



CLOUD
CONNECTION



AI
FEATURES



5G
CONNECTIVITY

SKYLANE

The most versatile VTOL solution with AI and 5G onboard

Designed and optimised for long-range BVLOS flight operations. Perfect solution for delivery service and long-distance inspections. 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-250	SKYLANE-320	SKYLANE-350	
2500	3200	3500	mm wingspan
15.0	25.0	35.0	kg weight
2.5	3.5	5.5	hours endurance
250	350	500	km flight range

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-250, SKYLANE-320 and SKYLANE-350 are long-endurance tail-pushed VTOL with high efficiency specifically designed for long-range delivery, inspection, surveillance and mapping jobs. They can stay in the air for a few hours and cover a few hundreds of kilometers on a single battery charge.

Parameter	SKYLANE 250	SKYLANE 320	SKYLANE 350	SKYLANE 480E	SKYLANE 650E
Application	Multi-role	Multi-role	Multi-role	Multi-role	Cargo
Propulsion	Electrical	Electrical	Electrical	Electrical	Electrical
Wingspan	2500 mm	3200 mm	3500 mm	4800 mm	6500 mm
Length	1260 mm	1830 mm	1880 mm	2580 mm	2975 mm
Material	Carbon Fiber	Carbon Fiber	Carbon Fiber	Carbon Fiber	Carbon Fiber
Empty weight (no batt / fuel)	7.0 kg	11.0 kg	18.2 kg	12.0 kg	42.0 kg
Max. take-off weight	15 kg	25 kg	35 kg	50 kg	120 kg
Maximum payload (ex battery)	2 kg	3 kg	10 kg	20 kg	50 kg
Endurance	2.5h, no payload 1.5h, 2 kg payload	3.5h, no payload 2.0h, 3 kg payload	5.5h, no payload 2.0h, 10 kg payload	4.5h, no payload 2.5h, 20 kg payload	4.5h, no payload 1.0h, 50 kg payload
Cruise speed	21 m/s	22 m/s	22 m/s	27 m/s	23 m/s
Max speed	34 m/s	30 m/s	36 m/s	36 m/s	35 m/s
Stall speed	16 m/s	17 m/s	18 m/s	22 m/s	25 m/s
Max take-off altitude	4200 m	4200 m	4200 m	3500 m	3000 m
Battery	2x6S 25000 mAh (5.1kg)	4x6S 25000 mAh (10.2kg)	4x6S 25000 mAh (10.2kg)	4x12S 33000 mAh (17.6kg)	6x12S 35000 mAh (28.0kg)
Wind resistance Fixed wing Mode	Up to 14m/s	Up to 17m/s	Up to 20m/s	Up to 16m/s	Up to 12m/s
Wind resistance VTOL	Up to 8m/s	Up to 9m/s	Up to 10m/s	Up to 7m/s	Up to 7m/s
Operating temperature	-20...+45°C	-20...+45°C	-20...+45°C	-10...+45°C	-20...+45°C
Operating voltage	12S	12S	12S	12S	12S
Carrying case, mm	1470 x 560 x 400	1800 x 680 x 480	2100 x 735 x 500	1860 x 1150 x 770	2450 x 1440 x 1430

KEY DIMENSIONS

