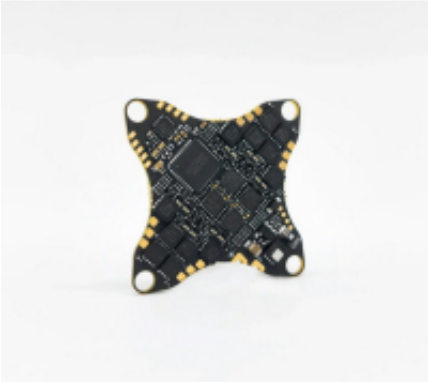
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Link do produktu: https://www.nobshop.pl/aio-hummingbird-whoop-racespec-v2-aio-fc-elrs-24g-25400mw-vtx-p-4928.html



AIO HummingBird Whoop RaceSpec V2 AIO FC ELRS 2.4G 25–400mW VTX

Cena brutto	**295,00 zł**
Cena netto	**239,84 zł**
Dostępność	**Aktualnie niedostępny**
Czas wysyłki	**1 - 3 dni**
Producent	**NewBeeDrone**

Opis produktu

AIO HummingBird Whoop RaceSpec V2 AIO FC ELRS 2.4G 25–400mW VTX

The **Hummingbird Whoop RaceSpec V2 AIO Flight Controller** with ExpressLRS (ELRS) 2.4G and SmartMax VTX is the next-generation evolution of our elite racing flight controller platform. Built for competitive FPV racers, this board refines the already impressive V3.1 RaceSpec with major improvements in power handling, stability, and durability—all without adding extra weight.

At the heart of the V2 is the upgraded AT32F4 MCU running at 216MHz. While it may seem like a downgrade from the previous 288MHz version, this change is intentional—delivering better system stability and more consistent performance during high-stress race conditions.

The all-new **double N-channel MOSFET ESC design** provides up to **18A per channel**, a significant upgrade from the previous N+P setup, offering higher efficiency and cooler operation. Pre-flashed with Bluejay firmware, the ESCs are ready to deliver ultra-smooth throttle response right out of the box.

To further optimize for weight and durability, the board **removes the onboard USB port**, replacing it with a lightweight USB-C adapter for configuration. This design choice minimizes potential failure points during crashes and saves critical grams for racing performance.

The integrated **SmartMax VTX** features **adjustable output up to 400mW**, with built-in thermal regulation to protect your board while maximizing signal strength when it matters most. It also provides a **precise and race-legal 25mW setting**, so you'll never get disqualified for excess VTX power during sanctioned events.

A major upgrade comes in the form of the new **UART-based ExpressLRS 2.4GHz receiver** with ceramic SMT antenna. This lightweight, durable configuration supports race mode and Wi-Fi tuning, giving pilots ultimate control. Note: This receiver uses an ESP8285 chip, which is no longer part of the official ELRS guideline, so manual firmware updates are required.

For pro builders, the V2 drops motor plugs entirely and features **enlarged solder pads**—ensuring maximum reliability through direct-solder connections. Reverse polarity protection is also added to help prevent accidents from mismatched power leads.

Pair this with the new BeeEye V2 camera, Betaflight 4.5.1 RacePro firmware, and a compact 25.5x25.5mm mounting footprint—and the **Hummingbird RaceSpec V2 AIO Flight Controller** is ready to dominate your next heat.

Warning!! Please Read the information below before you purchase this product!

⚠ Caution
Plug the USB adaptor board into the flight controller first.
Do not connect the USB/power before this step.

RaceSpec Product:

The**Hummingbird Whoop RaceSpec V2 AIO Flight Controller** is designed exclusively as a replacement for the**Hummingbird Whoop RaceSpec V2** BNF Whoop. It is not intended for DIY projects or use with third-party components. Each unit is rigorously tested and double-checked at the factory to ensure flawless operation. We do not provide technical support for this product, and any issues after purchase are considered user error. By purchasing this product, you accept full responsibility for its installation and use. This is a professional-grade product, and we cannot guarantee compatibility or provide support for custom builds.

Specification:

- MCU: AT32F4
- GYRO：42688
- VTX: True 25mw and up to 400mw SmartMax 5.8g Analog VTX
- ESC: 18A pre-flashed with Bluejay 0.19.2 48kHz
- ESC Connector: direct solder Pad Recommend Whoop RaceWire
- OSD: NBD7456 graphical OSD compatible with Betaflight OSD Perfect Edition
- Receiver: Uart ExpressLRS 2.4G with SMT Antenna (ESP8285)
- Flight Controller Weight: 4.71g (Include antennas and battery connector)
- Flight Controller Size: Outer dimensions: 29x29x7.6mm
- Flight Controller Holes: 25.5x25.5mm
- Battery input: 1S Only：**Recommend 300mAh 1S 3.8V**
- Uart1:free
- Uart2:free
- Power Plug: GNB A30 Connector compatible with BT2.0

Binding Video:

Include:
1x HummingBird Whoop RaceSpec V2 Flight Controller
1x GNB A30 connector compatible with BT2.0
4x Grommet
5x Screws

Firmware: Link