

MTGR →

Micro Tactical Ground Robot

→ OVERVIEW

The MTGR® (Micro Tactical Ground Robot) platform is a unique and robust lightweight, tactical vehicle with high maneuverability in any terrain both indoors and outdoors. The MTGR® was specially designed to aid military, law enforcement and public safety units in various combat situations around the world. Whether it is for an EOD or Special Operation unit, tactical missions or monitoring public safety – The MTGR® dominates the unknown.



→ SYSTEM HIGHLIGHTS

Man carried tactical platform with 4 DOF Manipulator and a highly intuitive interface

360° video coverage day & night vision for uninterrupted mission control and maneuverability in any terrain

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

Stair climbing ability perfect for both ISR and EOD operations

→ MAIN APPLICATIONS & PAYLOADS

EOD Missions with Tactical Manipulator

Culvert Operations with Tunnel Kit

ISR and Target Acquisition with Sensor Integration

Law Enforcement, SWAT and First Responder Application

Public Safety Kits (CBRNE, HAZMAT, and More)

→ PLATFORM SPECIFICATIONS

PARAMETER	DESCRIPTION
Size (LxWxH)	17.9 x 14.5 x 5.7" (45.5 x 36.8 x 14.5 cm)
With wheel kit (LxWxH)	18.6 x 18.5 x 6.5" (47.2 x 47 x 16.5 cm)
Weight	16 lbs (7.3 kg) ,19 lbs (8.6 kg) with wheels
Max payload weight	22 lbs (10kg)
Military standards	Ruggedized, IP65
Speed	2 Mph (3.5 Km/h)
Vertical obstacle	14" (35c m)
Stair climbing ability	45° ,8 inch (20 cm)
Communication	Secured IP MESH data link
Operating range	1600 ft (500 m) LOS
Power supply	14V Mil Std or 24V Roboteam's battery
Working time	2-4 hours (operation mode dependent)
Payload ports	Power (12-28V), Ethernet , Video/Audio, Canbus, 12V I/O, 5V I/O
Mechanical interfaces	Standard Picatinny rails
GPS	Internal
Video & cameras	360° Real time day & night video + optical zoom x 10
Drive camera tilt module	-20° to +90° (under vehicle inspection)
Illumination module	360° NIR illumination + front white LED
Audio	Microphone and Speaker

→ MANIPULATOR SPECIFICATIONS

PARAMETER	DESCRIPTION
Actuator DOF (degrees of freedom)	4 DOF, (2 joints, gripper and wrist capability)
Max gripper opening	4.3" (11 cm)
System weight	8.8 lbs (4 kg)
Max lift capacity	11 lbs (5 kg) , fully extended
Reach length	19.3" (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°)
Reliability specs.	IP65



DOC00014-C REV.C04

→ US HEADQUARTERS

15890 Gaither Drive,
Gaithersburg, MD 20877

T +1.301.6542722

F +1.301.6542723

E salesUS@robo-team.com



www.robo-team.com

→ ISRAEL HEADQUARTERS

14 HaAhim Mislavuta,
Tel Aviv, Israel 67010

T +972.3.6870008

F +972.3.5717327

E salesIL@robo-team.com