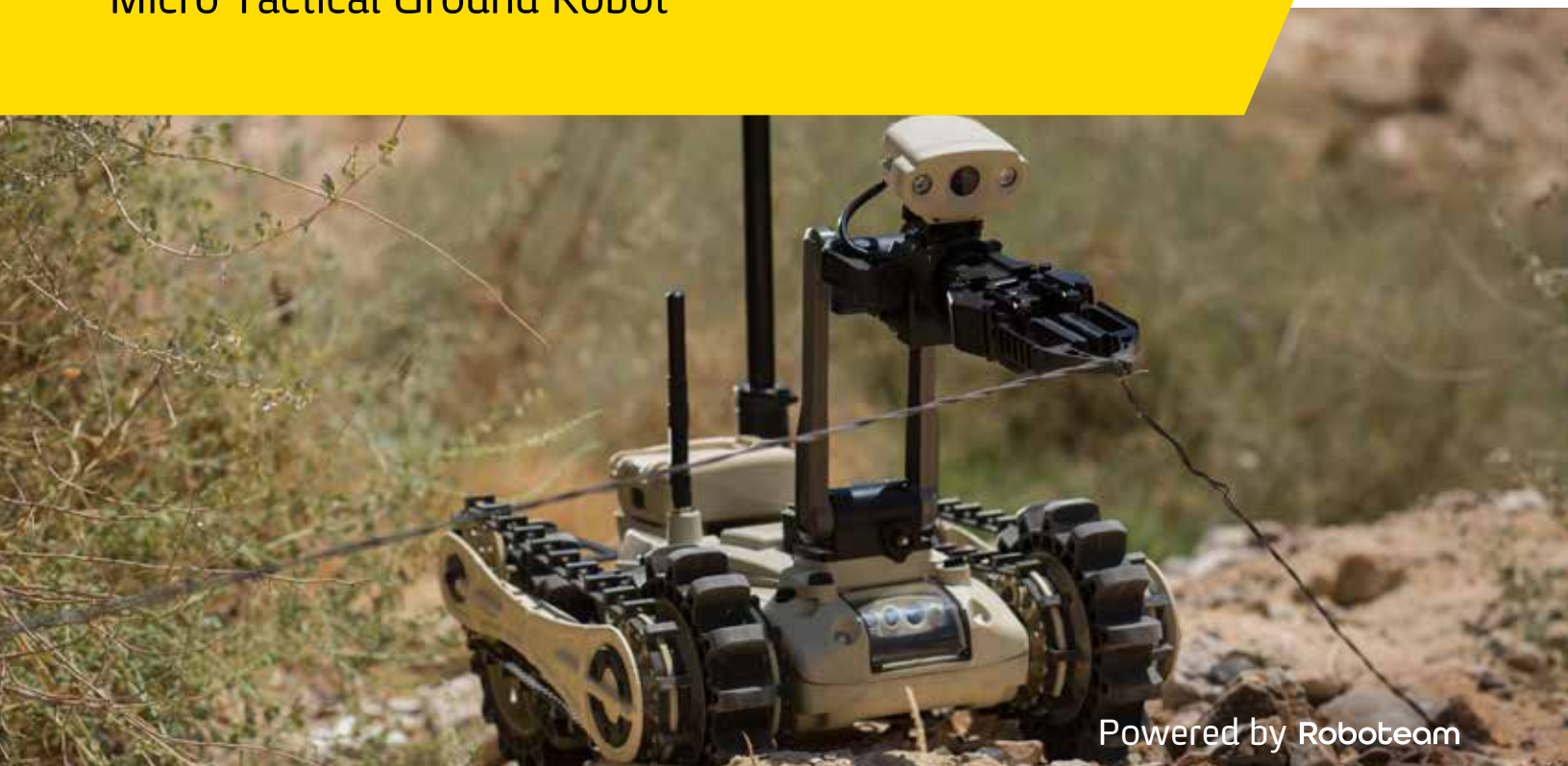


MTGR™

Micro Tactical Ground Robot



Powered by Roboteam

The MTGR (Micro Tactical Ground Robot) platform is a unique and lightweight all-terrain tactical robot with high maneuverability indoors and outdoors. The MTGR is specially designed to support military, law enforcement and public safety units in various combat situations around the globe. Perfect for explosive ordinance disposal (EOD), urban warfare, special operations or public safety missions, the MTGR dominates the unknown.

MTGR

Micro Tactical Ground Robot

System Highlights

One-person packable tactical platform with a 4-DOF highly intuitive interface. and 360° video coverage with day/night vision for uninterrupted mission control.

Essential tool for enhancing the capabilities of any military, law enforcement or public safety unit.

Advanced all-terrain maneuverability including stair climbing and self-righting capabilities.



Main Applications

- Reconnaissance, surveillance and target acquisition
- Subterranean and culvert inspection
- Dismounted EOD operations
- Law enforcement, SWAT and first responders
- CBRNE detection



In use with:



Elbit Systems C4I and Cyber

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Technical Specifications

Parameter	Description
Platform	
Dimensions (LxWxH)	17.9 x 14.5 x 5.7 in / 45.5 x 36.8 x 14.5 cm
With Wheel Kit (LxWxH)	18.6 x 18.5 x 6.5 in / 47.2 x 47 x 16.5 cm
Weight	20.7 lb / 9.4 kg, 25.3 lb / 11.5 kg with wheels
Max Payload Weight	22 lb / 10 kg
Environmental	Ingress Protection 65
Speed	2.2 mph / 3.5 km/h
Vertical Obstacle	14 in / 35 cm
Stair Climbing Ability	45°, 8 in / 20 cm
Communication	Secure IP Mobile Ad-hoc network
Operating Range	1600 ft / 500 m LOS
Power Supply	24V MIL STD Roboteam battery
Working Time	3 hours
GPS	Internal
Video & Cameras	5 integrated cameras for 360° real-time day & night, 2 cameras on manipulator & optional pole camera (8 in total)
Payload Ports	Power (12-28V), Ethernet, video/audio, CAN bus, 12V I/O, 5V I/O
Drive Camera Tilt Module	-20° to 90° (under vehicle inspection)
Illumination Module	360° NIR illumination + front white LED+ laser pointers
Audio	Microphone
Mechanical Interfaces	Multiple Picatinny rails for mounting accessories (disruptors, ext. cameras, wire cutter, long fingertips etc.)

Tactical Manipulator	
Degrees of Freedom	4-DOF, (shoulder, elbow, wrist, gripper)
Max Gripper Opening	4.3 in / 11 cm
System Weight	8.8 lb / 4 kg
Max Lift Capacity	11 lb / 5 kg, fully extended
Reach Length	19.3 in / 49 cm
Cameras	1. Auto focus camera, optical zoom X10 2. Close up gripper camera
Illumination	White / NIR LED
Mechanical Interface	Quick release screws & Picatinny rails
Operational Temp	4°F to 140°F / -20°C to 60°C
Environmental	Ingress Protection 65