



LAZAR 3M

Infantry fighting vehicle with 30 mm RCWS



General Features

Lazar 3 is an armored 8x8 wheeled vehicle designed for various applications and missions.

The power train is accommodated in the front right-side of the vehicle in a protected space completely separated from the crew. The central transfer case transmits the torque to all wheels that have independent suspension and provide for the vehicle's high mobility. All the shafts provide power, while the first two steer the wheels.

Lazar 3 has a highly sophisticated, modular ballistic protection. The hull is made of armored steel and can be fitted with a spall liner. The applied ballistic protection can be tailored to the specific needs of the user and allows for application of additional state-of-the-art ballistic protection technologies throughout the vehicle service life. The vehicle floor has two levels of anti-mine protection.

The driver's and commander's space is located in the front of the vehicle. The vehicle has two side doors for the entrance/exit of the driver and the commander. Both the driver and the commander have hatches above their seats.

The driver's hatch has a three-position lock, one position being designed for locking the cover while driving with the open hatch. The driver and the commander have each three periscopes available for their use in the vehicle. The driver's seat is ergonomic and adjustable in vertical and horizontal planes. The steering column is also adjustable in height and steering angle.

The crew compartment is located in the rear of the vehicle and provides enough space for various missions. This part of the vehicle can be accessed through the rear ramp, through the two doors embedded in this ramp or through the big hatches on the vehicle roof. The ramp is hydraulic-operated by way of the power train. It can be activated both from the driver's compartment and the crew compartment.

The number of the crew depends on the type of a mission and the weapons used in the vehicle. When the vehicle is equipped with the remote control weapon station (RCWS), the vehicle should be manned with 12 troops (commander, driver, gunner + 9 soldiers), while the version with a turret would be manned with one soldier less.

Dimensions and weight

· Length:	7.92m
· Width:	2.95m
· Height (without turret):	2.32m
· Clearance:	0.42m
· Approach angle:	45°
· Departure angle:	38°
· Wheel base:	2.53m
· Spacing between axles:	1.5m-1.8m-1.45m
· Engine space:	5m ³
· Crew space:	15m ³
· Combat weight	
(depending of mission and protection):	24-26t
· Max. weight:	28t

Performances

· Maximum speed:	110 km/h
· Gradient:	60 %
· Side slope:	30 %
· Vertical obstacles:	max 0.55 m
· Trench:	2 m
· Turning radius:	11.5 m
· Fording:	1.6 m



Lazar 3M infantry fighting vehicle is equipped with RCWS 30 mm 32V01. It is designed for engagement of enemy personnel (wearing individual body armor), firing assets and unarmored/ lightly armored equipment; reconnaissance and target recognition, surveillance over the environment. When integrated on armored combat vehicles, the Turret acts as the main armament system.

· Armament	30mm 2A42 automatic gun, 7.62 mm 6P7K machine-gun TV and TI sight with laser rangefinder
· Sight	
· Range of engagement, km:	
automatic gun	up to 4
machine-gun	up to 1,5
· Angles:	
elevation	-10° to +60°
traverse	360°
· Ammunition, rds	
automatic gun	200 (HE), 100 (AP-T)
machine-gun	1000
· Weight (with ammunitions), t	no more than 1,5
· Mounting bore diameter, mm	1350

