

LONG-ENDURANCE ISR UAS

Silent Falcon Solar-Electric UAS

Solar-electric long-endurance fixed-wing UAS supplied as a complete sales package: two factory-new airframes, integrated ground control station, and both EO/IR and mapping payloads. Purchased new in 2021 and never flown.



AT A GLANCE

MANUFACTURER

Silent Falcon, USA

YEAR

Purchased 2021

ENDURANCE

Up to 5 hrs

STATUS

Never flown

Key Specifications

MANUFACTURER	Silent Falcon UAS Technologies, USA
CLASS	Group 2 long-endurance fixed-wing UAS
RANGE	Up to 45 km LOS (100 km with tracking antenna)
ENDURANCE	Up to 5 hrs solar-assisted / ~3 hrs battery-only
SPEED	Loiter 50 km/h (27 kt) · Max 60 km/h (32 kt)
SERVICE CEILING	Up to 6,000 m (20,000 ft)
WINGSPAN	4.2 m (13 ft 11 in)
GTOW	17.2 kg (38 lbs)
PAYLOAD CAPACITY	3 kg (6.6 lbs)
AUTOPILOT	MicroPilot MP2128 g2
DATALINK	Silvus StreamCaster 4200 MIMO (MANET mesh)
LAUNCH / RECOVERY	5 m pneumatic launcher / parachute recovery
POWER	Li-Ion battery + thin-film solar PV

Configuration & Inclusions

- Two complete Silent Falcon airframes (never flown)
- Silent Vision Ground Control Station in rugged Pelican case
- Dual rugged laptops with central monitor and Horizon™ GCS software
- Silvus StreamCaster radio interface (secure MANET mesh)
- Ascent Vision CM100 EO/IR stabilised gimbal payload
- Silent Falcon mapping camera payload
- 5 m pneumatic launcher and portable air compressor
- Full set of fitted transport cases for system and spares

Provenance and Documentation

Purchased new from Silent Falcon UAS Technologies in 2021 and held in controlled storage in the United Kingdom since delivery. Both airframes remain in factory condition with zero recorded flight hours. Sale is brokered by UAV Brokerage Group on behalf of the registered owner. Full provenance, original purchase documentation and end-user history available to verified buyers under NDA. Export licensing and re-transfer compliance support available on request.