

Optimus - Close Range UAV



Optimus is a Close Range UAV is used for monitoring as well as search missions. The endurance of Close Range UAV is about 8 to 10 hours of flight within a radius of 50km with both day and night flying capabilities, providing live video coverage.

Optimus UAV is useful in many kinds of situations in suburban and rural environments where access by ground is either difficult or dangerous such as Mangrove Eco Systems Monitoring, Wild Life Census and Tracking, Fire damage Assessment, Pest Control, Agriculture, Natural Disaster, Media and Sports.

KEY FEATURES

- Close Range (25 – 50 Km)
- Long Endurance (8-10 Hours)
- Day/Night Capable
- Gyro-Stabilized Day/Night Payload
- Portable Ground Control/Monitoring Station
- Take-off/Landing by Internal Pilot



SYSTEM SPECIFICATIONS

Specifications:

Wing Span:	4.12 m	13.5 ft
Length:	3.0 m	10. ft
Max Weight		
Take-off:	28.0 kg	61.8 lbs
Payload:	2.5 kg	5.5 lbs
Fuel Capacity:	14.5 liter	

Flight Performance:

Max Speed:	100.0 km/h	54.0 kt
Cruise Speed:	70.0 km/h	38.0 kt
Ceiling:	3,000 m	10,000 ft
Endurance:	8~10 hrs	
Range:	50+ km	

Applications:

- Environmental Monitoring
 - Glacier and Ice Sheet Dynamics*
- Coastal - Ocean Observations
 - Mangrove Eco Systems Monitoring*
- Wild Life Tracking/Monitoring
 - Wild Life Census*
 - Wild Life Tracking*
- Forestry/Agriculture
 - Fire Damage Assessment*
 - Crop Spray*
 - Pest Control & Monitoring*
- Aerial Survey
 - Crop Monitoring*
 - Remote Area Survey*
- Inspection & Monitoring
 - Security Monitoring*
 - Narcotics Monitoring & Control*
 - Oil & Gas Field/Rig Monitoring*
 - Oil Spill Monitoring*
 - Boarder Area Surveillance*
 - Natural Disaster Assessment*
- Media & Sports
 - News/Sports Coverage*
 - Aerial Photography*
 - Live Coverage*

ENGINEERING SYSTEMS PAK

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