

Surveyor-H VTOL Unmanned System including the helicopter UVH 25EL and GCS

The UVH 25EL is an industrial grade helicopterpowered with electric motor and Li-Ionrechargeable batteries. Take-off, landing and mission are carried out automatically. Optional semi-automatic control. Emergency operation modes. Diagnostics, flight planning and remote control can be performed using wireless network connection. Proprietary Autopilot.



APPLICATION

- Video surveillance and monitoring
- Payload (max. 5 kg)
- Radio relay
- Flying R&D laboratory (meteorology, hydrology, earth monitoring, etc.)



SPECIFICATION

Parameters	Value	Parameters	Value
Cruising speed	45 km/h	Max. climbing capacity	3 m/s
Maximum speed	100 km/h	Max. wind speed while taking off or landing	14 m/s (27kts)
Length	2670 mm	Operational range	67 km
Main rotor diameter	2600 mm	Practical ceiling	3500 m
Height	670 mm	Endurance	1.5 h
Wheelbase	790 mm	Parachute (optional)	ballistic
Engine type	BLDC motor	Onboard power supply	12V
Motor power	5 kW	Altimeter	radio
Battery	Li-Ion	TBI (inspections, maintenance)	500 h
Max. Payload	5 kg	Level surface	10mX10m
MTOW	25 kg	Storage	1. Heli in box -42 kg (Packing dimensions - 1700x300x500)
Operation temperature	from -20°C to +40°C		
Control modes			
Main	Fully automatic		
Assisted	Semi-automatic		
Emergency situations	Emergency		
Takeoff and landing	Fully automatic		
Emergency landing	Parachute		
Ground support equipment	Not required		

