

Spy Owl 200

Standard Surveillance Version

Solution

We offer a complete Unmanned Aircraft System (UAS) portable solution which contains all the parts needed for your standard surveillance applications. The package consists of one (1) full composite fixed wing airframe fully installed with retractable digitally stabilized EO gimbal, autopilot, laser altitude meter, data link, digital video link, engine, ESC, two (2) hour propulsion battery, professional servos and laptop with the SkyView GCS Operator software. The solution is aimed specifically for surveillance applications and is very cost-effective. This is achieved through agile and responsive development, which gives customers most value for the money.



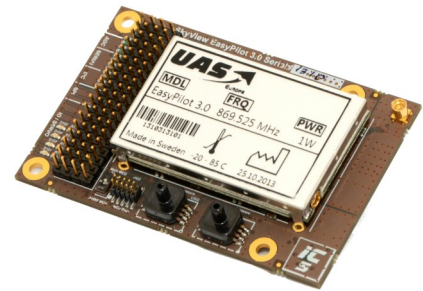
Airframe

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



Retractable digitally stabilized EO gimbal

The aircraft is supplied with a ready to use retractable digitally stabilized EO gimbal. Digitally stabilizes video, dramatically reducing unwanted horizontal, vertical, and rotational motion. Digital video link (best configuration) up to 16 km LOS is included.



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 Ground Control Station

New laptop or refurbished Panasonic Toughbook. Optionally Portable GCS which 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.



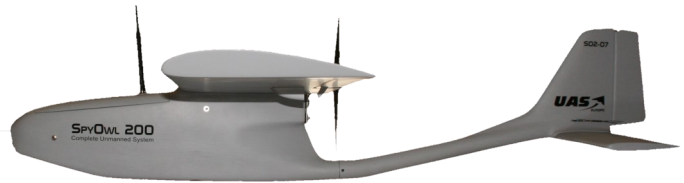
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Specifications

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: Up to 2 hours
- Max payload including batteries: 2.7 kg (5.9 lbs.)
- Typical mission altitude 75-1500 m AGL
- Very robust composite structure
- Hand launched
- Belly landing
- Laser altitude meter for accurate automatic landing



1 x Digitally stabilized EO gimbal

- 120x Zoom Ratio (10x Optical, 12x Digital)
- Horizontal Viewing Angle: 46° (wide) to 4.6° (tele)
- PAL or NTSC
- Retractable
- Digital video link (best configuration) up to 16 km LOS



1 x Autopilot

- SkyView EasyPilot 3.0 Autopilot
- Sensor and data processing
- Flight management and communication
- Serial port for payloads or data storage
- Payload control capability by serial port or servo PWM.

1 x Portable Ground Control Station

- New laptop or refurbished Panasonic Toughbook
- SkyView GCS Operator software included, NATO STANAG 4586 compliant
- Control by gamepad or SkyView GCS
- Command & Control data link included. Up to 50 km LOS. Available in 2.4 GHz (25Km LOS), 869 MHz (50Km LOS) or 900 MHz (50 Km) versions.
- Digital video link receiver box on telescopic stand.
- Mission, Loiter, Flight Director, Stabilized, Launch and Landing steering modes