



## A VISION AHEAD

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### OUR PRODUCTS

**INFOTRON** designs and manufactures helicopter-type vertical take-off and landing counter-rotating rotor UAVs.

The **IT180** is powered by a 46cc two-stroke engine (**IT180-5 TH**) or by an electric motor (IT180-3 EL). The heat-engine version can carry a top-mounted or underslung payload of up to **5 kg (3 kg for the electric version)**. The UAV's symmetrical build combines higher performance with proven reliability, making the **IT180** less vulnerable to weather conditions such as wind, rain, etc.

The IT180 family of UAVs is built to a special, patented structural design, has a maximum speed of **90 km/h**, a flight ceiling of **3,000 m**, and over **2 hours** endurance, which establish it as the benchmark in the mini-UAV market. **INFOTRON's IT180** family of UAVs achieves high operational safety with a multiple array of onboard sensors controlled by integrated software that keeps it in contact with the base station over a secure three-way radio link. The avionics simplify handling by translating commands from the operator into flight controls. The autopilot mode lets the operator focus his or her attention on the gyro-stabilized camera (daylight optics, infrared or dual optical sensor) over the observation area, while the camera's focal power (**x36 zoom lens**) and stability provide the tools for making immediate and effective threat assessments from up to **10 km** away.

#### Specifications

	IT180-5 TH	IT180-5 EL
Engine	2-Temps 46 cm <sup>3</sup>	DC Brushless
Rotor diameter	1,8m	
Empty weight	14kg	
Payload	5kg	3kg
Maximum speed	90km/h	
Maximum ceiling	3000m	
Endurance	90 minutes	30 minutes
Flight mode	Manual, Automatic, Terrain following	
Radio link	869 MHz - 1,3 GHz - 2,4 GHz	
Automatic operation	Take-off, Flight, Landing	

More information (technical & price) available [here](#)