



Unmanned Aerial Platform with vertical take-off and landing capabilities.

SkyEye Sierra VTOL



elevonX
PROFESSIONAL UAV SOLUTIONS

AGRICULTURE

TERRAIN
MAPPING

FORREST
MONITORING

SEARCH
AND RESCUE

BORDER
PROTECTION

PROTECTION
OF FACILITIES

ARMY

POLICE

HUMANITARIAN
ORGANIZATIONS

URGENT
TRANSPORT



VTOL



EASE OF USE

Completely autonomous operation including vertical takeoff and landing for minimum operator load.

CARGO SPACE

Cargo space has dimensions of 26 x 16 x 14 cm in which it is possible to install one or more different cameras up to a total weight of 3 kg.

DO IT ALL

- day/night surveillance
- mapping
- multispectral w
- LIDAR
- customer specific demands

UNCOMPROMISED SAFETY

Composite structure made of aircraft certified materials and integrated safety parachute.

CONNECTIVITY

From ad hoc local wireless network to 4G LTE - system connectivity can be tailored to Your workflow.



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TECHNICAL DATA

Physical

Aircraft Weight (Max)	13.5 kg
Wingspan	3.1 m
Length	1.58 m
Height	0.65 m
Propulsion	Electric or Electric+Gas

Payload

Payload Weight (Max)	3 kg
Payload Options	Mapping, multi spectral, surveillance, LIDAR, custom payloads
Payload Bay Dimensions (Max)	26 x 16 x 14 cm
Payload Power (Max)	15W @ 5V and 35W @ 12V (Mauch Premium line) Stronger power supply on demand

Communications

Frequency (Main)	1.6 - 2.5 GHz
Range (Main)	5 km line of sight
Bandwidth (Main)	6 Mbps
Frequency (Redundant)	868 MHz, 900 MHz or 915 MHz
Range (Redundant)	20+ km line of sight

Flight

Airspeed (Cruise)	18 m/s (65 km/h)
Airspeed (Max)	30 m/s (110 km/h)
Wind Resistance	12 m/s (45 km/h)
Range (at Cruise)	190 km Electric - 320 km Gas
Endurance (at Cruise & w.o. payload)	3 hrs. Electric - 5 hrs. Gas

Operations

Take-off and landing place	10 x 10 m autonomous, 5 x 5 m operator assisted
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