



R-BOT UGV

AFFORDABLE REMOTE INSPECTION & MANIPULATION FOR: EOD • WARFIGHTERS • LAW ENFORCEMENT • HUMANITARIAN DEMINING

The R-BOT was developed to withstand the most challenging environments and prioritize usability, cost-effectiveness, and performance. The R-BOT is capable of Remote Operations, Surveillance and Recon, Explosives Detection and Disposal, Hazardous Material Handling, and more!

Is the R-BOT affordable?

The R-BOT was designed as an affordable but highly capable alternative to UGVs that are too expensive for many groups, including law enforcement, humanitarian operations, and warfighters on a limited budget. There are several package options available for the R-Bot, and discounted rates to government agencies and humanitarian organizations. Email ip-equip@inertproducts.com for pricing

The R-BOT Journey:

The R-BOT is poised to establish itself as a front-runner in the field of robotics. Since its inception, the R-BOT has been actively deployed across various operational landscapes. Initially utilized in Iraq for humanitarian demining involving the handling and disposal of live munitions, the R-BOT swiftly gained recognition. Notably, units will be in Ukraine for the second half of 2024, and many more are planned to arrive in 2025. The R-BOT is now seen as one of the pioneering military robotic systems to be deployed in active combat zones.

R-BOT Design:

Designed for durability, the R-BOT showcases exceptional operational capabilities even in the most challenging environments and adverse weather conditions. The R-Bot has been operationally proven to handle landmines, UXO, IEDs, and ordnance up to 44 lbs (20kg).

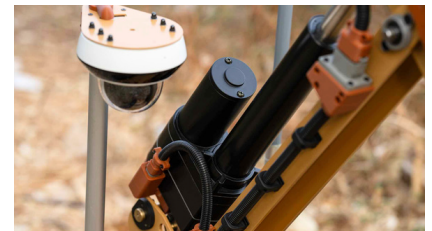
Key Features and Benefits of the R-BOT UGV:

- Easy Maintenance: Simplifies tasks, minimizing downtime.
- Repair and Spare Parts - Readily available, simple mechanics.
- High Mobility: Agile and capable of maneuvering through diverse terrains.
- Rugged and Reliable: Built to withstand harsh conditions.
- Configuration: Versatile design for combat engineering, EOD, and CBRN.
- Manipulator: Multi-degree manipulator arm for handling heavy payloads.
- Interface: Offers ease of operation through graphical interfaces.
- HD Video Transmission: Provides clear and detailed video feed.
- Flexible Controller: User-friendly control interface to accommodate users.
- Life-Saving: The R-Bot mitigates risks in high-stakes situations.

IP•Equip Affordable remote inspection & manipulation for warfighters, law enforcement, humanitarian demining, and EOD.



R-BOT UGV Specifications



Weight (in drive configuration with batteries)	143 lb (65 kg)
Runtime	Up to 2.5 hours
Range	1,300 ft (400 m)
Cameras	3x static, 1x Pan/Tilt
Manipulator Reach	34.25" (1300mm) vertical 23.25" (590mm) horizontal
Manipulator Lift	44 lb (20 kg) closed 20 lb (9 kg) max extension
Gripper Span	611 (150mm)
Gripper Rotation	360° (continuous rotation)
Speed	Up to 1 mph (1.7 km/h)
Towing Pull Force	55 lbf (25 kgf)
Agility Turn Radius	Skid steer
Slope Traversal	45°
Vertical Obstacle	4.8" (120mm) tall
Ground Clearance	4.2" (106mm)
Dimensions	34.25"L x 25"W x 40"H (870mm x 636mm x 1017mm)
Communications	TCP/IP protocol
Base Controller (Upgrades available)	Microsoft™ Controller

*Please be aware that specifications may change without notice due to ongoing process enhancements.

Collaborate with IP•Equip

At IP Equip, our mission is to unite organizations and individuals in delivering cutting-edge solutions to tangible challenges. Through extensive collaboration with our partners, we prioritize strategic analysis to understand and address their needs thoroughly. IP Equip invites OEM manufacturers and end-users to contact us regarding integration with the R-BOT for recon, detection, or tactical equipment. Our platform is a conduit for exploring synergistic partnerships, ensuring optimal performance and customization for diverse operational needs sip-equip@inertproducts.com

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