

## ZSRD 07



### 7.62 mm Weapon Station

ZSRD 07 Weapon Station is designed to be equipped with the 7.62 mm machine gun mount for the 7.62 x 54 mm or 7.62 x 51 mm ammunition. ZSRD 07 frame is based on the U-type manipulator with integrated weapon mount including sensor container comprising surveillance TV camera, aiming TV camera and IR camera, optionally may be fitted with the laser rangefinder. ZSRD 07 features user-friendly interface, HW and SW structures for easy control and command by gunner-operator.

#### Purpose

ZSRD 07 is a light remotely controlled weapon system designed to be integrated to wheeled or tracked vehicles, especially to light wheeled armoured vehicles. Weapon station is armed with the 7.62 mm machine gun to ensure self-protection of the vehicle at battlefield and fire support to the crew on-board, or to a small airborne group. Six smoke grenade launchers are located on traverse parts of the manipulator to create smoke screen. In order to perform basic operations and weapon targeting the ZSRD 07 is fitted with the sensor system operable during day, at night and under adverse weather conditions.



## Main TTD

Combat weight	External mount (incl. MG with ammo) – 186 kg 81 mm SGL (incl. SG DGO-3) – 30.5 kg Operator's station – 19.5 kg
Basic dimensions (with MG)	1130 x 624 x 1046 mm (l x h x w)
Weapon system	7.62 mm PKT MG for 7.62x54R round 7.62 mm UKM-2000C MG for 7.62x51 NATO round 7.62 mm FN MAG MG for 7.62x51 NATO round
Ammo at armed position	Ammo container for 500 rounds
Range of aimed fire	maximum 1 200 m
Stabilization	In both axes, RMS up to 1.5 mrad
SGL	Derived type 81 mm VZ-902
Number of SGL	6 SGL
Ammunition (type SG)	81 mm DGO-3
Smoke screen period	min. 30 s
SG camouflage	Wavelengths ranging between 0.4 and 14 $\mu$ m
Laser detection	360° - optional
Sensors	1 x surveillance TV camera, colour CCD, 36 x zoom 1 x aiming TV camera, monochromatic CCD, focus 75 mm 1 x IR, uncooled 1 x laser rangefinder - optional
Integrated operator's workstation	12" TFT display, resolution 1024 x 768 CPU architecture x64 Control panel with 2 joysticks
Range of elevation	-15° to + 70°
Range of traverse	n x 360°
Operating temperature	-32°C to + 44°C
Storage temperature	-33°C to + 63°C

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