

UVH-150

DINKWANYANA AEROSPACE

- The converted [Alpin UAV](#), which is based on the manned Heli-Sport Italian CH7 helicopter completed the flight over Turkey and is an important step in the vehicles' entry onto the Turkish market.
- The [Alpin UAS](#) is a long range, heavy lift unmanned helicopter capable of carrying up to 160 kg within a range of up to 840 km. The UAS includes a wideband satellite communication channel from its command-and-control station - a valuable feature, particularly for operations in remote areas.
- The Alpin's system autopilot has features and advantages such as fully autonomous takeoff and landing, remote Ground Controls network capability, autorotation landing capability and high efficiency flight control, based on TECS (Total Energy Control System).
- Aliaksei Stratsilatau, CEO and Lead Developer at UAVOS, stated: *"With COVID-19 the demand for UAV cargo, crucial to the delivery of medical supplies, medicines, food, and other necessary equipment, is on the rise."*
- The [UVH -500](#) has been created as a part of UAVOS's pilot into unmanned aircraft conversion programme and addresses the growing market of UAV cargo delivery. Measuring 23 ft (7 meters) long, 5 ft (1,50 meter) wide and 7,7 ft (2,35 meters) tall, and with a rotor diameter of 20,6 ft (6,28 meters), it is capable of carrying up to 353 lb (160 kg) with a range of up to 522 mi (840 km).
- In general, the total flight time of UAVOS solar powered test aircraft is more than 1000 hours with test flights taking place at an altitude of up to 62 feet (19,000 m).



UVH-150

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PARAMETERS	VALUE
Maximum cruising speed	80 km/h
Maximum speed	120 km/h
Length	2230 mm
Main rotor diameter	2500 mm
Height	860 mm
Wheelbase	750 mm
Engine type	Four-stroke
Engine capacity	9.5 kW
Payload with full fuel tank	1 kg
Max. Payload	5 kg
Max. takeoff weight	58 kg

PARAMETERS	VALUE
Max. climbing capacity	5 m/s
Max. wind speed during takeoff or landing	14 m/s (27 kts)
Range of operation	400 km
Practical ceiling	2100 m (6800 F)
Flight time (max.)	4 h
Parachute	ballistic
Onboard power supply	12 V
Altimeter	Laser
TBI (inspections, maintenance)	200 h

01
UVH-150

02
UVH-500

03
UVH-170

04
UVH-25EL