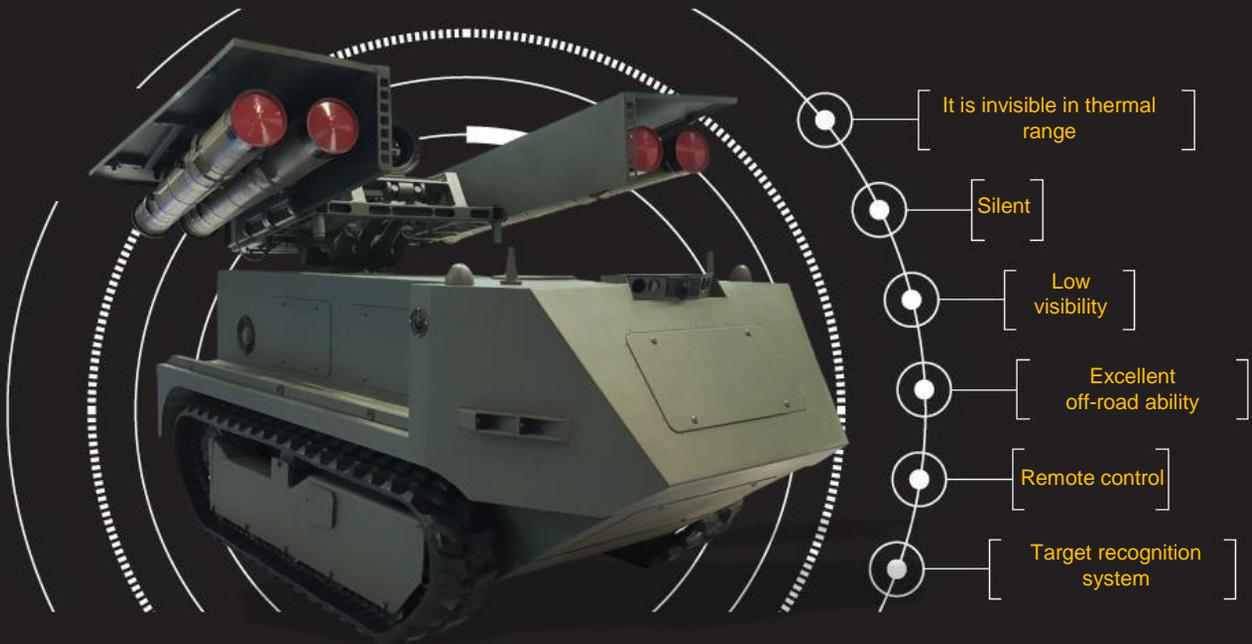


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BOGOMOL ANTI-TANK ROBOTIC COMPLEX

Keeping the military personal alive is an unconditional priority of national armed forces of any state. Special means and tactics are used for reduction of losses. However, usually, there are losses, and they are painful for the country.

Thus, it is not by chance that armies are increasingly showing interest in using special technical devices - combat robots - instead of people.

All main modules and control systems of combat robots are designed and developed by BSVT-new technologies LLC company that guarantees their uniqueness.

It is invisible in thermal range. In combat mode, Bogomol operates only from batteries, which allows it to be "cold" as well as practically silent when moving.

Low visibility. It is achieved due to small dimensions, hybrid engine, as well as special body coatings.

Excellent off-road ability. The use of a tracked chassis, along with a relatively low weight, gives Bogomol excellent maneuverability due to the low specific pressure on the ground Remote control. The system is controlled over a secure radio channel with a patented technology of counter electronic warfare.

Target recognition system. The system uses an optoelectronic complex STRIZH M-2, which allows it to determine target type, plot its coordinates and velocity vector.

It is designed for:

- reconnaissance and patrolling;
- active combat operations in urban environments and cross-country terrain;
- single and group modes use.

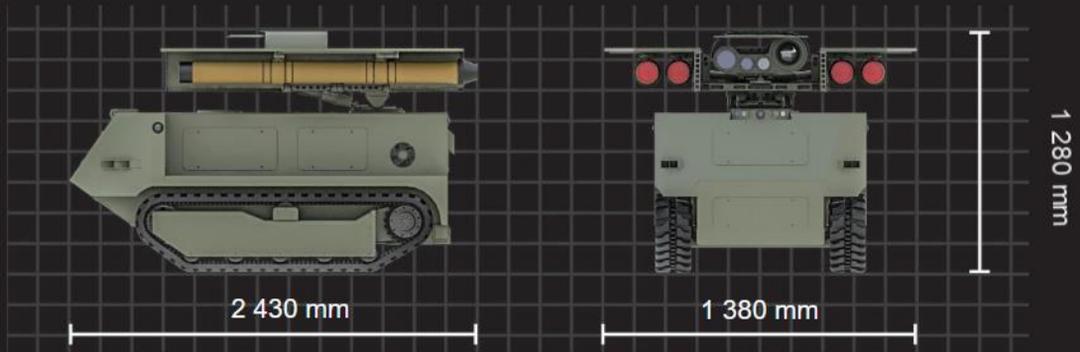
Control range LOS, m: **5000 m**

Operation temperature, °C: **-35°C..+55°C**

Armament: **ATGM, Anti-aircraft Guided Missile**

Cross Country Speed: **>5 km/h**

WEIGHT
2 100 Kg



The robot is propelled by accumulator batteries, which, in turn, feed electric motors.

The on-board diesel generator recharges accumulator batteries.

Bogomol is capable of working about 24 hours in combat mode, then the accumulator batteries shall be recharged by the on-board diesel generator.

In marching mode, the robot is capable of cross-country terrain motion during up to 16 hours at a speed of 5-6 km/h.

Independent tracks control allows it to freely maneuver even in narrow places and turn around with a minimum radius.

The system of circular video review significantly improves remote control of the robot, allowing the operator to get an overview of 360° around the chassis at a distance of 50 meters.

The combination of standard automobile lead accumulators and an internal combustion engine as a charging station makes Bogomol easy-to-charge, and consumables easily accessible.



The operator can exactly fix the vehicle position; determine speed and driving direction and control all modules and systems status.

In case of signal loss, Bogomol is able to guide itself independently and arrive to previously set point.



OPTICS

Bogomol is equipped with an optoelectronic complex "STRIZH".

This complex includes two television channels, two thermal imaging channels and laser range finder.

The complex is de-signed for automatic detection and recognition of targets.

The robotic complex applies the operator-driver observation system (2 television and 2 thermal front cameras) and the circular video vision system (4 television cameras: behind, in front, right and left) for on-the-move orientation.

Specifications

Mechanic-driver observation angle: **200 m**
 Mechanic-driver viewing angle: **360°**
 Targeting range: **10 000 m**

Optoelectronic station STRIZH

Narrow field of view: **4°x3°**
 Wide field of view: **12°x9°**
 Frame rate: **30 Hz**
 Control: **Ethernet**
 Power supply: **19-32 V**
 Power consumption: **120 W**
 Operating temperature range: **-40..+50°C**





ARMAMENT

The current version of the robot has 4 anti-tank guided missiles "Shturm-BM". Aimed shooting range is up to 5000 m, the guidance is automatic by laser beam. However, at the customer request, it is possible to install different types of weapons, including anti-aircraft missile systems.

Bogomol turret is an independent combat unit, and can be used autonomously, as a stationary combat firing point.

The armament installed on the robotic complex allows it to successfully hit armored, light armored and automotive vehicles and low-flying targets when using the appropriate type of armament.



Specifications

Armament type

- main: **Shturm-BM**
- alternative: **ATGM "Skif"**
MANPADS "Igla"

Guidance type

- main: **Laser beam**
- alternative: **Radio Chanel Wire control**

