

RotoVigil - Rotary Wing Platform



RotoVigil is a multi-rotor over the hill, around the corner, Low Altitude UAV for use in Urban Environment for Monitoring & Search Missions, Wild Life Tracking, Pest Control, Narcotics Monitoring, Natural Disaster, Media & Sports and Crop Monitoring.

It can operate day and night. It has a low visual and acoustic signatures, with Color/IR camera on Gyro stabilized gimbal. RotoVigil can be controlled with portable Multi-screen Ground Communication Station with Vertical Take-off and Landing.

KEY FEATURES

- Surveillance in Urban Environment
- Monitoring & Search Missions
- Day and Night flight operations
- Low visual and acoustic signatures
- Color/IR camera on Gyro stabilized gimbal
- Portable Multi-screen Ground Control Station
- Vertical Take-off and Landing



SYSTEM SPECIFICATIONS

Specifications:

Width:	800 mm	2.62 ft
Length:	320 mm	1.0 ft
Max Weight		
Take-off:	6~8 kg	13~18 lbs
Payload:	2.5 kg	5.5 lbs
Range:	1~2 km	

Salient Features:

- Gyro Stabilized Gimbal with Video/IR Sensors
- Light Weight Composite Structure
- Rapid Assembly & Disassembly
- 2-Bladed Propeller
- Multi-Rotor Design
- BLDC Motor

Applications:

- Environmental Monitoring
 - Glacier and Ice Sheet Dynamics*
- Coastal - Ocean Observations
 - Mangrove Eco Systems Monitoring*
- Wild Life Tracking/Monitoring
 - Wild Life Tracking*
- Forestry/Agriculture
 - Pest Control & Monitoring*
- Aerial Survey
 - Crop Monitoring*
- Inspection & Monitoring
 - Security Monitoring*
 - Narcotics Monitoring & Control*
 - Natural Disaster Assessment*
- Media & Sports
 - News/Sports Coverage*
 - Aerial Photography*
 - Live Coverage*