

real world empowerment moment of victory



FS701 UAV:Empowering Actual Combat,Securing Decisive Victories

FS701 High Speed Patrol+Flexible Maneuvering Tactical
Weapon for Mass Production





Application Scenarios

1. Anti-drone black flight response in ≤ 1 minute, low-altitude pursuit at 50-2000 meters, visual positioning and locking of black flight, and safe landing guidance to prevent intrusions into sensitive areas

2. Security and Counter-Terrorism-Urban Counter-Terrorism: High-speed tracking of suspicious targets with real-time video transmission-Border Patrol: Low-altitude surveillance across all areas with instant alerts for anomalies-Large Event Security: Comprehensive monitoring to fortify security defenses

3. Military light mission: Frontline reconnaissance and infiltration, precise supply of outposts, battlefield damage assessment, and support for asymmetric operations





Key technical parameters

Maximum speed: 300 km/h;
cruising speed: 80-150 km/h
Battery life ≥ 8 minutes

航程 ≥ 6 km

The aircraft can fly at altitudes of 50 to 2000 meters and withstand winds up to force 6, with a turning radius of 5 meters



Basic specifications: Weight 2.2kg

Size: 420mm \times 70mm

7-inch propeller

hand/ground dual takeoff

The frame is made of carbon fiber and aluminum alloy.

Guided Communication Vision + AI Lock
Custom Guidance, Strapdown Guidance

Operating at 2.4GHz frequency band, this system supports 10-20km line-of-sight communication with a minimum target resolution of 36x36 pixels. It maintains ≥ 3 seconds of payload capacity under occlusion conditions, capable of handling up to 500g payload (rated 300g). Powered by 5V/12V supply and featuring standardized interfaces.

Energy configuration 22.2V Removable lithium battery (3000-4000mAh) 20-minute fast charge

The BMS safety protection system operates in an environment with a temperature range of -20°C to 50°C.

Storage temperature: -30°C to 30°C. IP54 protection. Resistant to 95% humidity.



Central Trait

High-speed, flexible, and precisely scenario-adaptive: Core advantages include anti-drone operations, counter-terrorism security, and military light missions. Key features: Short training cycles, high reliability, and rapid deployment of combat-ready forces.

Core Advantage

Efficient adaptation and rapid combat readiness: Compatible with existing cross-country aircraft training systems, featuring interoperable controls for swift officer and soldier deployment, shortened training cycles, and seamless integration. Dual-capability fusion with top-tier performance: The composite wing power system achieves 100-300 km/h speed, combining high-speed patrol flight with quadcopter agility.

Operational capability across 50-2000 meters in all heights-Economical and versatile, adaptable to multiple scenarios: Modular design with 500g maximum load capacity, delivering high cost-effectiveness.

IP54 protection, with a wide temperature range of -20°C to 50°C;

With 95% humidity resistance and 6-level wind resistance, it has been proven in real-world applications to be stable and reliable.

With over 2000 hours of rigorous testing, it achieves 99.2% stability in complex environments, ensuring safety and reliability.

