SPIRIT VTOL

VTOL HYBRID SURVEILLANCE UAV SYSTEM

Specifications

Role	Tactical Surveillance UAV
Wingspan	2.56 m (8.4 ft)
Length	1.61 m (5.28 ft)
Height	0.60 m (2.0 ft.)
Wing Area	2.45 sq. m (26.40 sq. ft.)
Dry Weight	16.5 kg (35.2 lb)
Max Take off weight	30 kg (66 lb)
Battery	Lithium Polymer & Li-Ion / Gasoline
Power plant	4 x BLDC Motor for VTOL & Single BLDC Motor / 30 - 50 CC Gas Engine
Speed Range	60 - 150 kmph (40 - 95 mph)
Range (GPS/Autonomous)	upto 70 km (45 miles)
Endurance	1.5 - 6 Hours
Recovery	Vertical Takeoff and Landing
Stabilization & Navigatoon	IFCS-5000 Integrated Flight Control System
Tracking & Telemetry	ID-TM6 GPS and Data Telemetry Module; GCS-1200P Ground Station; ATPS-1200 Antenna Tracking System
Payload Capacity	8 kg (17.6 lb)
Typical Payloads	HD EO/IR Zoom and Thermal cameras, SAR, Laser rangefinder, Three - axis gyro stabilized gimbal Live Video Feed and on-board recording

INTEGRATED DYNAMICS

Document Part Number: SPIRIT VTOL /091116

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