

# 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, professional servos, RC-link and the well proven Portable GCS with the SkyView GCS Operator 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.



### Portable GCS with SkyView GCS software

Portable GCS is a easy to use rugged Ground Control Station computer equipped with sun-readable display. The included SkyView GCS Operator software together with the EasyPilot 3.0 does all the background processing needed to fly the vehicle.



# Spy Owl 200

## Research Version

### Specifications

#### 1 x Unmanned Aircraft

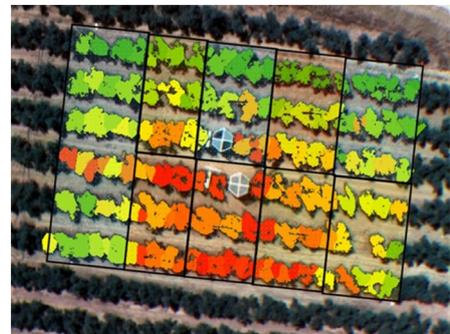
- Wing span: 2.01 m (79.1 inches)
- Length: 1.53 m (60.2 inches)
- Cruise Airspeed: 20 m/s (39 knots)
- Maximum Airspeed: 40 m/s (78 knots)
- MTOW - Hand Launched: 6.5 kg (14.3 lbs.)
- MTOW - Catapult Launched: 8.5 kg (18.7 lbs.)
- Endurance: up to 1 hour (optional 1 hour and 40 minutes)
- Max payload - Hand Launched: 1.7 kg
- Max payload - Catapult Launched: 3.7 kg
- Typical mission altitude 75-1500 m AGL
- Typical scan performance: 1000ha (10km<sup>2</sup>) at 150m AGL in 50 minutes
- Very robust composite structure
- Hand launched or optionally catapult launched. Belly landing
- Optional laser altitude meter for accurate automatic landing



NOTE: Due to LiPo shipping regulations, 5-cell LiPo battery (>10,000 mAh) with EC5 discharge plug is not included and must be purchased separately by the customer from a recommended battery manufacturer.

#### 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.



#### 1 x Portable Ground Control Station

- Ruggedized SkyView GCS Portable Computer with integrated MPEG-4 video server included
- SkyView GCS Operator 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



sales@uas-europe.com - www.uas-europe.se - +46 (0)13 - 560 22 40  
UAS Europe AB - Torvingegatan 13 - SE582 78 Linköping - Sweden