


**CLOUD
CONNECTION**

**AI
FEATURES**

**5G
CONNECTIVITY**


SKYLANE

The most versatile VTOL solution with **AI**, **5G** and **SATCOM** onboard

Designed and optimised for extra long-range BVLOS flight operations. Perfect solution for delivery service and long-endurance ISR missions. Capable of carrying a payload in a form of cargo or high-value sensors with state-of-the-art optics. Featuring AIRLink onboard, SkyLane supports fully-autonomous flights with real-time video streaming, AI, 5G, cloud connectivity and much more.

AIRCRAFT SPECIFICATIONS

SKYLANE 480	SKYLANE 650	
4800	6500	Wingspan, mm
65	200	Maximum take off weight, kg
10	14	Endurance, hours
1000	1400	Range, km

POWERED BY AIRLINK

AIRLink stands for Artificial Intelligence & Remote Link. The unit includes cutting-edge drone autopilot, AI mission computer and 5G connectivity unit.

AI INTELLIGENCE



- ✓ Objects detection, identification, classification, recognition and tracking
- ✓ Automatic Number Plate Recognition
- ✓ Predictive Threat Analysis - Algorithms to detect and classify targets in real time
- ✓ GNSS Denied navigation Visual-based positioning in non-GPS environments
- ✓ Scalable solution with an option to run multiple aircrafts simultaneously



TECHNICAL SPECIFICATIONS

SKYLANE Endurance series are long-endurance tail-pushed VTOL with high efficiency specifically designed for long-range inspection, surveillance and reconnaissance jobs. They can stay in the air for over 14 hours and cover a hundreds of kilometers on a single tank of fuel.

Parameter	SKYLANE 480H	SKYLANE 650H
Application	ISR / Mapping	ISR / Mapping
Propulsion	Hybrid	Hybrid
Wingspan	4800 mm	6500 mm
Length	2580 mm	3265 mm
Material	Carbon Fiber	Carbon Fiber
Empty weight (no batt / fuel)	18.4 kg	55.0 kg
Max. take-off weight	60 kg	160 kg
Maximum payload (ex battery)	15 kg	45 kg
Endurance	12.0h, no payload 8.0h, 15 kg payload	14.0h, no payload 7.0h, 45 kg payload
Cruise speed	32 m/s	35 m/s
Max speed	48 m/s	50 m/s
Stall speed	25 m/s	28 m/s
Max take-off altitude	4000 m	3500 m
Battery	3x14S 10000 mAh 1x6S 12000 mAh (9.6kg)	6x12S 10000 mAh 1x7S 10000 mAh (18.0kg)
Wind resistance Fixed wing Mode	Up to 15m/s	Up to 17/s
Wind resistance VTOL	Up to 8m/s	Up to 8m/s
Operating temperature	-20...+45°C	-20...+45°C
Operating voltage	6S, 14S	7S, 12S
Carrying case, mm	1860 x 1150 x 770	2450 x 1440 x 1430

