

SURVEYOR-H Unmanned Aerial System with UVH-290E drone (vertical takeoff/landing)

UVH-290E unmanned aircraft is an industrial helicopter with a rotary gasoline engine, equipped with an injector, a starter and a generator.

Take-off, en-route flight and landing are carried out automatically.

Optional semi-automatic control.

Emergency operation modes.

Diagnostics, flight planning and remote control can be performed via a wireless network connection.

Proprietary Autopilot.



UAVOS INC

465 N. Whisman Road, Suite 600
Mountain View, CA 94043, USA



www.uavos.com



+1 650 584-3176



APPLICATION

- Video surveillance and monitoring
 - Payload (max. 20 kg) delivery and autonomous transporting
 - Jamming
 - Radio link range extension and retransmission
 - Target pointing and designation
 - R&D flying laboratory (meteorology, hydrology, etc.)
- UVH-290E is used for monitoring the Earth's surface.

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OPERATION



Temperature range	-35°C to +50°C
Basing	Takeoff and landing place 10mX10m
Control modes 1. Main 2. Assisted 3. Emergency situations	Fully automatic Semi-automatic Emergency
Takeoff and landing	Fully automatic
Emergency landing	Parachute
Ground landing means	Not required
Engine start	Electric starter
Storage	1. Heli in box -77kg (Packing dimensions -1300x650x800) 2. Portable GCS (PGCS), antenna, repair kit and filling kit in box-44kg (1300x650x650). 3. Payload box - GSG-185 – 8,5kg (350x350x350)

CHARACTERISTICS

Parameters	Data	Parameters	Data
Maximum cruising speed	70 km/h	Empty weight	58 kg
Maximum speed	100 km/h	Max. climbing capacity	3 m/s
Length	2430 mm	Max. wind speed while taking off or landing	14 m/s
Main rotor diameter	3200 mm	Range of operation	300 km
Height	860 mm	Practical ceiling	2100 m
Wheelbase	750 mm	Flight time (max.)	5 h
Engine type	Wankel type 4-stroke single rotor rotary engine	Parachute	ballistic
Engine capacity	17 kW	Onboard power supply	12V
Payload with full fuel tank	5 kg	Altimeter	laser
Max. payload	20 kg	TBI (inspections, maintenance)	260 h
Max. takeoff weight	87 kg	Engine maintenance	260 h