



**SPAITECH**

Unmanned Aerial Complexes

# SPARROW

1 class, battlefield



## CONTACTS

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## SPARROW COMPLEX APPLICATION

### Military sector

- Forces of special operations
- Reconnaissance military divisions
- Border troops
- Highly mobile divisions

### Civil sector

- Agriculture
- Forestry
- Control of engineering structures
- Monitoring environmental

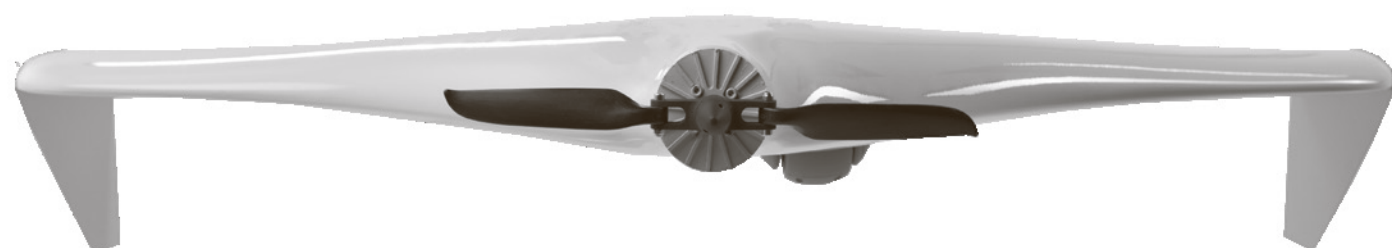


## ALLOWS PERFORMING THE FOLLOWING TASK

- territory monitoring and patrolling;
- determining coordinates of immovable and moving
- automatic tracking of moving targets;
- target aiming and artillery fire correction;
- data gathering from various sensors (temperature, humidity and direction, etc.)
- control of engineering buildings state (power supply lines, oil and gas pipelines, dams, etc.)

**Primary application - highly mobile divisions, forces of special operations.**

## UNIQUE SPECIFICATIONS OF SPARROW AERIAL VEHICLE



Take-off weight <b>3,3 kg</b>	Wingspan <b>980 mm</b>	Endurance <b>up to 60 min</b>	Flight speed <b>from 60 to 120 km/h</b>
Powerplant <b>electrical</b>	Cruise altitude <b>300 - 700 m</b>	Maximum flight altitude <b>2000 m</b>	Operation range online <b>20 km</b>
	Landing <b>by a parachute</b>	Launch <b>from the catapult</b>	

- «flying wing» shape allows creating monolithic design and ensure the product strength;
- maximal effective usage of the inner area of the plane for the arrangement of the equipment required;
- equipped with a gyro stabilized camera and a thermal imager payloads;
- if required, it is equipped with specific sensors: a photo camera, a dosimeter, and other sensors;
- the frame is produced from specific composite materials, what makes it less visible for radars and thermal imagers;
- vehicle dimensions and silence make it almost invisible at operation cruise altitude.

## THE COMPLEX INCLUDES:



**The functional opportunities and completeness can be modified upon customer request.**  
**«Spaitech» company also conducts operators training, technical and informational support and provides warranty and post-warranty maintenance.**

## DISTINCTIVE ADVANTAGES OF THE COMPLEX

- RAPID DEPLOYMENT.** Deployment and preparation of the complex for usage take less than 5 minutes.
- MOBILITY.** Thanks to small sizes and low weight, the complex can be carried by crew of 2 persons for large distance using no transport.
- EFFECTIVENESS.** Effective operation in any daytime and any weather conditions.
- EASE OF USE.** No extra area for launching and landing required. The launch is performed using a catapult.
- UNIVERSALITY.** Integration in other management systems.
- SELF-SUFFICIENCY.** Flight on predetermined course or coordinates.
- QUALITY.** Photo and video shooting (HD format).
- CONVENIENCE.** Simultaneous online data transfer to operator screen and remote video terminal.
- FUNCTIONALITY.** Analysis and reporting of received records. Surveying with further geo-referenced panoramic pictures receiving.
- SAFETY.** Data management and transfer through protected digital channel according to NATO standards.
- RELIABILITY.** Tasks performing in suppressing the enhanced signals and GPS signals. Reliable countering electronic warfare means. Real operation experience in combat situations.
- APPLICATION EXPERIENCE.** The complex is used in real combat conditions.