

RECONNAISSANCE



2kg
Payload Capability



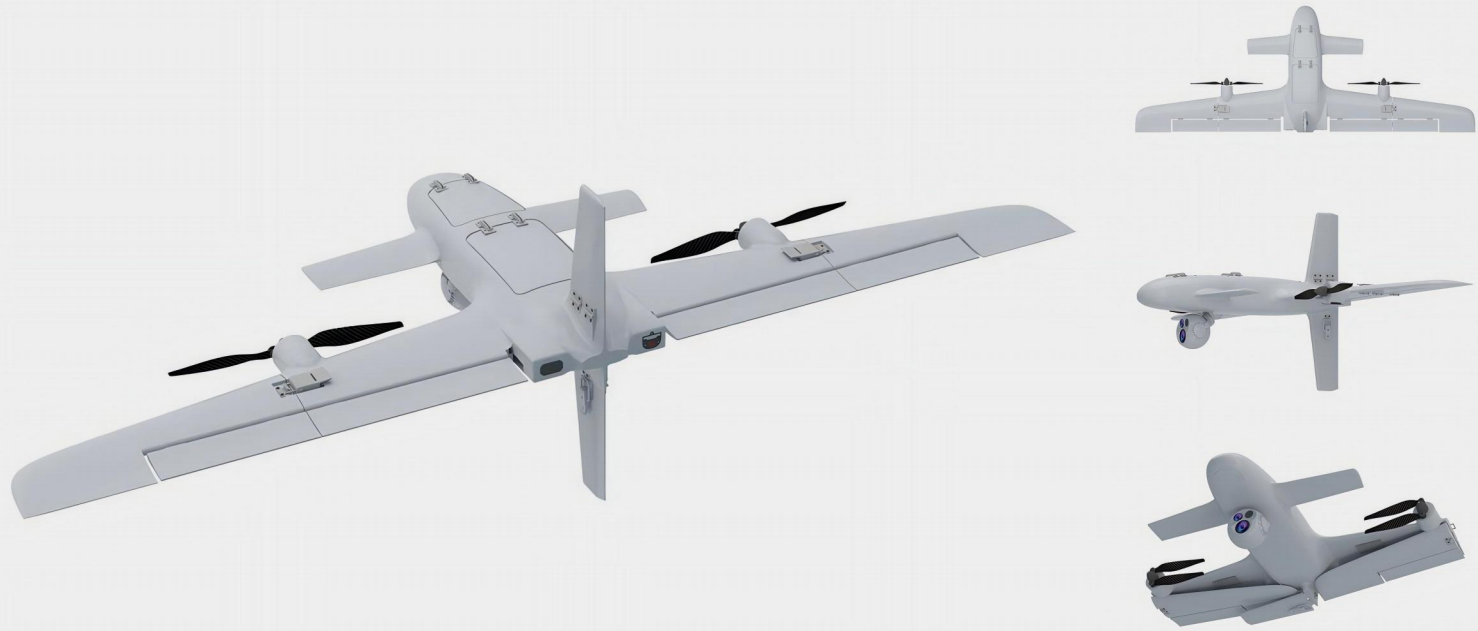
180 min / 120km
Endurance



4,000m
Takeoff Elevation



150km/h
Maximum Flight Speed



SHADOW STRIKER 1600

Wingspan/Fuselage Length: 1.60/0.60m	Folded Dimensions: 0.82 x 0.60 x 0.15m
Empty Weight: 3.4kg	Max Payload: 2kg
Endurance: 180min (EO/IR Gimbal)	Endurance Range: 120km
Loiter Speed: 80km/h	Top Speed: 150km/h
Takeoff Elevation: 4,000m	Packing Size: 0.85 x 0.63 x 0.26m



VTOL
Capability

Full autonomous
operation



Integrated ISR-
Strike System

Recoverable and
reusable platform



Precise geo-
location tracking

MULTI-PURPOSE TACTICAL UAV

This **tail-sitter Vertical Takeoff and Landing (VTOL) fixed-wing UAV** integrates military-grade technology for modern security, fire protection, and border control needs, standing out with four core advantages. Weighing under 10kg, it features second-level wing/tail folding for single-soldier portability and rapid deployment in unstructured areas like mountains or jungles. As a VTOL fixed-wing model, it enables terrain-independent takeoff/landing, automatic vertical-horizontal flight transition, and fully autonomous operation—boasting 180 minutes of endurance and a 100km reconnaissance radius to cover remote regions without frequent takeoffs. Equipped with a military-grade triple-optical payload, it delivers high-definition detection beyond 9km for precise target monitoring, while for fire scenarios, it identifies fire sources over 1km away and smoke beyond 10km to enable early hazard response. Additionally, it supports automatic landing, capture, and recovery via compact base stations, reducing labor costs and operational risks through full autonomy. Ideal as a border "long-range eye," mountain "sentinel," or fire "detector," this UAV offers lightweight, long-enduring, high-precision solutions to boost multi-field operational efficiency and safety.



Portability

Lightweight and portable: one operator can carry and launch the shadow striker with ease.



Drones folds and fits within compact case



One person can carry the drones easily



One person can carry/set up/launch/fly the drone

Advanced Camera

Take your military drone operations to the next level with our state-of-the-art camera accessory, engineered for superior long-range surveillance and tactical awareness.



Gain the advantage with exceptional detection capabilities—identify personnel up to 37.5 km, small vehicles at 115 km, and large vehicles at 245 km. For precise identification, count on recognition ranges of up to 9.3 km for personnel and over 60 km for larger targets. Featuring a 4.09-million-pixel sensor with powerful 30× optical and 4× digital zoom, this system delivers crystal-clear imagery even at extreme distances.

Built-in image stabilization with ±0.01° accuracy ensures unwavering visual clarity in dynamic flight environments. A highly accurate laser rangefinder (±0.3 m) extends your operational effectiveness with ranging from 5 to 2,000 meters. With 360° continuous rotation and a max rotation speed of 200°/s, this system responds instantly to shifting battlefield conditions—making it the ultimate tool for real-time intelligence, surveillance, and reconnaissance (ISR).