

**TEMPLEFORCE**



**RECOMMENDED & ENDORSED PRODUCT**

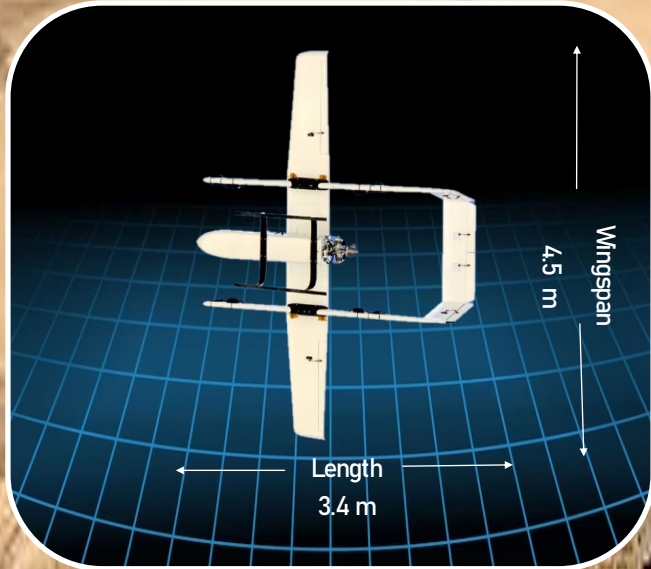


**BLACKHOLE - VTOL**

**INTELLIGENCE, SURVEILLANCE  
AND RECONNAISSANCE (ISR)**

## Purpose

Blackhole VTOL is an advanced UAS for Intelligence, Surveillance and Reconnaissance (ISR) operations, capable of Vertical Take-Off and Landing. It is designed for fully autonomous flight and landing with maximum endurance of 3.5–4 hours depending on configuration.



## Specifications

Features	
Range of action	200 km
Max. Flight Endurance	12 hrs
Maximum load	5 - 20 kg
MTOW	55 - 70 kg
Stalling Speed	55 km/h
Cruise Speed	70 - 120 km /h
Maximum Alt (MSL)	4.800 m
Fuel	A-95 mixed with Oil

## Satellite Communications

BMLOS communication

Real Time control over aircraft - satcom

View of near live video and imagery

Class 4 Swift Broadband offering full In-marsat hemisphere

Dynamic aircraft rerouting

GCS centered around the operator, providing feedback on telemetry.

Mobile Command Center modular solution

## Electro-Optical Infrared Gimbal Payload Options



High Performance and low SWaP

Continuous zoom HD EO and SD MWIR cameras

Onboard GPS/INS. No external IMU

Fully sealed, dry gas filled structure

720p HD video at 30fps

15x continuous optical zoom MWIR

Precision machined aluminium structure (no 3D printed parts used)

Onboard Target tracking, Scene steering

MSB compliant video stream with KLV metadata



**TEMPLEFORCE**



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