

UVH-25EL

The UVH 25EL unmanned helicopter with increased carrying capacity, flying range and widened operational temperature range

UVH 25EL is an industrial grade helicopter with an electric motor and Li-Ion rechargeable batteries.

Take-off and landing as well as mission are carried out automatically.

Optional semi-automatic control.

Emergency operation modes.

Decreased turnaround time.

Proprietary Autopilot.



APPLICATION:

- Video surveillance and monitoring
- Payload delivery
- Radio link range extension and retransmission
- R&D flying laboratory (meteorology, hydrology, earth monitoring, etc.)

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PERFORMANCE

PARAMETER	DATA
Cruising speed	45 km/h (28 mi/h)
Maximum speed	100 km/h (62 mi/h)
Max. Payload	5 kg (11 lb)
MTOW	25 kg (55 lb)
Max. climbing capacity	3 m/s (5.8 kts)
Max. wind speed during taking off or landing	14 m/s (27kts)
Endurance	1.5 h
Operational range	67 km (41,6 mi)
Practical ceiling	3.500 m (9,842 ft)
Operation temperature	-20°C to +40°C (-4°F to + 104 °F)

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PHYSICAL SPECIFICATIONS

PARAMETER	DATA
Main rotor diameter	2.600 mm (102.3 in)
Length	2.670 mm (105,1 in)
Height	670 mm (26,3 in)
Landing skids base	790 mm (31,1 in)
Engine type	BLDC Electric
Motor power	5 kW
Battery	Li-Ion
Emergency landing	Parachute/Autorotation
Onboard power supply	12 V
Altimeter	Radio
TBI (inspections, maintenance)	500 h
Level surface	10 x 10 m (32,8 ft)
Storage	Heli in box: 42kg(92,6 ft) Packing dimensions: 1.700mm x 300mm x 500mm (66,9in x 11,8in x 19,6in)
Ground support equipment	Not required