



**SAV TIGER SBM GAZ 233136 “RAID”
Police and Law enforcement version**

**Russia-Africa Summit and Economic forum
Sochi, Russian Federation 23-24.10.2019**



VPS

SAV TIGER SBM GAZ 233136 "RAID" police version






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The logo consists of a stylized car outline in blue and red, with the letters 'VPS' in black text centered below it.

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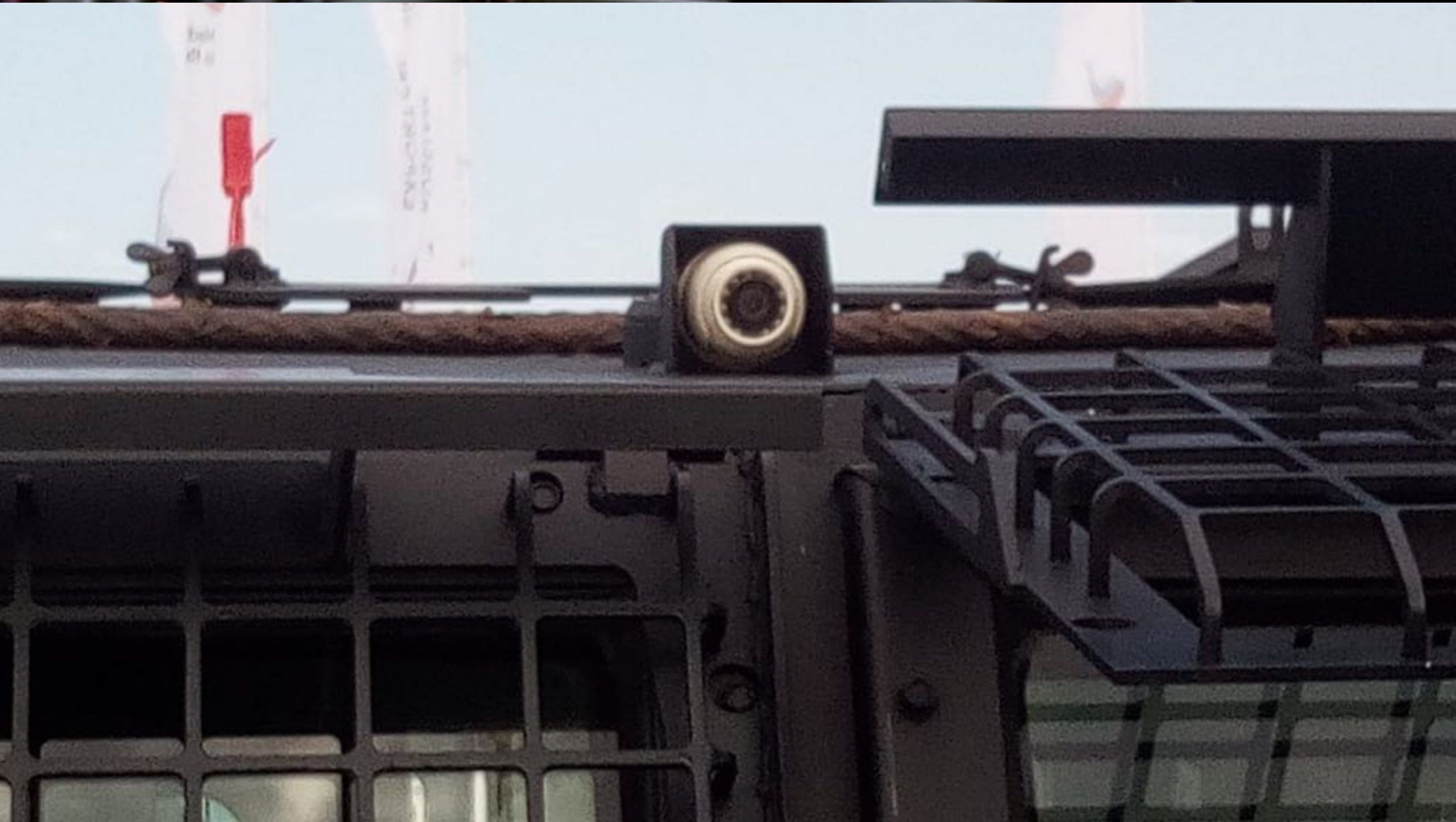


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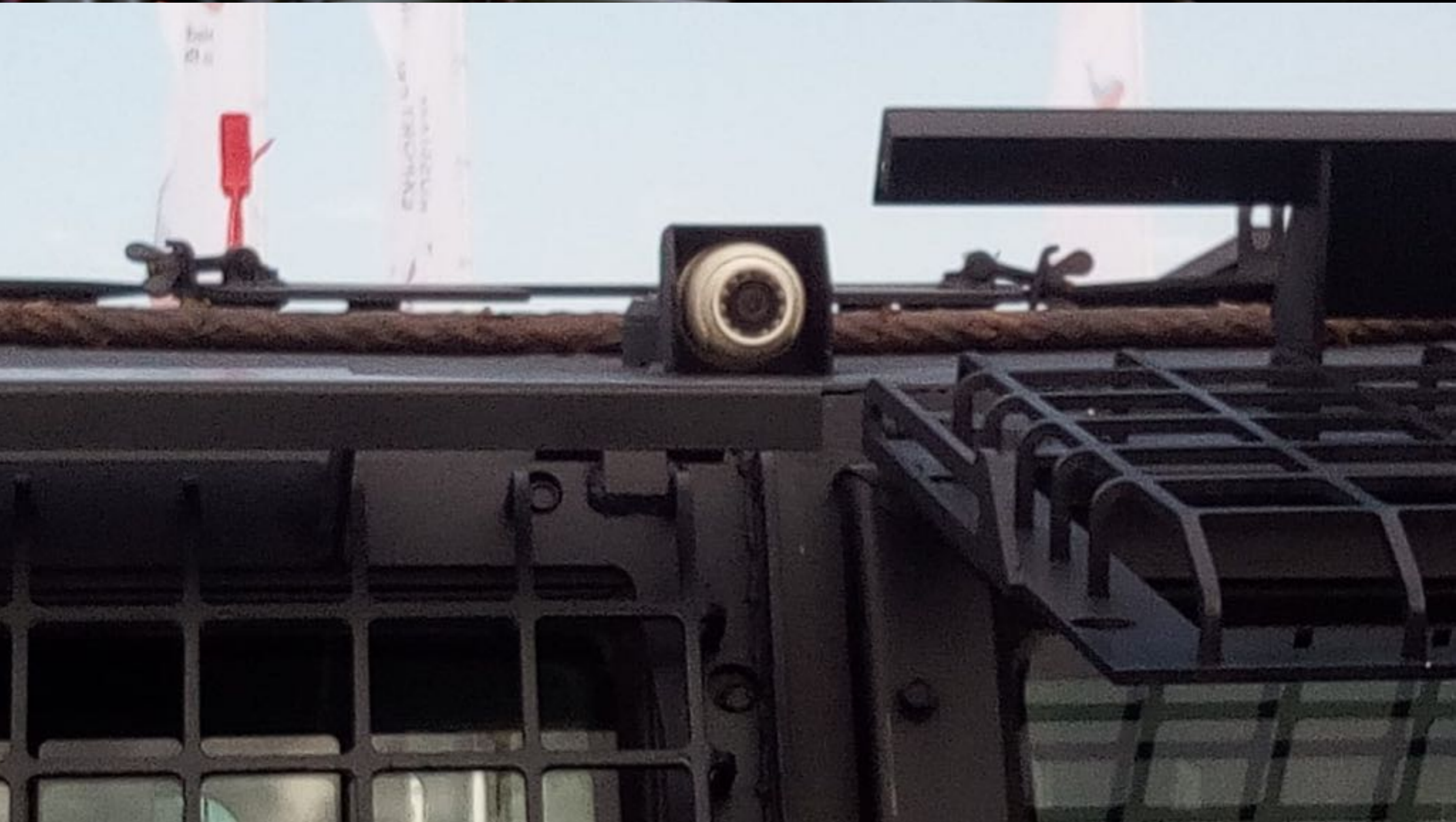


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Description:

Special Armored Vehicle (SAV) TIGER SBM GAZ 233136 “RAID” Police Version is designed for transportation of personnel and various types of cargo on hard-surface roads and all kinds of terrains, for installation and carrying various types of special equipment providing necessary level of protection against small arms bullets, mines and fragments of projectiles and improvised explosive devices.

The vehicles are capable of operating in the following conditions:

- Ambient air temperature from -50°C up to $+45^{\circ}\text{C}$
- Relative air humidity up to 98% at the temperature of $+25^{\circ}\text{C}$
- Wind speed up to 20 m/sec
- Precipitation rate up to 180 mm/h
- Air dustiness up to $1,5\text{ g/m}^3$
- Absolute elevation above sea level up to 4500 m, capable of passing some mountain crossing at altitudes of 4650 m.

Ballistic protection:

1. Special Armored Vehicle (SAV) SBM GAZ VPK 233136 TIGER «RAID» has B6 protection level according to the European standard EN 1063 (BR6), Level II protection according STANAG 4569, Level III according NIJ 0108.01 and Level V according to Russian GOST R 50963-96 standard.

2. To ensure the highest levels of vehicle protection, two armor piercing rounds (30-06 AP and 7.62x51mm AP) have been fired to vehicle body: both rounds perforated the armored steel.



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Missions:

SAV vehicles are capable of performing the following missions:

- Reconnaissance and surveillance
- Personnel transportation and protection in combats
- Convoy escorting and guarding
- Patrolling in conflict areas
- Guarding high priority facilities
- Providing fire support to combat units in special missions

Vehicle layout:

The vehicles consist of the following parts:

- Chassis including a frame and installed units and components
- Armored single-volume 3-doors hull (standard)
- Armored hood

In regard to functions and layout of units and components the vehicle configuration is classic:

- The power unit compartment is in the front under the armored hood
- Driving compartment is in the center
- Passenger or passenger/cargo compartment is in the rear.

Armored hull:

The armored hull is welded of armored steel plates. It is attached to the frame in 10 points through rubber cushions.

The driver and the commander enter the vehicle through the side doors, the troopers enter the vehicle through the rear double-wing door.



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The driver's and the commander's seats are equipped with three-point safety belts, the seat-backs are foldable. The troopers' seats have two-point safety belts, foldable backs and jump seats.

All the door locks can be blocked from inside by fixating devices and outside by key.

All the windows are made of bulletproof glass.

Features of layout:

The armored hull of SAV accommodates up to 10 persons including the driver. Firing ports installed into the bulletproof window glasses of the vehicle allow the troopers to use their small arms from inside.

Protection and durability:

The armored hull of SAV provides protection of the crew and troopers against small arms bullets, mines and projectiles fragments. Besides the armored hull protects against IED explosions in close vicinity of the vehicle.

The SAV is equipped with:

- autonomous fire-extinguisher system in the power unit compartment
- centralized tire pressure control system with electronic control unit
- full size spare wheel mounted on the rear door wing;
- air-over-hydraulic double-circuit service brake system;
- wheel brakes of closed drum type;
- electric winch of 4000 kg pulling force and 20 m length rope.

Covering of the hull interior with spall liners allows:

- to provide protection of the crew and troopers against the secondary spall caused by hitting the hull by bullets, mines and projectiles fragment



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- to exclude ricochet from the opposite hull board if the hull is pierced
- to improve heat and noise hull insulation
- to improve the interior ergonomics

3-pieces metal dashboard of modular type provides easy and convenient installation of the customer's special equipment control units in front of the Commander's seat.

Basic distinctive features of “RAID” (version) options package included into the vehicle:

Exterior

- Search light with control from inside
- Additional firing port in the windshield in front of the commander
- Protective grills on all windows
- Video observation system with hard disc recorder
- Luggage roof rack of 200 kg load capacity
- Course high beam infrared spotlight
- External antenna bracket
- Extended handrails along both sides
- Five-doors hull
- Extended steps of 300 kg load capacity each under the doors along both sides
- Rope branch cutters on each side in transport position
- Two hatches are located on the axis of symmetry of the roof
- Foldable armor shields around both hatches (in transport position)
- The armor shields are fixed to the roof and to each other with movable bolts with wing nuts



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Specific layout of the passenger compartment for 7 persons:

- Search light with control from inside
- Video observation system with hard disc recorder
- First aid kit box
- Big tool box
- Rack for personal belongings
- Two jerry cans made with stainless steel for potable water of 20 liters each in special holders
- Enhanced car interior trim - demo car (dashboard, steering wheel, seats and door panels) – upon request ONLY!

Mobility and cross-country capability:

High mobility and off-road capability of the vehicles are ensured by application of:

- 4-cylinder YaMZ-53472-10 turbocharged diesel engine providing the vehicle specific power of 25,9 hp/ton
- All-wheel independent transversal swinging arm torsion suspension with hydraulic telescopic shock absorbers and antiroll bars
- Power assisted steering system
- Pneumatic tube-type 12.00R18 tires with directed tread pattern
- High 400 mm road clearance
- Inter-axle and cross-axle locking differentials
- Hub reduction gears
- Two-speed transfer case
- 5-speeds mechanical transmission (standard) or 6-speeds automatic transmission (extra)