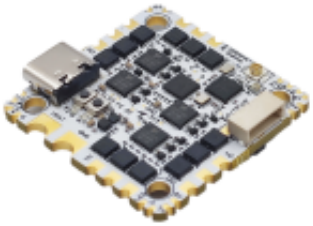
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Link do produktu: https://www.nobshop.pl/aio-hdzero-gamma-45a-hd-ready-p-5209.html

AIO HDZERO Gamma 45A HD-Ready



Cena brutto	**379,99 zł**
Cena netto	**308,93 zł**
Dostępność	**Dostępny**
Czas wysyłki	**1 - 3 dni**
Kod producenta	**HDZ55GM**
Producent	**HDZero**

Opis produktu

AIO HDZERO Gamma 45A HD-Ready

HDZero Gamma 45A HD-Ready AIO

25.5×25.5mm for 2.5–4in Digital FPV Builds (3-6s)

The **HDZero Gamma 45A HD-Ready AIO** is a compact, digital-first all-in-one flight controller designed for **2.5–4 inch FPV drones** using the popular **25.5×25.5mm Whoop / Toothpick mounting pattern**.

Built around the **STM32G473 MCU**, Gamma delivers strong processing headroom for modern Betaflight features while keeping builds clean, simple, and reliable.

Integrated ExpressLRS Receiver

Gamma includes a **built-in serial ExpressLRS 2.4GHz receiver**, eliminating the need for a separate RX. This reduces wiring, saves space, and removes one of the most frustrating steps in small digital builds.

Designed for Digital Video

Gamma is purpose-built for digital FPV systems. A **standard digital VTX plug** and a **protected 8V / 3A high-power BEC** make it easy to run modern digital transmitters, including HDZero, DJI, Walksnail, and OpenIPC. A secondary **5V / 3A BEC** is available for LEDs and peripherals.

The analog OSD chip is intentionally removed to save space and optimize the board for digital-only setups, making Gamma an excellent match for compact digital stacks using VTX's like the **HDZero Whoop V2** or **HDZero Freestyle V2**.

High-Performance 32-bit AM32 ESC

The onboard **32-bit 4-in-1 AM32 ESC** provides clean, stable power delivery and improved transient response during rapid

throttle changes. Each motor output supports **45A continuous with 60A burst capability**, helping reduce voltage spikes, brownouts, and component stress. Supports 3-6s batteries for high performance flying.

Builder-Friendly Layout

All motor and I/O pads are **castellated and edge-mounted**, making soldering easier and improving serviceability in tight frames - you can even mount the AIO upside down and still access all of the IO pads. The layout is optimized for clean wiring and straightforward integration of additional peripherals such as GPS, LEDs, or buzzers.

Watch the product overview video

Key Features

- 25.5×25.5mm Whoop / Toothpick mounting pattern
- Optimized for 2.5–4 inch digital FPV builds
- STM32G473 MCU with ICM gyro
- Integrated serial ExpressLRS 2.4GHz receiver
- 45A continuous / 60A burst 32-bit AM32 4-in-1 ESC
- 8V / 3A protected BEC for digital VTXs
- 5V / 3A BEC for LEDs and peripherals
- Standard digital VTX plug
- Castellated edge pads for clean, easy soldering

At-a-Glance Specs

Mounting	25.5×25.5mm (Whoop / Toothpick), 8.4g
Recommended Builds	2.5–4 inch digital FPV
MCU	STM32G473
Receiver	Integrated serial ExpressLRS 2.4GHz
ESC Firmware	AM32 (32-bit 4-in-1)
Motor Output	45A continuous / 60A burst (per output), 3-6s
Digital VTX Power	Protected 8V / 3A BEC
Peripheral Power	5V / 3A BEC
Video Integration	Standard digital VTX plug
OSD	Analog OSD chip removed (digital-optimized)

Included in the Box

- HDZero Gamma 45A HD-Ready AIO
- 1x ELRS T-sharp short antenna (40mm)
- 5x M2 Rubber Grommet(5.6mm)
- 1x XT30 cable with 330uF/35V capacitor (70mm)

Recommended Use

Ideal for **2.5–4 inch digital FPV drones**, including freestyle, racing, training, and drone soccer platforms. **Not recommended for heavy 5-inch builds**.

Notes

- Designed for digital video systems using a standard digital VTX plug and an 8V / 3A regulated rail.
- 5V rail is intended for peripherals (LEDs, etc.). Use appropriate protection if your wiring could be shorted.