Link do produktu: https://www.nobshop.pl/newbeedrone-hummingbird-200-racespec-stack-20x20mm-elrs-fc-80a-am32-esc-p-4922.html



# NewBeeDrone Hummingbird 200 RaceSpec Stack 20x20mm - ELRS FC + 80A AM32 ESC

Cena brutto	509,99 zł
Cena netto	414,63 zł
Dostępność	Dostępny
Czas wysyłki	1 - 3 dni
Kod producenta	NBD5281+NBD5511
Producent	NewBeeDrone

# Opis produktu

# Hummingbird 200 RaceSpec Stack 20x20mm - ELRS FC + 80A AM32 ESC

The **Hummingbird 200 RaceSpec Stack** is a purpose-built 20x20 flight stack designed from the ground up for competitive 5" FPV racing. Co-developed with professional racer **Kyle Buell (aka Twidgit)** and tested rigorously over half a year of real racing conditions, this stack delivers the durability, precision, and simplicity that race pilots demand.

At the heart of the system is the **Hummingbird 200 Flight Controller**, powered by a blazing-fast **AT32F435 MCU at 288MHz**, offering performance that surpasses even F722 processors. It features the highly respected **ICM-42688 gyro** with **dedicated LDO power**, and a built-in **UART-based ExpressLRS 2.4GHz receiver** with **dual ceramic patch antennas** and a **TCXO oscillator** for unmatched signal stability. This design eliminates the need for external receivers, simplifying builds and improving reliability during crashes.

Paired with the FC is the **Hummingbird 200 4in1 ESC**, rated for **80A continuous for 10 seconds and 100A burst for 3 seconds per channel**, supporting 3–6S LiPo input. Built on a **6-layer 3oz copper PCB** with **blind vias and gold plating**, this ESC is engineered to survive repeated abuse. It features **three massive onboard TVS diodes** for voltage spike protection and **four corner-mounted capacitor pads** for larger builds.

A standout feature is the **3D reinforced motor pad design**—with solderable surfaces on the top, bottom, and side—ensuring rock-solid motor wire attachment that won't rip off even in hard crashes.

Priced at just **\$99**, this stack shatters expectations, offering elite-level performance and racer-driven durability at a fraction of the market price. Built by racers, for racers.

# **Key Features**

### ???? Flight Controller (Hummingbird 200 FC RS)

- AT32F435 MCU @ 288MHz faster than F722
  IF YOU CANNOT GET INTO DFU, PLEASE INSTALL AT32 DRIVER
- Built-in ExpressLRS 2.4GHz receiver (UART-based)
  Firmware target name(NewBeeDrone Diversity 2.4Ghz RX V2)
  - Dual ceramic patch antennas

- TCXO oscillator for signal stability
- ICM-42688 gyro with dedicated LDO power supply External clock sampling in BF4.6 reduces gyro noise, improves stability.
- NBD7456 OSD chip
- 10V 2A and 5V 2A dual BEC power outputs
- UART Layout:
  - UART1: Internal ELRS
  - UART5: Direct HDZero VTX plug
  - UART7: Free
- I2C and LED pad ready
- Mounting: 20x20mm (M2 or M3)
- Weight: 4.8g
- · Comes with Nano Coating

#### **5 ESC (Hummingbird 200 RS 4in1 ESC)**

- 10 Seconds Continuous Current: 80A per channel
- 3 Seconds Burst Current: 100A (3s)
- Voltage Input: 3-6S LiPo
- AT32F421 MCU with integrated gate driver
- Firmware: AM32
- 6-layer, 3oz copper PCB with blind via and gold plating
- 2x onboard TVS diodes rated for 400W peak
- 3D motor pad structure (top + bottom + side solderable)
- Mounting: 20x20mm (M3 holes)
- Dimensions: 35x45mm (incl. pads)
- Weight: ~13.9g
- · Comes with Nano Coating

User Guide: Link

# Wire Diagram:

#### Include:

#### FC:

1x Hummingbird 200 RaceSpec Flight Controller – AT32F435 20x20 FC with Built-in ELRS 2.4GHz for FPV Racing 5x Grommets

1x DJI O3/O4/HDZERO plug and play cable 100mm

1x SH1.0 8Pin 36mm for FC to ESC

## 2x 120mm silicon wire 4color cable

- 1x Hummingbird 200 ESC RaceSpec 80A 3-6S AM32 20x20 Design for Extreme Racer
- 5x Grommet 1x 14awg Power cable
- 1x XT60 Plug
- 1x 8Pin 100mm Silicone Cable for FC Connection
- 1x 1000uf Capacitor
- 2x Tiny heat shrink for capacitor