



R-BOT

**Cost-Effective
Unmanned Ground Vehicle**

IDEAL FOR

REMOTE INSPECTION

HUMANITARIAN AND
DEMINE OPERATIONS

EXPLOSIVE ORDNANCE DISPOSAL

FINANCIALLY LIMITED SECURITY MISSIONS



The R-BOT is a low-cost, unmanned ground vehicle (UGV) that can reduce or eliminate the time of danger for an operator who must inspect, x-ray, or disrupt a hazardous device.

Remotely inspect using 4 onboard cameras, including a pan/tilt master camera.

The folding manipulator includes a 360 degree, continuously-rotating gripper that can be used to open doors, flip / lift items from the ground, or move the threat to a safer area for further processing.

The R-BOT can lift up to 44 lbs (20 kg), and can reach up to 51" (130 cm) vertically and 23" (58 cm) horizontally.

Low cost and minimal maintenance means more freedom to train and less worry about replacing parts that are far costlier on other bots.

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) close 20 lb (9 kg) max extension
Gripper Span	6" (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
Controller	Xbox™ Controller



www.inertproducts.com • +1-570-341-3751 • Scranton, PA - USA

UNMANNED SYSTEMS

R-Bot UGV

Applications

Handheld

Types

Metal detectors (MD)

Last update

01/01/1970

General description

R-BOT Unmanned Ground Vehicle. Ideal for Remote Inspection, Humanitarian and Demining Operations, EOD, and Financially limited security missions.

Working characteristics

The R-BOT is a low-cost, unmanned ground vehicle (UGV) that can reduce or eliminate the time danger of an operator who must inspect, x-ray, or disrupt a hazardous device. Remotely inspect using 4 onboard cameras, including a pan/tilt master camera. The folding manipulator includes a 360-degree, continuously-rotating gripper that can open doors, flip/lift items from the ground, or move the threat to a safer area for further processing. The R-BOT can lift up to 44 lbs (20 kg), and can reach up to 51" (130 cm) vertically and 23" (58 cm) horizontally. Low cost and minimal maintenance means more freedom to train and less worry about replacing far costlier parts than other bots. SPECIFICATIONS
Weight (in drive configuration | 143 lb (65 kg) with batteries) 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) close 20 lb (9 kg) max extension Gripper Span 6" (150mm) Gripper Rotation 360° (continuous rotation) Speed Up to 1 mph (1.7 km/h) Towing / Pull Force 55 bf (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 Controller - Xbox™ Controller

Dimensional data

Length	00 mm
Weight	65 kg
Transport case information	NA
Transport case weight	00 kg
Transport case weight info	NA
Case dimensions	00

Factory support data

Factory support	Inquire
Warranty	Inquire
Humidity (limitations)	00
Temperature limitations	00

Price

Base price	45000 €
Reduction for higher quantity	Please inquire directly about volume pricing.
Price for training	Training can be offered in the USA or abroad. Pricing is dictated by location and duration. Please inquire directly about training prices.

Other

Additional equipment	NA
Other models	NA

Technical data

Maximum speed	1.7 km/h
Maximum speed mode	00
Max trop duration (no wind)	00 minutes
Max hovering duration (no wind)	00 minutes
Max flight distance (no wind)	00 m
Max wind speed resistance	00 km/h
Operating frequency	00 GHz
Live data transmission	1

Other information

Images