BASTION TECH



RAMVOK

STRIKE UAS

Strike

unmanned

system

+ Radius 35-75 km, warhead 3.2-5 kg, navigation without satellite signals

RANGE

LOW SIGNATURE

PRECISION

+ **Radius 35-75 km, range up to 120 km**

+ **Warhead 3.2-5 kg**

+ **Navigation without satellite signals**

Overview

RAMVOK is a flying-wing strike UAV with an electric motor and semi-autonomous guidance. It launches from a pneumatic catapult, operates within a radius of 35-75 km, carries a 3.2-5 kg warhead and reaches its target point even under full jamming of satellite navigation.

Navigation is built on an inertial system, radio beacons and triangulation with a stabilisation and orientation system, so reaching the point does not depend on satellite signals. The frequency-hopping control link is implemented at protocol level, and the video channel is duplicated over two analogue paths.

The electric motor gives a low acoustic and thermal signature. Cruise and maximum speeds differ by more than a factor of two: the aircraft patrols at 90-120 km/h and accelerates to 190 km/h on the terminal leg. Endurance up to 90 minutes, maximum range 120 km.

From launch to target

1. **Launch**
   Pneumatic catapult, part of the system.
2. **Flight to area**
   Inertial navigation with radio beacons and triangulation; no satellite signals needed.
3. **Patrol**
   Cruise 90-120 km/h, up to 90 minutes airborne; video to the control station over a duplicated link.
4. **Target selection**
   The operator sees the situation on the ground station and designates the target; the mission can be changed in flight.
5. **Strike**
   Semi-autonomous guidance and acceleration to 190 km/h on the terminal leg; 3.2-5 kg warhead.

+ Covert approach, patrol and precise strike with one aircraft



Functional description

RAMVOK STRIKE UAS

Navigation without satellites

- Inertial system
- Radio beacons and triangulation
- Stabilisation and orientation system
- Reaches the point under full satellite navigation jamming

Protected links

- Frequency-hopping control at protocol level
- Video over two analogue paths
- Encrypted digital video channel - in testing

Guidance and strike

- Semi-autonomous guidance, daytime use
- Patrol at 90-120 km/h, acceleration to 190 km/h
- Warhead 3.2-5 kg

Control

- Ground control station: onboard video over the main and backup analogue paths
- The operator designates the target, the aircraft homes on it semi-autonomously
- The mission can be changed in flight on the operator's command
- Frequency-hopping control link



Field use

The product is manufactured and delivered without a warhead. The warhead seat is part of the design; the 3.2-5 kg warhead is fitted by the units operating the product.

- Pneumatic catapult included in the system
- Electric motor with pusher propeller: low noise and thermal signature
- Fibreglass airframe with avionics hatches
- Ceiling 2,300 m, endurance up to 90 minutes

Customers

Ministries of defence	Other government agencies

Key advantages

01
No satellites needed

Reaches the point under full satellite navigation jamming.

02
Low signature

Electric motor: low noise and thermal signature.

03
Protected links

Protocol-level frequency hopping, duplicated video.

04
Radius 35-75 km

Range up to 120 km, up to 90 minutes airborne.

05
Two speed modes

Patrol 90-120 km/h, dash to 190 km/h.

06
Warhead 3.2-5 kg

Fitted by the operating units.

Delivery set

- RAMVOK strike UAV
- Pneumatic catapult
- Ground control station
- Tool kit

RAMVOK - covert approach without satellite navigation, patrol of up to 90 minutes and a precise strike with one aircraft.

Contacts

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