

SPIRIT

PERIMETER MONITORING UAV SYSTEM



Specifications:

Role	Perimeter monitoring & surveillance.
Wingspan	2.58 m (8 ft.)
Length	1.61m (5 ft.)
Height	0.26 m (0.83ft.)
Wing Area	0.75 sq. m (6.66 sq. ft.)
Dry Weight	<3 kg (6.6 lb)
Max Take off weight	5.0 kg (11 lb)
Propulsion	BLDC electric motor
Speed Range	30-100 kmph (20 – 60 mph)
Launch	Hand launch.
Range (GPS/Autonomous)	10-15 km (9-10 miles)
Endurance	60-90 min. (Depending on battery capacity and throttle management)
Recovery	Belly landing/Deep stall
Stabilization	ID-AP 2000 C Digital Autopilot
Tracking & Telemetry	Video, GPS and data telemetry module with Laptop PC Ground Station
Payload Capacity	0.7 kg (1.54 lb)
Typical Payloads	Daylight/IR cameras. Still camera module.