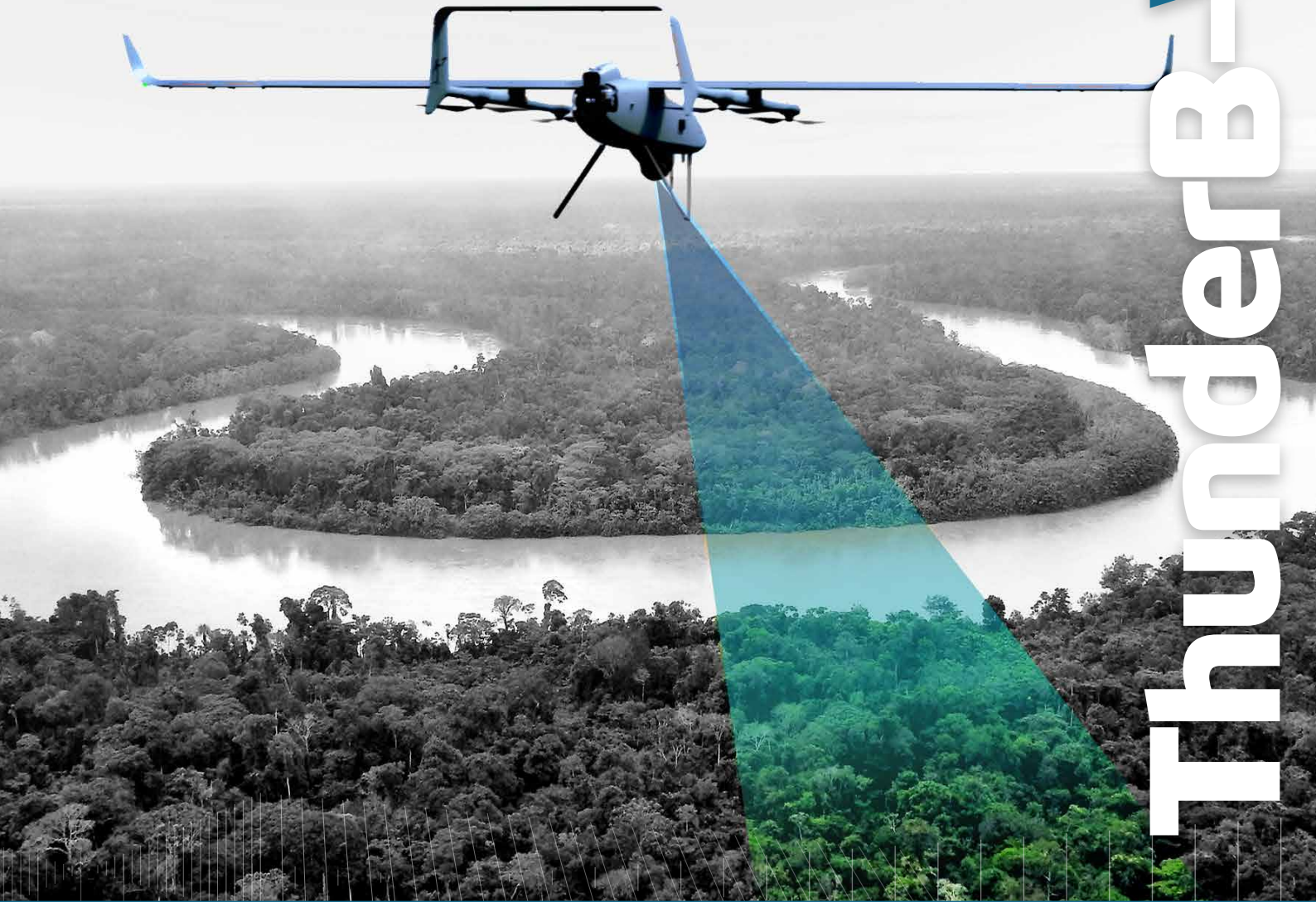


ThunderB-VTOL



Small Tactical Long-Range VTOL UAS

The ThunderB-VTOL is a small tactical hybrid Vertical Take Off and Landing (VTOL) UAS. It offers autonomous operation, long endurance and high operational flexibility. The ThunderB-VTOL UAS combines the advantages of a fixed wing UAV with the benefits of a multi-copter:

Fixed wing advantages - Extended endurance, high speed, ability to work in harsh environments, large area coverage and ability to glide to safe landing.

Multi-copter advantages - Ability to take off and land in small, limited areas (forest clearings, urban, etc.) and soft and accurate landing.

Key Features

VTOL | Pin-point vertical takeoff & landing in confined areas

Exceptional Performance | Endurance up to 12 hours, communication range of up to 150 Km with a digital link and tracking antenna

Mission Flexibility | Variety of high-performance sensors, comms & software algorithms for diverse missions

Covert Operation | Low acoustic, visual, thermal and radar signatures

GPS Denied Environment | Multi-layer protection against GPS Jamming for mission continuity in GPS denied environment

Advanced Datalinks | Mission continuity even in COMJAM environment - integrated 3 communication links

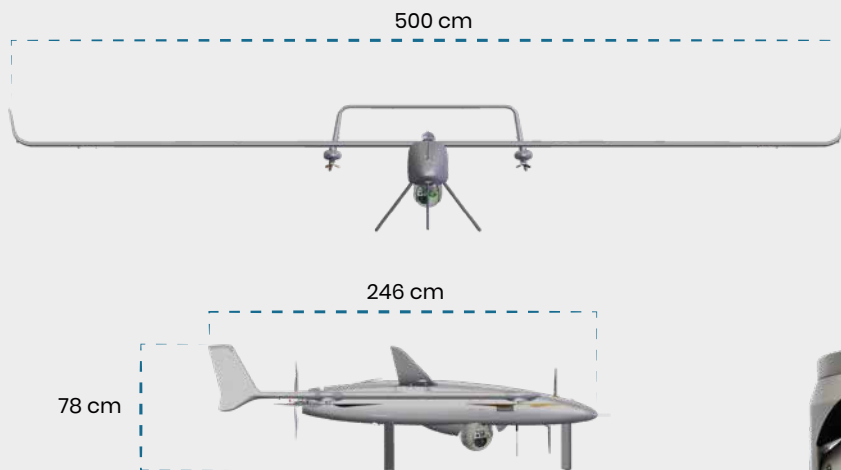
Robust System | Optimal operation in severe weather & extreme conditions

Easy to Operate | Rapid deployment, small crew of two, no need for prepared area

High Reliability | Multiple system redundancies and advance field-proven avionics

Low LCC | Low acquisition and maintenance costs

Dimensions



Specifications



MTOW
40 Kg



ENDURANCE
UP TO **12 Hrs**



COMM RANGE
UP TO **150 Km**



MAX SPEED
120 Km/h (65Kts)



PAYLOAD WEIGHT
4 - 8 kg

Operational Missions



Covert ISTAR



Artillery Support



Border Protection



3D/2D Hi-Res Mapping



Force Protection



Maritime Operations



Search and Rescue



Civilian Applications



Disaster Management



Law Enforcement

EO/IR

GYRO STABILIZED CAMERA
COOLED THERMAL IR SENSOR

