

SHADOWLEAF

MODULAR MULTI-MISSION UAV

KEY ADVANTAGE – the ability for the user to quickly change its operational purpose directly in the field.

The drone's airframe is made from advanced composite materials, making it less detectable by radar and thermal sensors. Its compact dimensions and low-noise operation make Shadowleaf nearly invisible during missions.

It comes equipped with a **3-axis gyro-stabilized** camera and a thermal imaging system.



SHADOWLEAF CAN PERFORM THE FOLLOWING MISSIONS:

ISR UAV

Conducts real-time intelligence, surveillance, and reconnaissance with high-quality imaging

IMITATOR

It can be used as a flying target, decoy, or disinformation platform.

EW SYSTEM COMPONENT

Detects and identifies transmitters, radars, and other electronic devices.

STEALTH SCOUT

Records data without live transmission — ideal for covert operations.

REPEATER

Extends MESH network coverage, ensuring reliable communications.



WEIGHT
up to 3 kg



FLIGHT DURATION
up to 2 hours



SPEED
15-30 m/s



RANGE
up to 30 km



MISSION RANGE
up to 110 km



CONTROL CHANNELS
up to 5



OPERATORS
One



DESIGN
Modular



PACKAGING
1 backpack



LAUNCH
Hand-launched



LANDING
Parachute



ANTENNA EXTENSION
up to 500 m



COMPATIBILITY
up to 6 terminals



DEPLOYMENT
up to 5 min



STABILITY
All-weather



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SHADOWLEAF

UAVSAVE Drone Technology for Mission Success

CONTROL CAPABILITIES AND CONFIGURATION OPTIONS

- The UAV is built on a modular platform, allowing configuration for specific tasks. Standardized mounting elements and UAV-CAN protocols enable quick replacement of mission modules without extensive modifications.
- The system can be operated via compatible third-party ground stations. A mobile phone or tablet with appropriate software may be used for route planning and data review, while an optional handheld control unit functions as a modem for receiving real-time flight metadata.
- For search and targeting missions, the UAV can be equipped with an advanced control terminal featuring payload interfaces and broadband communication, available in secure anti-jamming or simplified versions.
- The UAV supports one or two universal batteries shared with the control terminal. An integrated monitoring system tracks battery health and performance, ensuring accurate flight time estimation and reducing mission risks.
- Built-in self-diagnostics continuously monitor onboard systems, including aerodynamic loads, mission feasibility, and potential wing icing, helping prevent operational issues.



For more information:

www.uavsave.com

