



## INDELA-MA Indela Sky RUAS

### MULTI-MISSION ROTORCRAFT

Unmanned aerial vehicle INDELA-I.N.SKY is an aircraft with one internal-combustion engine, using high-octane petrol. The aircraft is equipped with avionics system, ensuring automatic UAV takeoff, flight and landing with the ability to hover over the target for mission completion, as well as to control payload and board data transmission system.

The UAV is designed for the following tasks:

Territory monitoring in real time mode;  
Objects detection and tracking;  
Coordinates determination of the detected objects; Video data transmission in visual and infrared ranges.

### SPECIFICATIONS

WANKEL engine capacity (Four stroke, rotary, water cooled)	26	kW
Fuel consumption	5-8	kg/h
Length with main rotor	3787	mm
Length	3052	mm
Main rotor diameter	3140	mm
Height	1346	mm
Wheelbase	1180	mm
Maximum takeoff weight	140	kg
Standard fuel margin	25	kg
Cruise speed near the ground	70	km/h
Static ceiling without regard to ground effect	1500	m
Maximum climbing capacity	2	m/s
Flight duration (height 100-500 m)	up to 5	h
Maximum allowable wind speed during takeoff and landing	8.0	m/s
Operating temperature (temperature mode is limited by the operating range capability of electronic components as well as by the operating temperature of the engine)	-20 +50	°C

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