LOITERING AMMUNITION ”SM-2“

Loitering ammunition system SM-2 has been designed as a modular system of a relatively small weight. The loitering ammunition / aerial vehicle is launched from the ground, it is equipped with two-stroke internal combustion engine and it uses a global navigation satellite system (GNSS) for guidance.

The aerial vehicle may be armed with a warhead for action against live force and light armored vehicles. The ground station of the system is used as a center for missions planning, communication and tracking of flights. It is also used in a phase of preparation and functional tests of the aerial vehicles prior their integration onto the launcher. The pneumatic launcher of the system is a reliable and robust platform, which may be used both for SM-2 system aerial vehicles, as well as for launching of other types of aerial vehicles. The launcher is integrated onto the trailer towed by Zastava NTV vehicle. The vehicle has operator’s working stations for mission control and planning, as well as for testing the system functionality. Also, one of the working stations ensures collection of data delivered by the division commander or a higher commanding level. The platform FAP 2228 (logistic vehicle) is used for the needs of transport of the aerial vehicles. The vehicle has two containers each with eight aerial vehicles for the needs of the two launchers.

TECHNICAL CHARACTERISTICS:

Wing span	4.52 m
Empty system weight	39 kg
Vehicle length	3.15 m
Construction material	Fiberglass
Fuel tank	16 L
Maximum ceiling	2400 m
Payload weight	23 kg
Maximum take-off weight	70 kg
Cruising speed	115 km/h
Maximum speed	142 km/h
Endurance	2 h
Range	≥250 km

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