



AMBER HORNET

ADVANCED TACTICAL DELIVERY PLATFORM

PRECISION
IN THE AIR,
POWER ON
THE GROUND

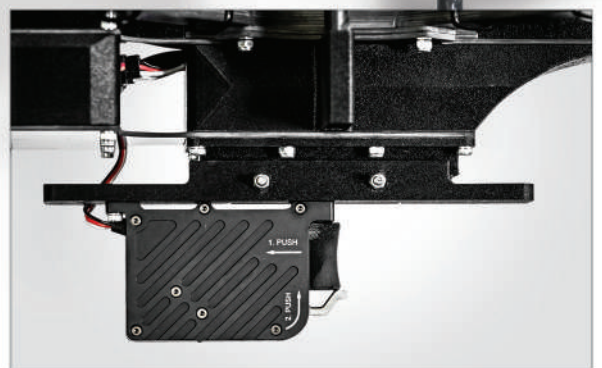


The Amber Hornet is a versatile, advanced drone system designed for diverse operational roles, including tactical reconnaissance, counter IED, combat engineering, critical infrastructure denial and missions.

Engineered for operations across urban, desert, jungle, and arctic environments, it withstands wind and light rain conditions, boasts a flight speed of up to 75mph with a cruising speed of 45mph and can reach altitudes of up to 10,000 feet AMSL.

Equipped with manual, semi and fully autonomous control systems, the Amber Hornet maintains encrypted communication through AES-128 and transmits real-time video. GPS navigation enables waypoint, manual and autonomous flight.

Featuring NATO-standard Picatinny rail mounts along with both manual and automatic release mechanisms, the Amber Hornet supports payloads such as explosives, smoke, gas, survival supplies and laser range finders.



Release system supports both manual and automatic release triggering.



Brushless motors offer reliable, smooth and quiet operation.

ENGINEERED FOR ENDURANCE, THE AMBER HORNET IS BUILT FOR SUCCESS IN ANY OPERATIONAL THEATRE.

TACTICAL RECONNAISSANCE
COUNTER IED
COMBAT ENGINEERING
ISTAR
PUBLIC SAFETY / LAW ENFORCEMENT
CRITICAL INFRASTRUCTURE DENIAL



Physical Characteristics

- Frame: Carbon fibre with detachable legs
- Dimensions: 290mm x 180mm (inc antenna) x 130mm (without payload release system).
- Diagonal dimensions: 440mm (motor to motor).
- Weight: 1.9kg (inc battery)
- Maximum take-off weight: 5kg

Flight Characteristics

- Speed: 75mph (maximum), 45mph (cruising)
- Maximum altitude: 10,000' AMSL
- Flight time/endurance: 40 mins (no payload)
- Maximum range: 20km
- Wind resistance: 35mph
- Take-off & landing type: VTOL

Power and Propulsion Systems

- Propulsion: Electric motors (KN3214 brushless)
- Battery type: LiPo 6S 22.2V
- Battery capacity: 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: Yes, AES-128
- Real-time video transmission: Yes
- Ground control station: Herelink Blue (NDAA compliant), Operates QGround Control and Mission Planner

Flight Systems

- Camera: Siyi R1M 1P
- Additional cameras: Option to be fitted as payload
- Gimbal: 1 axis servo camera gimbal
- ESC: Team Blacksheep Lucid 3-8s 60A 4 in 1
- Flight controller: Brain FPV Radix 2HD
- Flight controller firmware: Arducopter
- Compass: RM3100 CAN

Payload & Armament Capabilities

- Maximum payload weight: 3kg
- Payload types: Camera, Explosive, Smoke, Gas, LRF.
- Weapons mounts: Fitted with NATO standard Picatinny rail
- Release mechanisms: Manual and Autonomous release available

Navigation Systems

- GPS: ArduSimple simpleRTK2b Lite + helical antenna
- Navigation modes: Waypoint, manual and autonomous
- Return-to-Home (RTH): Yes

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 Hornet is available in several standard equipment bundles to suit your needs.

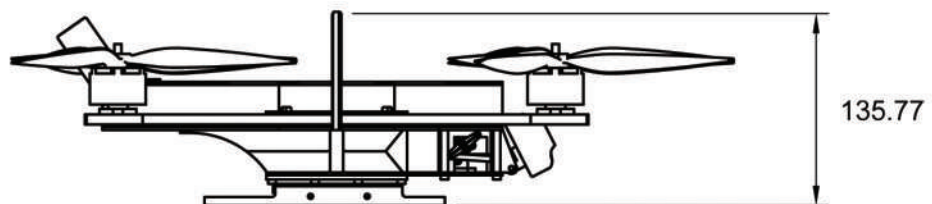
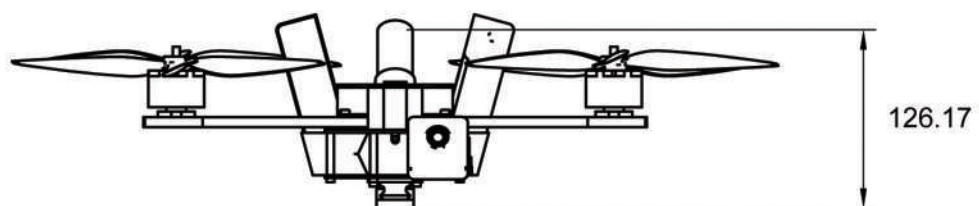
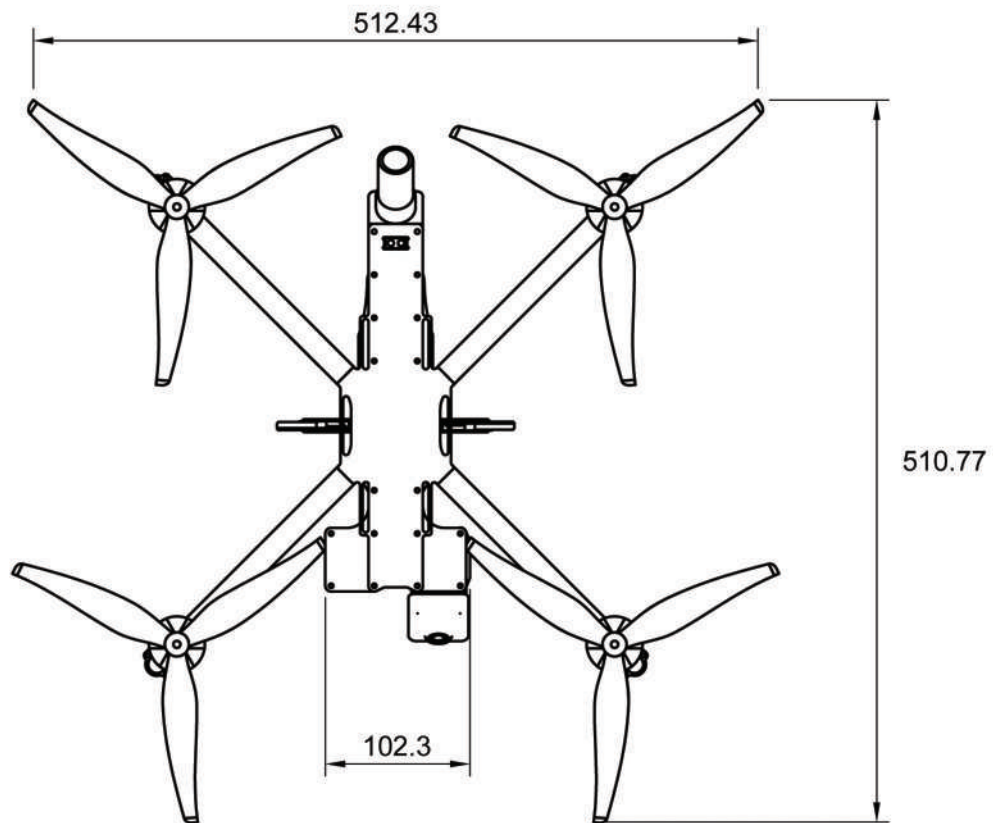
Contact Us for Military Contracts

The Amber Hornet is your ultimate platform for precision, durability, and mission adaptability. Whether it's delivering explosives for EOD tasks, supporting combat engineering, or providing essential surveillance in hostile environments, the Amber Hornet offers unmatched performance.

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

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