

Modernized combat armored vehicle BOV POLO with loitering ammunition "OBELIX"



Improved BOV POLO M-83 is equipped with multisensory opto-electronical system that enables sighting in night conditions. It consists of thermal vision camera, video camera, laser rangefinder and ruggedized tablet computer. The implementation of sensors of high performances, as well as especially designed software for data display, enable to the crew to use the system for surveillance purposes. Also, the system enables larger flexibility in selecting separate operator post up to 80 m and in operator/gunner work, because it eliminates the need for optical visibility of the target.

TECHNICAL CHARACTERISTICS OF THE OPTO-ELECTRONIC SYSTEM:

Field of view	(wide) 45° - (narrow) 2°
Digital zoom	1x, 2x, 4x
Thermal camera resolution	1280 × 720 px
Video camera resolution	1920 × 1080 px
Display	WUXGA
Distance measurement accuracy	±1 m
System weight	50 kg
Operational temperature range	-20°C up to +55°C

NATO target - vehicle, favorable conditions:

Detection	> 18 000m
Recognition	> 8 000m
Identification	> 4 000m

NATO target - human, favorable conditions:

Detection	> 9 000m
Recognition	> 3 000m
Identification	> 1 500m
Maximum target detection range	30 000 m