







Thunder Tiger Corporation (8033.TW) designs and manufactures unmanned vehicles for defense applications. Since our establishment in 1979, we have expanded to include unmanned surface vessels, underwater ROVs, and all-terrain ground vehicles.

As part of the Taiwan National Drone team, we were granted by the Taiwan Economic Ministry to develop the T-400, a large-scale civil-defense dual-use unmanned helicopter. Our Emergency Response UAVs have also collaborated with Chunghua Telecom for disaster relief and communication solutions in Taiwan.

We prioritize long-term success and innovation, funding our own research and development and collaborating with other companies to deliver quality solutions. Our UAS range includes the TETTRON TM-450, a portable UAS for defense missions, and the SeaShark USV, designed for defense and security operations with advanced navigation and customizable payloads. Our Blackhawk T-400 Advanced Helicopter, excels in aerial surveillance and intelligence gathering. We also specialize in FPV one-time-use drones for rapid deployment and high-impact missions, providing precise strike capabilities with minimal collateral damage.







Our USV hulls, made from aluminum, are produced using hydraulic press technology, laser cutting and robotic welding, enhancing both production and operational versatility. Aluminum ensures a lightweight yet durable structure, ideal for harsh marine environments. It is resistant to corrosion, making it suitable for prolonged use in ocean, extreme weather, and rough seas.







THUNDER TIGER

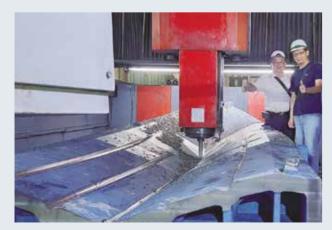






Thunder Tiger excels in air vehicle and mission system design, production, communication systems, and sensor integration. We produce key components like motors, engines, Electronic Speed Controls (ESCs), and flight controllers. The vertical integration implementation allows Thunder Tiger to maintain high quality standards and rapid innovation cycles, ensuring our unmanned aerial systems (UAS) are at the forefront of technology. Our industry partnerships enable us to deliver mission-ready solutions tailored to the evolving demands of the defense sector.









The BlackHawk T-235AH Advanced Helicopter features an all-electric power system designed for seamless integration. It is suitable for intelligence reconnaissance, situational awareness, and precision targeting support. The helicopter includes a high-performance camera gimbal, ensuring flight accuracy, extended endurance, and flexible payload options. Its low-noise flight characteristics make it ideal for missions requiring precision and adaptability. The BlackHawk T-235AH can fly continuously for over 70 minutes, providing reliable performance for various mission needs.



++ Key Features

• Rotor diameter: 2110mm

• Length: 2403mm

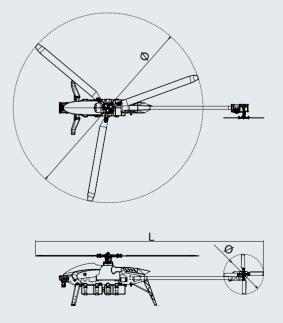
• Maximum take-off weight: 20kg

• Payload: 4.5kg

• Range: 20 ~ 30km

• Maximum speed: 100km/hr

• Endurance: 70 minutes



THUNDER TIGER





TETTRON autonomous combat solution, the TM-450 micro-UAS is a military-grade, fully autonomous multi-rotor system has been developed to address the specific requirements of the Taiwan Defense Ministry. Its primary mission is to provide the most advanced close-range observation capabilities available. While it possesses the flexibility to handle a wide range of missions and applications, the TM-450 is particularly optimized for Short Range Reconnaissance (SRR) and excels in urban settings. Its advanced AI algorithms empower it to deliver day and night intelligence imagery, enhancing the capabilities of tactical combat units.

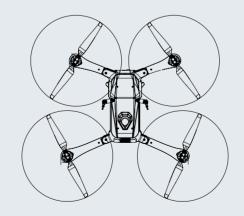


• Weight: 2kg

• Range: 5 ~ 10km

• Maximum speed: 20m/s (72km/hr)

• Endurance: 30 minutes







Thunder Tiger Tettron Hornet's hand launch and landing capability demonstrates its adaptability and effectiveness in dynamic combat environments and provide military personnel with tactical advantage, whether operating in rugged terrains, or challenging combat zones.

Tettron Hornet is equipped with a built in Skyhook system. This enables a drop and delivery mechanism, offering military operators the ability to deliver payloads in combat situations quicky. Whether it's supplies, medical equipment, or other critical resources, the Skyhook system ensures efficient and precise delivery, bolstering operational effectiveness and enhancing mission success rates.

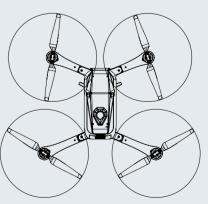
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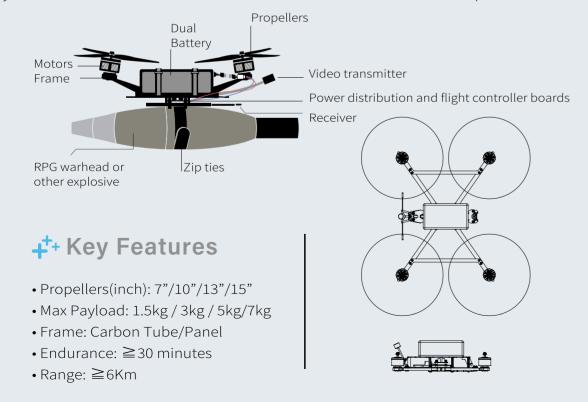
7 THUNDER TIGER





The Overkill Killer FPV drone has excellent maneuverability, allowing it to change direction quickly and accurately. It can carry various types and weights of payloads, making it effective in different mission scenarios. Its compact design enables it to navigate tight spaces such as trenches and building windows.

The Overkill Killer FPV drone can be deployed rapidly, providing a tactical advantage in dynamic environments. Available in different sizes based on mission requirements.





The Overkill Striker drone, also known as a loitering munition, is an unmanned aerial vehicle (UAV) designed for tactical operations.

Recent conflicts have highlighted the asymmetric impact of affordable, one-way unmanned aerial systems (UAS) have on the modern battlefield. The Overkill Striker drone is a reliable, affordable, and adaptable long-range UAS platforms.

The Striker is a commercial solutions for ground-launched, one-way UAS platforms that can operate at ranges from 60-160km+, launch quickly and navigate at low altitudes, carry a variety of payloads, and operate beyond line of sight environments.



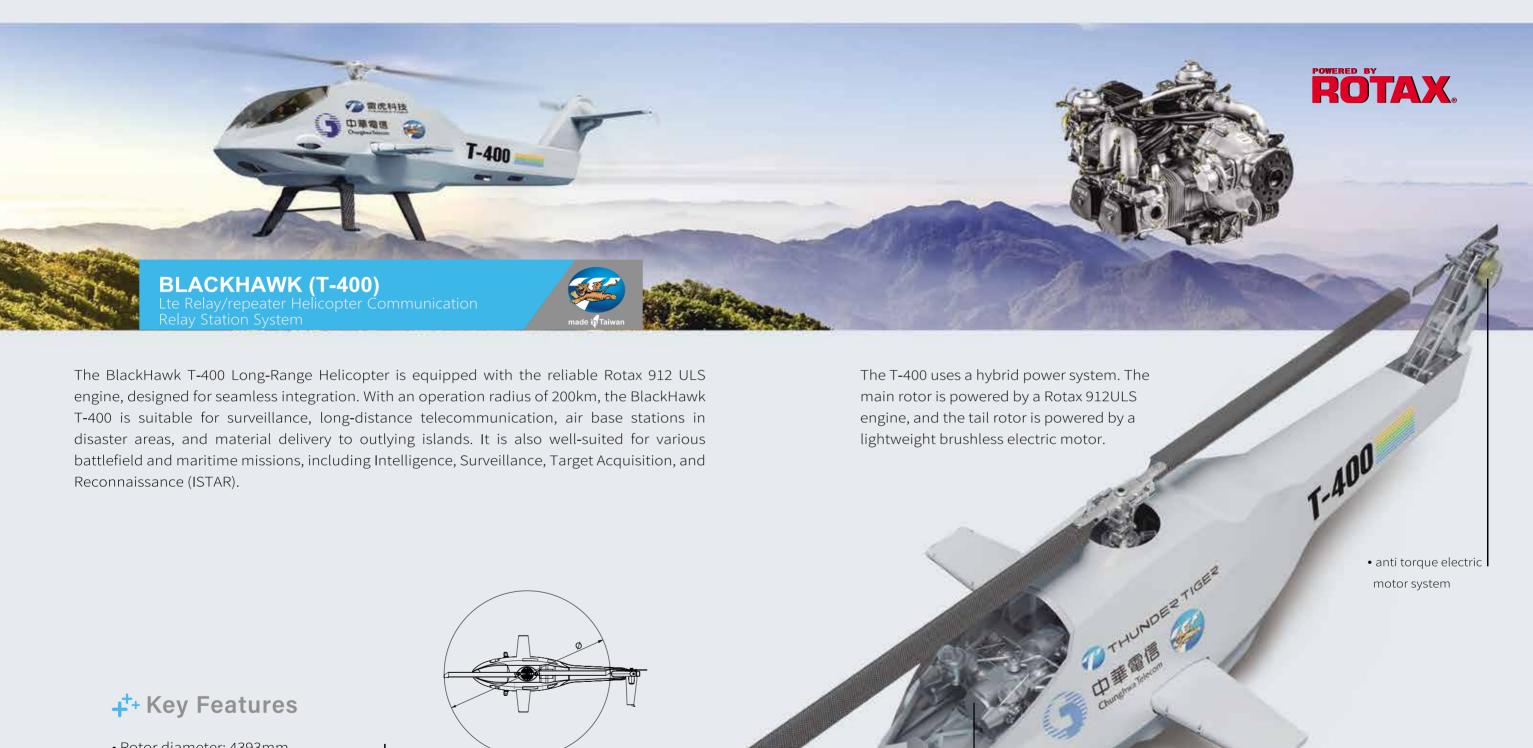


++ Key Features

- Length: 1.3m
- Max payload: Motor 3kg | Engine 5kg
- Maximum speed: Motor 100km/hr | Engine 150km/hr
- Endurance: Motor 30mins | Engine 75mins
- Max Range: Motor 60km | Engine 160km







- Rotor diameter: 4393mm
- Length: 4620mm
- Maximum take-off weight: 180Kg
- Maximum remote control distance: 250Km
- Maximum horizontal speed: 120km/hr
- Endurance: 360 minutes



by a rotax 912uls engine







The Tigershark 200 is a modern autonomous Unmanned Surface Vehicle (USV) designed for critical defense and security missions in maritime environments. This advanced USV is equipped with dependable navigation systems, various sensors, and effective communication technologies, enabling it to perform complex tasks with high precision.

Capable of remote operation or autonomous execution of pre-defined missions, the Tigershark 200 offers flexibility in various operational scenarios. It supports a wide range of maritime tasks, ensuring solid performance and reliability in defense and security applications. Its design emphasizes stealth and efficiency, allowing it to operate with minimal noise and a low radar signature. This reduces the likelihood of detection by adversaries, making it a valuable asset for covert operations.

+++ Key Features

- Length: 2346 mm
- Max Speed: 60 km/hr
- Payload: 80Kg
- Propulsion System: Motor
- Range: 30km



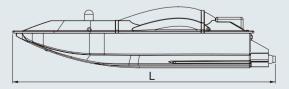


The Seashark 400 is an Autonomous Surface Vehicle (USV) constructed using aluminum press welded technology, designed for defense and security operations on the water's surface. It features advanced navigation and propulsion systems, along with a suite of sensors for tasks such as surveillance, reconnaissance, and communication relay. The vessel's customizable payloads allow it to be tailored to specific mission requirements, enhancing its versatility. Additionally, the Seashark 400 can be powered by either battery or gas, providing flexibility in energy sources.

++ Key Features

- Length: 4290mm
- Max Speed: 43 knots (80 km/h)
- Multi-mission capabilities
- Manned/unmanned modes of operations
- Low-risk operations
- Reduces naval procurement and operating costs
- Propulsion system: Engine/Motor
- Range: 150km
- Payload: Motor 150kg / Engine 250kg











The Seashark 600 excels in maritime tasks like surveillance, reconnaissance, and communication relay. Its advanced sensor suite allows for real-time monitoring and data collection, making it perfect for critical security operations. Powered by gasoline, the Seashark 600 ensures long endurance for extended missions. Additionally, its multi-purpose design and customizable payloads enable it to adapt to various mission requirements, enhancing its versatility and effectiveness.

As an aluminum press welded boat, the Seashark 600 benefits from exceptional durability and strength. Its lightweight design improves fuel efficiency and maneuverability, while its corrosion resistance reduces maintenance needs. These features make it a reliable and efficient choice for demanding maritime operations.

++ Key Features

- Length: 5492mm
- Max Speed: 43 knots (80 km/h)
- Multi-mission capabilities
- Manned/unmanned modes of operations
- Low-risk operations
- Reduces naval procurement and operating costs
- Propulsion system: Engine
- Range: 150km
- Payload: 400kg





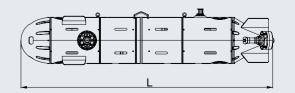
The Seawolf 400 is an Autonomous Underwater Vehicle (AUV) designed for both civilian and defense applications, including surveillance, strike operations, environmental preservation, and scientific exploration. This AUV can operate at depths of up to 200 meters underwater.

Our focus on open architectures and modularity simplifies the integration of various sensors and facilitates future upgrades, ensuring the Seawolf 400 remains adaptable and versatile for a wide range of missions.

+++ Key Features

- Length: 4000mm
- Weight: 1000 kg (2204.6 lb)
- Critical Infrastructure Protection
- Underwater Anti-Mine
- Search and rescue operations
- Intelligence, Surveillance, Reconnaissance (ISR)
- Harbor/Costal Surveillance and Protection





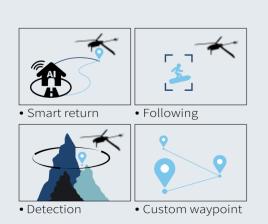






The Thunder Tiger Tactical Battleground Station 1 (TB-1) is designed for effective UAV management and control, offering features such as flight control, telemetry data monitoring, mission planning, payload management, communication systems, and a user-friendly interface. Compatible with portable devices depending on the mission requirements, the system becomes operational within minutes, making it ideal for combat and other high-stakes applications.

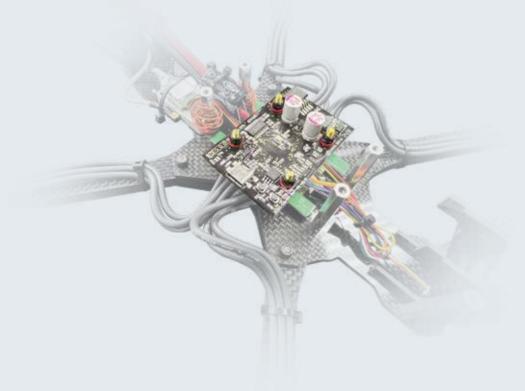
The TB-1 incorporates powerful Al-driven features, including object detection, tracking, following, and intelligent object avoidance. These capabilities utilize Al-powered computer vision to identify and monitor objects of interest, making the system invaluable for surveillance and reconnaissance missions. The Al following feature allows the UAV to autonomously track and follow a designated target, ensuring precise mission execution with minimal manual input.







Our flight control system (FCS) for UAVs is designed to ensure effective performance, safety, and reliability. It integrates key components such as an autopilot, various sensors (IMUs, GPS, altitude, and airspeed sensors), actuators, and capable onboard computers. These elements work together to provide precise control over the UAV's flight dynamics, enabling stable and accurate flight. Combine with our Ground Control System(GCS), the system supports GPS navigation, obstacle avoidance, and real-time data transmission to ground control stations, making it suitable for a wide range of applications, including surveillance, commercial and defense, search and rescue missions.









Thunder Tiger's Electronic Speed Controller (ESC) is a vital component for drones, expertly regulating the speed, direction, and braking of the motors. Acting as the bridge between the flight controller and the motors, the ESC translates the flight controller's commands into precise power levels. This ensures that the motors—known for their high efficiency and reliability—operate smoothly and responsively, allowing for accurate control of the drone's movements. The motors are engineered with precision to deliver robust performance and durability, capable of withstanding demanding flight conditions.





PRODUCT							
Motor Specification	2810	2812	3115	4214	6010	10012	10018
KV	900 rpm/V	980 rpm/V	900 rpm/V	660 rpm/V	170 rpm/V	120 rpm/V	77 rpm/V
Thrust	1.1kg	1.3kg	3.2 kg	6 kg	5.5kg	14.4kg	18.7 kg
Range	4 s	4 s	6 s	6-8 s	6-12 s	10-14 S	10-14 S
Max. Current	13 A	15 A	67.4 A	98 A	60 A	65 A	70 A
Max. Power	200 W	220 W	1665 W	2352 W	2500W	3000 W	3350 W
Weight	70g	75g	113 g	250 g	190g	590 g	765 g



The Thunder Tiger Engine PRO 120 GMAX is a high-quality model gasoline engine, renowned for its reliability and power. It features a displacement of 19.96 cc and delivers approximately 3.7 horsepower at 9,000 RPM. Built with dual ball bearings, it ensures smooth operation. The engine also includes Schnuerle porting to enhance performance by optimizing the fuel-air mixture flow. Its ABN (Aluminum, Brass, Nickel) construction provides durability and effective heat dissipation.

+++ Key Features

- Precision Engineering: Designed with meticulous attention to detail to ensure optimal performance and reliability.
- High-Quality Materials: Made from premium materials that enhance durability and longevity.
- Advanced Technology: Incorporates the latest engineering techniques and innovations for superior performance.

- Thunder Tiger Engines PRO 120 GMAX
- Output (BHP/RPM): 2.8/9000
- RPM: 1800~9500
- Bore: 31mm
- Weight: 815g
- Dimension: 106.2mm x 59mm x 117.5mm

