# DH-X6 - Hexa Rotor UAV

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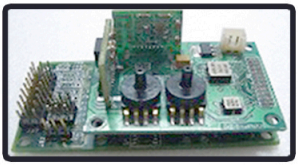
Unmanned Systems Pvt Ltd.

- DH-X6 is VTOL, man pack UAS that is ideal for providing frontline troops with increased situational awareness
- This is easy to deploy, easy to use system is designed for fully autonomous Operations from launch through Mission Execution and Recovery
- The UAS is equipped with a number of mission payloads
- The system has been extensively tested in rural urban and marine environments
- Acoustic payloads for Gunshot detection



## DH-X6 is a Single Man Portable Micro UAV

### PAYLOAD OPTIONS

- Dual Electro Optic Cameras Front and side look with Optical zoom Lock on targeting and tracking capability
- Two Axis Retractable Stabilized Gimbal with Electro Optic Camera Stabilization Axis: Azimuth and Elevation Lock on targeting and tracking capability.

## TARGET GROUPS

- Police
- Government & Military
- Research Institutes
- Universites
- Media
- Fire Fighters

## OPERATION AND DEPLOYMENT

- Police & Security
- Maritime Patrol
- Search and Rescue
- Scientific Research
- Sports Events
- Surveyors
- Commercial Aerial Surveillance
- Oil, Gas and Mineral Exploration & Production

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### Telemetry Data Link

- Full Duplex Digital Data Link
- Jam Resistant (FHSS)

### VIDEO Downlink

- Analog Downlink
- Optional Digital Downlink

### Unmanned Aerial Vehicle (UAV)

| | | |
|---|---|---|
| Maximum Takeoff Weight | : | < 4 kg |
| Time to assemble | : | < 5 minutes |
| Operational foot print | : | Single back pack operations |
| Total weight of the system | : | 6-8 Kgs |
| Endurance | : | 40 to 60 minutes |
| Range | : | 2-5 kms |
| Propulsion | : | Electric motor folding propellers |
| Power source | : | Li-Po Batteries |
| Cruise speed | : | 55-60 Kmph |
| Mission capability | : | Fully autonomous |
| Maximum continuous winds | : | 25kmph |
| Operational altitude | : | 300ft to 1,000ft AGL |
| Maximum Dimension | : | 1m |

## MAIN FEATURES

- Fully autonomous operations with pre-set search patterns
- Ruggedized Ground control Station for harsh environments
- Electric propulsion - convert operations
- Low noise, Low visibility, Low operational footprint
- Zero tool assembly of airframe
- All terrain launch and recovery

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