

A mobile robotic system designed to transport severely injured persons in different types of environments. However, it can also help in rescuing people in forest, mountain terrains and places harder to reach. It is also an effective helper in natural disasters.

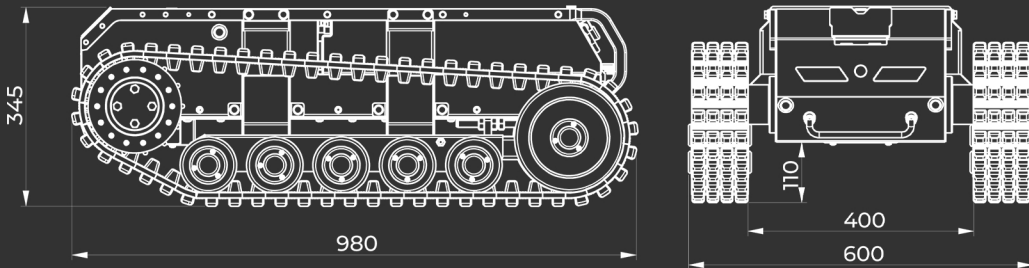


CONTROL

The UGV MRAZ3 is controlled manually with 16 channel manual controller or autonomous control in marked area-based or point to point-based projects. All autonomous operations can be watched online and controlled by an operator from remote controller or a monitoring center. The autonomous UGV recognizes object based on the neural network library of predefined object. The objects can be customized according the requests of the client.

The robot is made of first-class and durable materials, which guarantees high resistance to harsh conditions such as in mountainous areas. This high quality construction allows it to effectively withstand environmental influences and maintain optimal functionality during deployments.

DIMENSIONS OF MRAZ3 RSC



USE CASES

- rescue in military actions
- evacuation of injured persons
- rescue operations in mountains and difficult terrain
- transport of persons, materials and military equipment

PARAMETERS

Material	stainless steel
Material of crawler	rubber
Maximum speed	10 km/h
Battery capacity	77Ah at 48V
Battery life	8 - 12 hours (depends on climatic and terrain conditions)
Payload	400 kg
Pulling	300 kg
Replacing battery	10 sec
IP	67
Climbing	up to 40 degrees
Stairs climbing	Yes
Over-obstacle capacity	Max 250 mm (height)
Weight	120 kg
Control	Manual or autonomous (optional)
Manual remote-control distance	Max 2 km (without obstacles)
Number of cameras	2 x 1080p 2Mpx - front and rear
Thermal camera	Integrated (integrated on mechanical pole - optional)
GPS	Yes - F9P and RTK
GPS precision	1-100 mm
Separate front and rear spray	Yes
Separate side spray	Yes
Side tilt	Max. 20°
Increased durability	Yes
Controller	16 channel with 6" color display

