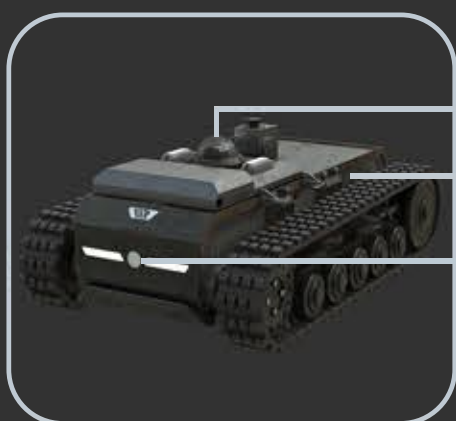


MRAZ3

SECURITY GUARD
DATA SHEET



The security guard robot is a fully autonomous mobile diagnostic unmanned ground vehicle (UGV) that significantly enhances the efficiency and quality of routine inspections. Its advanced capabilities allow for the reliable detection of emerging damage, material integrity violations, damaged cabling, loose connections, and other potential issues.



- 360° view
- robotic platform MRAZ3
- front camera



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.

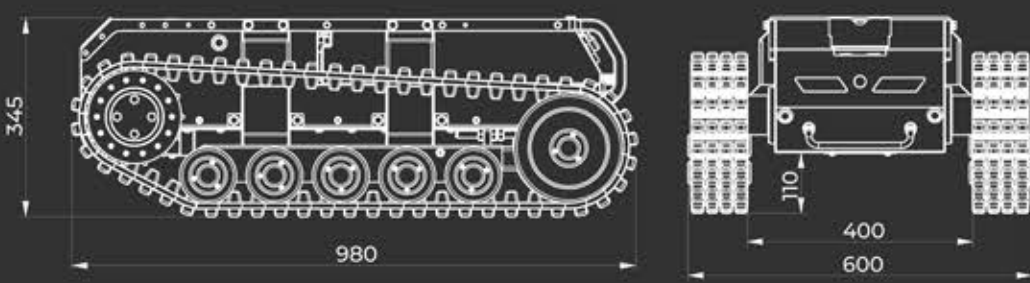
MRAZ3

SECURITY GUARD
DATA SHEET



When a problem is detected, the robot logs it and continues scanning, ensuring a comprehensive inspection process. It displays all collected data in a consistent format with relevant information regarding the location, time, and other relevant parameters. By utilizing the MRAZ 3 security guard robot, inspection protocols can be standardized, time can be reduced, and data quality and consistency can be improved.

DIMENSIONS OF MRAZ3 DGR



USE CASES

- security services
- energy system investigations
- gas leak detection
- investigation of train and truck chassis
- corrosion detection
- regular infrastructure inspections

MRAZ3

SECURITY GUARD
DATA SHEET



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 |
| 360° view | Optional |
| Thermal camera | Optional |
| Notification alarm system | Optional |
| GPS | Yes - F9P and RTK |
| GPS precision | 1-100 mm |
| Side tilt | Max. 20° |
| Obstacles | 250 mm |
| Increased durability | Yes |
| Explosion resistance | Limited |
| Other sensors, devices | Optional |



+421 911 505 711
sales@mrazrobotics.com
www.mrazrobotics.com
Priemyselna 4, 921 01 Piestany

