



As seen here, PackBot can be equipped with optional CBRN sensors

PackBot®

The man-transportable, multi-mission robot

Modular, adaptable and expandable, the PackBot can perform bomb disposal, surveillance and reconnaissance, CBRN/ HazMat detection and mapping. Quickly configured based on mission needs, PackBot climbs and descends stairs and navigates narrow passages with sure footed efficiency. PackBot relays real-time video, audio, and sensor data while the operator remains at a safer stand-off distance. More than 4,000 PackBot robots have been delivered worldwide.

The battle-tested PackBot, deployable in less than two minutes, can reach speeds of up to 5.8 mph, overcome obstacles and debris and support numerous disruptors and a broad array of CBRN sensors that deliver real-time intelligence. PackBot climbs slopes and stairs up to 45 degrees, is submersible in three feet of water and is operational in all-weather environments.

 Want to see the Packbot in action?
View a video at www.EndeavorRobotics.com/products



Even with sensors mounted on the arm...

- The manipulator maintains the same lift capacity
- The manipulator still features precision movements



Built under ISO 9001 processes

Weight	31.6 lb (14.3 kg) mobility platform (no batteries) 21.1 lb (9.6 kg) manipulator
Run time	Up to 4 hrs with two (2) BB-2590 batteries Up to 8 hrs with four (4) BB-2590 batteries
Mobility	Speed Up to 5.8 mph (9.3 km/h) Agility Zero radius turn Slopes Up to 43° (ascend, descend) Up to 40° Lateral Stair Climbing 40° [rise 8.5" (21.6 cm), run 10" (25.4 cm)]
Manipulator Lift	11 lb (5 kg) at full extension [(73.5" (187 cm)) 44 lb (20 kg) close-in
Awareness	Four (4) cameras Two-way audio
Compatible	Works as radio repeater for all Endeavor Robotics robots
Expansion	Six (6) payload ports 22 disruptors supported 10 fully integrated HazMat/CBRN sensors 40+ Accessories
Controller	Multiple controller options available, including the uPoint® Multi-Robot Control System

uPoint® Multi-Robot Control System

uPoint is aptly described as a Multi-Robot System. It features a touchscreen-based ruggedized tablet controller that allows an operator to select from an array of connected robots. With this Android™-based controller, the intuitive touchscreen technology in use today on millions of digital devices results in a significantly reduced learning curve for robot operators.

uPoint features an MPU5 radio operating on the Wave Relay® MANET, a self-forming and fault-tolerant network that quickly and continuously adapts in complex or congested environments.



Switch Between Multiple Robots
Easily control multiple robots using intuitive menu

Comms Status
Displays radio strength while you maintain communication in complex environments

3D Robot Model
Helps with visualizing even when your robot is non-line-of sight

Quick Access To Robot Payloads And Maps
Hazmat sensor readings, thermal camera, and more. Maps to localize your GPS location (Requires Accessories)

Two-Way Audio Capable
Listen and talk through the robot

Preloaded Poses
And the ability to create your own poses to rapidly configure your robot

Video Recording
Capture evidence in tablet gallery

Variable Speed
Slider bar easily adjusts chassis and arm speed

CBRN Sensors (Chemical, Biological, Radiological, and Nuclear)

PackBot enables sensing and visual/audible detection of toxic industrial materials, chemical warfare agents, and radiation.



Smiths Detection LCD 3.3 (JCAD)
• Chemical Warfare Agent (CWA) identifier and Toxic Industrial Chemical (TIC) detector



C Canberra Radiac Sensors AN/UDR - 13, 14, 15
• Gamma and neutron radiation detectors
Canberra UltraRadiac-Plus (gamma only) RGU-100
• Gamma and neutron radiation detectors



RAE Systems MultiRAE Pro
• Multi-threat monitor for VOC, O2, LEL, H2S, NH3 and CO detection



Thermo Scientific RadEye GN+
• Gamma and neutron radiation detector/pager

Accessories



LWIR Thermal Camera
• Close-to-medium range detection and identification in fog, smoke, low- and no-light.
• Additional software required.



Block Accessory Tool System (BATS)
• Includes 10 end effectors, 2 extensions, an adapter, and a block that fits within the robot's grippers



PAN Disrupter Mount
• Allows easy installation of the PAN Disrupter on the robot



© 2018 Endeavor Robotics. All rights reserved. Endeavor Robotics, PackBot, and uPoint are registered trademarks of Endeavor Robotics. Wave Relay is a registered trademark of Persistent Systems, LLC.