

NITRO 800

FIXED-WING TACTICAL UAV
Class 1 Mini

TECHNICAL SPECIFICATIONS

Performance at a Glance

160 km/h Max Speed

3 500 m Service Ceiling

> 50 Km Control Range

1.5 kg Max Payload

< 5 min Deployment Time

1700 g Dry Weight

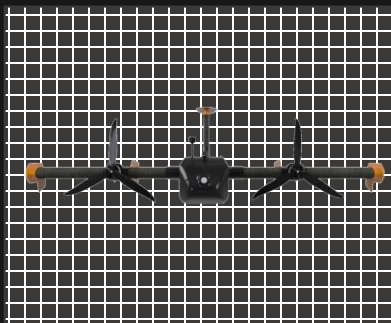
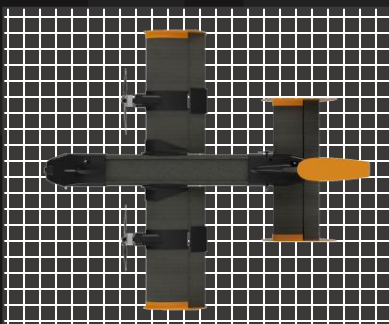
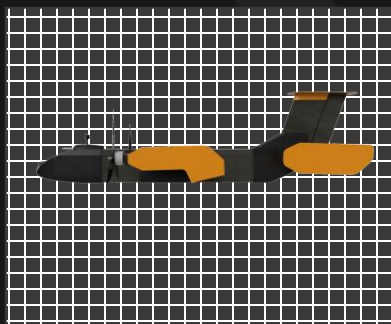
4.0 kg MTOW (Catapult)

> 15 min Min Flight Endurance

CONFIGURATION

Dimensions	1000 × 900 × 300 mm
Wingspan	800 mm
Cruise Speed	80 km/h
Op. Temperature	-20 °C to +50 °C
Propulsion	Dual electrical motor
Propellers	10"-13" interchangeable
Flight Control	Cube/Pixhawk/Matek
NATO Class	Class 1 Mini

The Nitro 800 is a dual-motor fixed-wing UAV engineered for tactical reconnaissance and autonomous mission profiles. Modular avionics support full waypoint navigation and on-board AI for machine vision and target locking. Ruggedized for all-weather operation and field deployment in under five minutes.



CONTACTS

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NITRO 800

FIXED-WING TACTICAL UAV
Class 1 Mini



TECHNICAL SPECIFICATIONS *

Flight speed: 0-45 m/s

Loiter speed: 18 m/s

Cruise speed: 22 m/s

Max. horizontal speed: 32 m/s

Vertical climb performance: 7-10 m/s

Flight time: 20 min at cruise speed, 30 min at loiter speed

Payload: from 800g VTOL up to 1500g with the catapult launcher

MISSION PROFILES

Training

Target

Strike

ISR

Radio relay

SUPPLY OPTIONS

Component kit for DIY/Projects

Pre-fabricated airframe kit **

RTF airframe ***

FPV version

Specific mission ready

ADDITIONAL EQUIPMENT

Ground control station GCS

Transportation mill grade box

Catapult launcher

Spare parts and adapters

* all the data based on normal weather and atmosphere conditions

** no electronics included

*** no radio control, flight control and battery is included

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NITRO 1000

FIXED-WING TACTICAL UAV
Class 1 Mini



TECHNICAL SPECIFICATIONS

Performance at a Glance

160 km/h Max Speed

4 000 m Service Ceiling

> 50 Km Control Range

3 kg Max Payload

< 5 min Deployment Time

2 200 g Dry Weight

6.0 kg MTOW (Catapult)

> 15 min Min Flight Endurance

CONFIGURATION

Dimensions 1125x1100x275 mm

Wingspan 1000 mm

Cruise Speed 80 km/h

Op. Temperature -20 °C to +50 °C

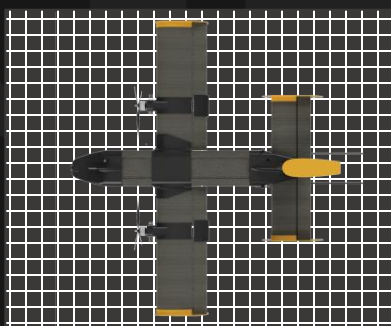
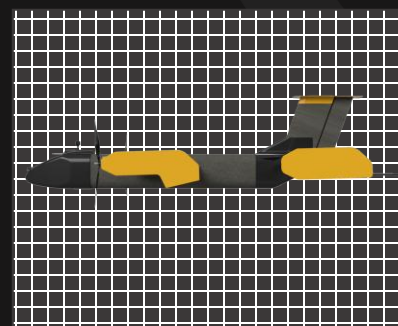
Propulsion Dual electrical motor

Propellers 10"-13" interchangeable

Flight Control Cube/Pixhawk/Matek

NATO Class Class 1 Mini

The Nitro 100 is a dual-motor fixed-wing UAV engineered for tactical reconnaissance and autonomous mission profiles. Modular avionics support full waypoint navigation and on-board AI for machine vision and target locking. Ruggedized for all-weather operation and field deployment in under five minutes.



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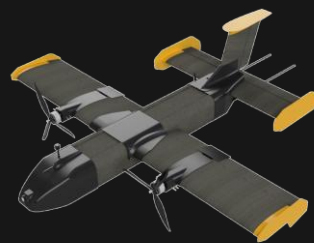
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NITRO 1000

FIXED-WING TACTICAL UAV
Class 1 Mini



TECHNICAL SPECIFICATIONS *

Flight speed: 0-45 m/s

Loiter speed: 18 m/s

Cruise speed: 22 m/s

Max. horizontal speed: 32 m/s

Vertical climb performance: 7-10 m/s

Flight time: 30 min at cruise speed, 40 min at loiter speed

Payload: from 1500g VTOL up to 3 kg with the catapult launcher

MISSION PROFILES

Training

Target

Strike

ISR

Radio relay

SUPPLY OPTIONS

Component kit for DIY/Projects

Pre-fabricated airframe kit **

RTF airframe ***

FPV version

Specific mission ready

ADDITIONAL EQUIPMENT

Ground control station GCS

Transportation mill grade box

Catapult launcher

Spare parts and adapters

* all the data based on normal weather and atmosphere conditions

** no electronics included

*** no radio control, flight control and battery is included

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NITRO FAMILY

FIXED-WING TACTICAL UAV

Configuration Options

Name	Wingspan, mm	Propeller	Motor	Servo	ESC	FC	Camera	VTX	Goggles	RC	Battery	Case	Price
NITRO 800 Prebuilt kit	800	+	-	-	-	-	-	-	-	-	-	-	€ 690
NITRO 1000 Prebuilt kit	1000	+	-	-	-	-	-	-	-	-	-	-	€ 849
NITRO 1500 Prebuilt kit	1500	+	-	-	-	-	-	-	-	-	-	-	€ 990
NITRO 800 RTF	800	+	+	+	+	-	-	-	-	-	-	-	€ 895
NITRO 1000 RTF	1000	+	+	+	+	-	-	-	-	-	-	-	€ 1,290
NITRO 1500 RTF	1500	+	+	+	+	-	-	-	-	-	-	-	€ 1,495
NITRO 800 Mission Ready	800	+	+	+	+	+	-	-	-	-	-	-	€ 1,750
NITRO 1000 Mission Ready	1000	+	+	+	+	+	-	-	-	-	-	-	€ 1,990
NITRO 1500 Mission Ready	1500	+	+	+	+	+	-	-	-	-	-	-	€ 2,190
NITRO 800 Full FPV Combo	800	+	+	+	+	+	+	+	-	+	+	-	€ 2,311
NITRO 1000 Full FPV Combo	1000	+	+	+	+	+	+	+	-	+	+	-	€ 2,503
NITRO 1500 Full FPV Combo	1500	+	+	+	+	+	+	+	-	+	+	-	€ 2,695
NITRO 800 Luxury FPV Kit	800	+	+	+	+	+	+	+	+	+	+	+	€ 2,888
NITRO 1000 Luxury FPV Kit	1000	+	+	+	+	+	+	+	+	+	+	+	€ 3,080
NITRO 1500 Luxury FPV Kit	1500	+	+	+	+	+	+	+	+	+	+	+	€ 3,273

Prebuilt Kit - The perfect canvas for custom builds. This is the core airframe of your future UAV. The kit includes the pre-assembled airframe and propellers. It is the ideal choice for experienced pilots and engineers who prefer to install their own electronics (motors, servos, and controllers) to meet specific mission profiles

RTF – Ready To Fly (Mechanical Set) - The essential power-train foundation. This configuration provides the mechanical propulsion system needed to get the aircraft moving. It includes propellers, motor, servos, and the Electronic Speed Controller (ESC). All that remains is to integrate your preferred flight controller and communication link

Mission Ready - A balanced system with integrated flight intelligence. Building upon the RTF version, the Mission Ready kit adds a flight Controller (FC). The UAV comes with all essential onboard electronics pre-installed for stable, managed flight. It is a technically complete aircraft that only requires your radio system and payload to be deployed

Full FPV Combo - a complete "First Person View" experience. A comprehensive solution for remote piloting and real-time surveillance. In addition to the Mission Ready hardware, this tier includes: Camera and Video Transmitter (VTX) for high-quality live feeds. Remote Controller (RC) and FPV Goggles. This is a turnkey solution for immersive flight, requiring only the addition of batteries to take to the skies

Luxury FPV Kit - The ultimate all-inclusive package – Unbox and Fly. Our most premium offering, designed for maximum convenience and performance. In addition to the Full FPV Combo, this kit includes: High-capacity Battery, optimized for the specific wingspan and power requirements. Rugged Transport Case, ensuring the safety of your equipment during transit and storage. The Luxury Kit is designed for professionals who demand immediate operational readiness without the need for additional sourcing.

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