

Spy Owl 200

Research Version

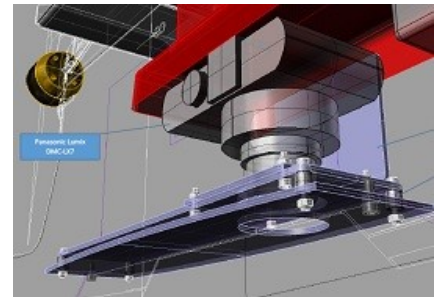
Solution

We offer a complete Unmanned Aircraft System (UAS) portable solution which contains all the parts needed for your research projects. The package consists of one (1) full composite fixed wing airframe fully installed with autopilot, data link, engine, ESC, two (2) hours propulsion battery, professional servos, software part of Autopilot Developers Kit and our well proven SkyView GCS Developer software. The solution is aimed specifically for research applications and is very cost-effective. This is achieved through agile and responsive development, which gives customers most value for the money.



Airframe

The fully composite fixed wing airframe is a small unmanned aircraft specially designed to be operated in research missions. It is fitted with a long endurance electric motor and can be hand launched and recovered on any flat terrain.



Autopilot - EasyPilot 3.0

The included autopilot, SkyView EasyPilot 3.0, contains all components necessary to control the vehicle, including GPS navigation, IMU, expansion ports. Full automatic start and landing capability.

SkyView GCS Developer software

Our easy to use Ground Control Station software which allow you to customize your entire Ground Control Station interface. SkyView GCS Developer software together with the EasyPilot 3.0 does all the background processing needed to fly the vehicle.



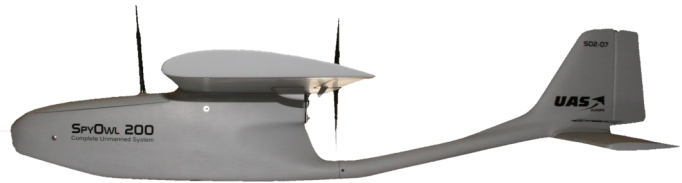
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Specifications

1 x Unmanned Aircraft

- Wing span: 2.01 m (79.1 inches)
- Length: 1.53 m (60.2 inches)
- Cruise Airspeed: 14 - 22 m/s (50 - 79 km/h or 27 - 43 knots)
- Maximum Airspeed: 40 m/s (144 km/h or 78 knots)
- MTOW - Hand Launched: 6.5 kg (14.3 lbs.)
- Endurance: Standard up to 2 hours. Optionally up to 3 hour with extra long endurance battery
- Max payload including batteries: 2.7 kg (5.9 lbs.)
- Typical mission altitude 75-1500 m AGL
- Typical scan performance: 1000ha (10km²) at 150m AGL in 50 minutes
- Very robust composite structure
- Hand launched
- Belly landing
- Laser altitude meter for accurate automatic landing



1 x Autopilot

- SkyView EasyPilot 3.0 Autopilot
- Sensor and data processing (IMU, magnetometer, GPS, altimeter, airspeed sensor, etc)
- Flight management and communication (control or navigation algorithms, payload management, communications, etc)
- Serial port for payloads or data storage
- Payload control capability by serial port or servo PWM.
- Software part of Autopilot Developers Kit



1 x Ground Control Station software

- SkyView GCS Developer software included, NATO STANAG 4586 compliant
- Control by joystick or SkyView GCS
- Long range air and ground modem included
- Available in 2.4 GHz (25Km LOS), 869 MHz (50Km LOS) or 900 MHz (50 Km) versions.
- Mission, Loiter, Flight Director, Stabilized, Launch and Landing steering modes