

Pelican - Short Range UAV



This is a state of the art, short range UAV to be employed for real time Environmental Monitoring, Coastal & Ocean Observations, Wild Life Tracking & Monitoring, Forestry & Agriculture, Inspection & Monitoring and Aerial Survey.

It is operated from the Ground Communication Station (GCS). The system has proven to be very reliable and is extremely easy to operate and maintain.

KEY FEATURES

- Operational Range 100 km
- Endurance: 6 hrs
- Maximum ceiling 12,000 ft
- Conventional wheel landing with provision of emergency parachute system
- All composite carbon and glass epoxy reinforced structure
- Operated by a 2 console GCS using custom designed software with auto-tracking antenna system

SYSTEM SPECIFICATIONS

Specifications:

Wing Span:	5.5 m	18.0 ft
Length:	3.8 m	12.5 ft
Max Weight		
Take-off:	145.0 kg	320.0 lbs
Payload:	25.0 kg	55.0 lbs
Fuel Capacity:	40.0 liter	

Flight Performance:

Max Speed:	150.0 km/	80.0 kt
Cruise Speed:	110.0 km/h	60.0 kt
Ceiling:	3,600 m	12,000 ft
Endurance:	5~6 hrs	
Range:	100+ km	

Applications:

- Environmental Monitoring
 - Air Quality Monitoring*
 - Fire Emission & Plume Measurements*
- Coastal - Ocean Observations
 - Coastal Life Monitoring*
 - Erosion*
 - Mangrove Eco Systems Monitoring*
- Wild Life Tracking/Monitoring
 - Anti-Poaching Monitoring*
 - Wild Life Census*
- Forestry/Agriculture
 - Fire Damage Assessment*
 - Monitoring of Logging Operations*
 - Invasive Plant Assessment*
 - Crop Spray*
 - Pest Control & Monitoring*
- Aerial Survey
 - Terrain Mapping*
 - Oil/Gas/Mineral Exploration*
 - Crop Monitoring*
 - Remote Area Survey*
- Inspection & Monitoring
 - Security Monitoring*
 - Narcotics Monitoring & Control*
 - Oil & Gas Pipeline Inspection*
 - Power Line Inspection*
 - Oil & Gas Field/Rig Monitoring*
 - Oil Spill Monitoring*
 - Boarder Area Surveillance*
 - Natural Disaster Assessment*



ENGINEERING SYSTEMS PAK

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