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 52.2g, 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.

O4 Bracket II: Eliminate the Jello

Building on our proven design, the next-generation O4 Bracket II is engineered for one goal: perfect jello-free video. The first-generation bracket untilizes separate shock-absorbing components for the O4 camera, which is lightweight but complex to assemble and occasionally prone to jello from imperfect installation. In contrast, the O4 Bracket II introduces a fully integrated vibration-damping system. The camera is securely mounted with 4 screws for simplicity and rigidity, while 4 soft-mounted shock-absorbing balls replace rigid connections to isolate vibrations effortlessly. This refined approach eliminates complexity while delivering superior damping performance and long-term stability—so you can focus on capturing flawless video.

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.

Note: From August 2026, the F4 2-3S 20A FC fitted in our whoops will be available with either an STM32F405 or AT32F435 MCU. Both versions deliver identical flight performance and will be shipped at random, depending on stock availability.

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.

File

- FC firmware and CLI dump file
- STL file for O4 camera mount

Note: Due to the shortage of IMU chip ICM42688, BETAFPV team has found new IMU chip ICM42605 and built a compatible firmware. Extensive testing confirms it meets our strict quality standards.
How to install DJI O4 Air Unit on Pavo Femto Brushless Whoop Quadcopter (PNP Version)?

Package

Note: Starting October 23, 2025, all Pavo Femto whoops are equipped with the O4 Air Unit Bracket II for improved stability.

Pavo Femto Brushless Whoop Quadcopter (DJI O4 Version)

- 1 * Pavo Femto Brushless Whoop Quadcopter (DJI O4 Version)
- 2 * Shock-absorbing Balls for O4 Air Unit Bracket II (8.8mm)
- 4 * GF 1611 3-Blade Propellers
- 1 * Type-C to SH1.0 Adapter
- 1 * SH1.0-4Pin Adapter Cable
- 1 * DJI O4 Air Unit User Manual