



TAMNAVA

Multiple launch rocket system 122 mm



MLRS 122 mm TAMNAVA LIGHT is a weapon intended for neutralization of live force, combat systems, command posts, bases, warehouses, airports and traffic junctions and any light armored targets.

MLRS 122 mm TAMNAVA LIGHT can be integrated into the modern central battlefield through a command-information system, navigation system and fire control system. The system is characterized by the short transition from marching to combat position, as well as short time for leaving the firing position.

MLRS 122 mm TAMNAVA LIGHT consists of the following subsystems:

- Modified vehicle KAMAZ 43118 - 6x6
- Launching device:
 - Launching platform
 - Traverse mechanism
 - Elevation mechanism
 - Torque equalizing system
- Two multi rocket pods with 6x4 each, steel tubes of 122 mm

- Stabilizing apparatus (trails)
- Command and control system:
 - System control computer
 - Electromotive drive and servo systems
 - Electronic programmable trigger
 - Fire control system (FCS)
- Sighting device
- Semi-automatic control unit (portable control panel)



Main technical characteristics of MLRS 122 mm TAMNAVA LIGHT

Range	20 km up to 40 km
Caliber	122 mm
Launcher	Disposable multiple use containers
Number of containers / launching pods	2 containers (cal. 122 mm) on the launching platform
Number of tubes per container	24 (6x4) 122 mm tubes
Launching steel tubes are designed for	<ul style="list-style-type: none"> - Locking the rocket during transport - Electrical ignition of the rocket motor - Giving direction when launching
Operating temperature range	from -30°C to +50°C
Field of action	<ul style="list-style-type: none"> - In elevation: 0° to 60° - In traverse: ± 90°
Laying the launcher in traverse and elevation	<ul style="list-style-type: none"> - Automatic mode - Semi-automatic mode - 00-01 degree correction in laying the commanded angles
Type of drive	Electric motors
Angular rate	<ul style="list-style-type: none"> - In elevation: 1 °/s (max) - In traverse: 1,5 °/s (max)
KAMAZ 43118 - 6x6	<ul style="list-style-type: none"> - 6x6 drive - Total weight: 21,6 t - Autonomy: 600 km - Cabin's ballistic protection from 7,62x39 FMJ ammunition
Crew members / position	Three crew members seated in the vehicle's cabin
Weapon stabilization during firing	Stabilized by two rear trails
Combat mission	By use of autonomous FCS, preset combat mission
Launching control unit provides	Burst fire, single fire, launching from the driver's cabin or from the shelter at 25m
Personal weapon of the crew	3 x 7.62 mm automatic rifles
Time to prepare for firing	180 s
Time to retreat	180 s
Protection and camouflage	Tarpaulin cover
Weight	Max 21600 kg
MLRS overall size	Length (max): 8241 mm Width (max): 2490 mm Height (max): 3670 mm
Means of transport	Railway, train, ship