



## AMBER FALCON

# ENGINEERED FOR ENDURANCE, BUILT FOR SUCCESS IN ANY OPERATIONAL THEATRE.



**Designed, developed and manufactured in the UK, the Amber Falcon is a next-generation tactical drone built to thrive in any environment. Engineered for operations where resilience is paramount. Whether tasked with reconnaissance, counter-IED missions, combat engineering, or public safety support, it delivers unmatched reliability and versatility on every sortie.**

The Amber Falcon balances lightweight agility with robust strength. Capable speeds up to 75mph and altitudes up to 10,000 feet with a maximum range of 20km.

Built around a NATO-standard Picatinny rail, the Falcon accommodates a diverse payload suite from cameras and loudspeakers to smoke dispersal and critical infrastructure denial tools. Encryption-secured communications and mission planning via Herelink Blue make it as safe as it is effective.

DESIGNED FOR MISSION FLEXIBILITY,  
ENDURANCE, AND PRECISION,  
THE AMBER FALCON IS MORE THAN A  
DRONE, IT'S A FORCE MULTIPLIER.

TACTICAL RECONNAISSANCE

COUNTER IED

COMBAT ENGINEERING

ISTAR

PUBLIC SAFETY / LAW ENFORCEMENT

CRITICAL INFRASTRUCTURE DENIAL



#### Physical Characteristics

- Carbon fibre frame with foldable arms
- Wheelbase: 650mm
- Motor Mount Pattern: 16mm-25mm
- Body: Full carbon fibre top and bottom plate
- Arms: 20mm carbon fibre tubes with aluminium foldable arm mounts
- Landing Gear: 16mm and 10mm carbon fibre tubes
- Upper and Battery Plate: 120mmx128mm carbon fibre
- Weight: 2kg (without battery)
- Maximum take-off weight: 6.3kg

#### Flight Characteristics

- Speed: 75mph (maximum), 45mph (cruising)
- Maximum altitude: 10,000' AMSL
- Flight time/endurance: 30 mins hover with 6S 10000mAh battery and no payload.
- Maximum range: 20km
- Wind resistance: 35mph

#### Power and Propulsion Systems

- Propulsion: Brushless electric motors
- Battery type: LiPo 6S 22.2V, 2200mah
- Charging time: 45 mins from fully expended

#### Communication & Control Systems

- Control system: Manual, Semi/ Fully-autonomous
- Radio frequency bands, 2.4 GHz, 5.8 GHz
- Encrypted communication, AES-128
- Real-time video transmission
- Ground control station: Herelink Blue (NDAA compliant), Operates QGround Control and Mission Planner

#### Navigation Systems

- GPS: Here4 Blue multiband RTK GNSS
- Navigation modes: Waypoint, manual and autonomous
- Return-to-Home (RTH)

#### Flight Systems

- Camera: Siyi R1M 1P
- Additional cameras: Option to be fitted as payload
- Gimbal: 1 axis servo camera gimbal
- ESC: 4 x Tekko32 F4 45A
- Flight controller: Cubepilot Blue
- Flight controller firmware: Arducopter

#### Payload & Armament Capabilities

- Maximum payload weight: 3.1kg
- Payload types: Camera, Explosive, Smoke, Gas, LRF, Loudspeaker
- Weapons mounts: NATO standard Picatinny rail
- Manual and Autonomous release available

#### Environmental & Operational Specifications

- Operating temperature range: -10 to + 40
- Weather conditions: Wind, light rain
- Operational environments: Urban, desert, jungle, arctic

#### Accessories

- Gensace IMARS Dual CH battery charger
- Spare aircraft battery
- Hard carry case

#### Operations Kit Packages

The Amber Falcon is available in several standard equipment bundles to suit your needs.

#### Contact Us for Military Contracts

Offering unmatched performance, the Amber Falcon is your ultimate platform for precision, durability, and mission adaptability.

Contact us today to discover how the Amber Falcon can support your next mission.

