



01 / SYSTEM OVERVIEW

RAVEN 145

RAVEN 145 long-range loitering area denial weapon

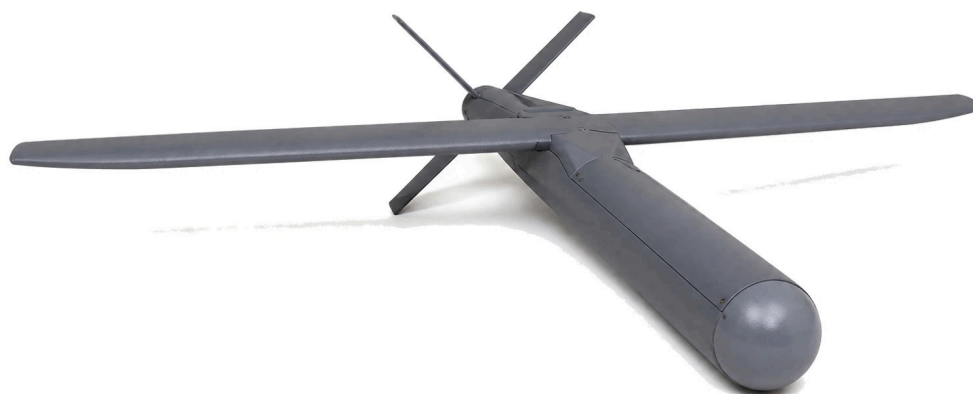


FIG 01 PRODUCT CONFIGURATION

**less than 50 kg loaded;
35 kg unloaded**

STARTING MASS

2000 m

MAXIMUM FLYING HEIGHT

15 kg

PAYLOAD MASS

2.2 m

VEHICLE LENGTH

01.1 / OVERVIEW

Family of container-launched RAVEN 145 reconnaissance and loitering strike vehicles with electric, gasoline or turbojet propulsion, INS/GPS/GLONASS navigation and optional TV or IIR terminal homing, offered with tandem anti-armour and blast-fragmentation warheads.

TYPE

Loitering munition system

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

RAVEN 145 / WEAPON SYSTEM

DIMENSIONS AND MASS

Maximum flying height	2000 m
Starting mass	less than 50 kg loaded; 35 kg unloaded
Payload mass	15 kg
Vehicle length	2.2 m
Height with booster	0.4 m

PERFORMANCE AND OPERATION

Approach angle	15 to 75 deg, top attack
Launch angle	30 deg

CONFIGURATION AND SUPPORT

Guidance	INS, GPS and GLONASS; TV/IIR terminal homing on attack variants
Launcher capacity	8, 12, 18 or 27 containers



TECHNICAL DATA

RAVEN 145 / WEAPON SYSTEM

ADDITIONAL TECHNICAL DATA

Wing span	2.4 m
Launch propulsion	Solid-fuel booster
Cruise propulsion options	Electric, gasoline or turbojet motor
Homing-head options	Television or IIR; television is daylight-only
Warhead options	175 mm enhanced blast-fragmentation with steel rods, 10.5 kg; 145 mm tandem shaped charge, 6.4 kg; or 165 mm enhanced blast-fragmentation, 13 kg
Tandem-warhead penetration	more than 1000 mm behind ERA
Launcher vehicles	ALEKSANDAR, MAN or similar
Preparation at firing position	3 min for emplacement and elevation; 30 s for a single launch
Ground-control-station configurations	Shelter, cabin or portable
Portable control station	Two 25 kg cases for a two-person crew
Maximum drones in flight	12
Maximum simultaneous TV links	3
Operating temperature	-20 to +65 deg C
Environmental resistance	Sand, dust, water, vibration, shock, transport vibration, fungi, salt fog, spraying water, rain, sunshine and UV
Transport configuration	Transportable to the firing position fully armed, with batteries charged or fuel tank filled, depending on version
Reconnaissance gasoline variant	300 km range; 150 km/h; 240 min
Electric attack variants	120 km range; 160 km/h; 50 min
Gasoline attack variants	150 km range; 150 km/h; 240 min
Area-target gasoline variant	600 km range; INS/GPS guidance without homing head or radio link