

Key Features :

1. All composite material UAV airframe to reduce radar detection
2. Digital map operation
3. Pre-flight path analysis
4. Control command for autonomous flight and real time flight path change
5. Data and image real time transfer
6. Flight data analysis and database record
7. Digital image data transfers directly from ground control station to head office of mission control center
8. Real-time image data transfers from ground control station directly to mission center

UAV system consists of :

1. Vehicle

- All composite material
- Twin-cylinder high performance piston engine
- Autopilot and INS/GPS/AHRS navigation system
- On-board telemetry system (effective flight range over 100 km)

2. Payload

- High performance color CCD TV camera
- 3-axis gyro stabilized gimbals

3. Ground control station (GCS)

- Transport cargo van
- DC generator
- Computers -- Flight attitude display, real-time digital video image display and recorder (training system only has flight attitude display).
- Ground telemetry receiver system and antenna

- Transport container (TC) for UAVs

4. General information of vehicle

- Wingspan : 500 cm
- Length : 400 cm
- Height : 150 cm
- Max TO weight : 120 kg
- Power plant : 20 hp
- Electrical power : DC generator
- Payload : 25(+) kg
- Endurance : 3 hrs
- Maximum speed : 115 knots (215 km/hr)
- Cruise speed : 75 knots (140 km/hr)
- Ceiling altitude : ~ 3,000 m
- Radius of operation : > 100 km