



STRIX - Mini Unmanned Aerial System (UAS)

STRIX is an electrical Mini UAS. It can be launched by hand or by catapult, and has been specifically designed to fly high & silent in support of tactical units providing intelligence and local situational awareness. The STRIX UAS is man portable in a compact lightweight backpack, which includes ground control station and antenna. STRIX can be operated in automatic or semi automatic modes and is programmed through its ground control station. The payload can be controlled manually at any time during the flight.

TYPICAL APPLICATIONS

- Force Protection Aerial Surveillance System
- Force protection battlespace
- Urban operations
- Area surveillance
- Support to special ops
- Patrolling base perimeter
- Patrolling runway proximity
- Convoy Over-Watch.



Ruggedised Ground Control Station

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AIR VEHICLE TECHNICAL SPECIFICATIONS

Wingspan:	3 m/10 ft
Length:	1.17 m/3.84 ft
Height:	0.30m/1.00 ft
Max Payload weight:	1.5 kg /3.3 lb
Data Link Range:	10.0 Km/6.2miles
Day and night operational capability:	35km (21,75 miles)
	LOS Range
Operational Speed:	35 kt
Speed range:	11-25 m/s
Altitude:	3200 m ASL
Max Rate of climb:	4 m/sec - 13 ft/sec
Max endurance:	2.25 hrs (135 min)
	@ cruise condition

PAYLOADS SPECIFICATIONS

STABILIZED PLATFORM

2 gimbals system for pan and tilt

Field of manoeuvre

pan : -90° <> +90°

tilt : -90° <> +90°

Angular velocity: 120 °/s

DAY/NIGHT CAMERA

CCD TOTAL PIXEL: 537(H) X 597(V) pixel

Auto focus

Zoom: optical : 10x (Day) 6x (Night)

digital : 10x (Day) 6x (Night)

Field of view: wide: 62°

tele: 7°

Video standard: PAL

Min illumination: 2,5 Lux

@F1.2; 0,07 Lux

F1.2 Star light mode

(The day/night camera switches automatically from day to night mode when the level of light fall down under 2.5lux)

S/N ratio: > 48 dB

Video output: 1.0 Vp-p

75 W, composite

Refresh frequency rate: 25 Hz

as per PAL standard

FEATURES

- Man portable back pack
- Ready to fly in less than 6 minutes
- Launched by hand or hand held catapult
- Low speed spiral descent landing
- Fast turn around
- Payload exchange in less than 1 minute
- Low noise signature

Complete Backpack weight: 20 kg. ± 10 %

- 1 Aircraft Ready to Fly @ MTOW
- 1 Camera Payloads
- 1 GCS (including ground data link for the video and the telemetry data with the related antennas)
- 1 Back Pack (including system user manuals).



Optical assembly operation



Typical Ground Control Station Layout



For more information please email sales.marketing@selexgalileo.com

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