TELEDYNE FLIR

PACKBOT® 510

Man-transportable, multi-mission robot

APPLICATIONS

EXPLOSIVE ORDNANCE DISPOSAL (EOD)

REMOTE INSPECTION

SURVEILLANCE & RECONNAISSANCE

CBRN/HAZMAT DETECTION*

* SENSORS SOLD SEPARATELY



PackBot 510 is a man-transportable robot that performs bomb disposal, surveillance and reconnaissance, CBRN detection and HazMat handling operations.

PackBot easily climbs stairs and navigates narrow passages, relaying 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.

PackBot is deployable by one person in under two minutes. The robot stows neatly in vehicle, even fitting in a car's trunk.

The PackBot manipulator lifts up to 44 lb (20 kg) and supports numerous accessories, sensors, and disruptor solutions.

PackBot is controlled from the uPoint® Multi-Robot Control system, featuring a touchscreen-based tablet controller that allows an operator to select from across the family of connected robots. PackBot uses the MPU5 radio operating on the Wave Relay® MANET, to form a robust network in which robots, operators, and observers seamlessly operate together.

FEATURES

MAN-TRANSPORTABLE

Deployable by one person in less than two minutes. PackBot stows neatly in vehicle, even fitting in a car's trunk.

MOBILE

Climbs stairs, rolls over rubble and navigates narrow passages.

POWERFUL MULTI-SENSOR CAPABILITY

Four color cameras with zoom and illumination. Supports an optional fifth camera with thermal capability.

CONTROLLABLE FROM THE UPOINT® MULT-ROBOT CONTROL SYSTEM

Using the touchscreen-based ruggedized tablet controller, an operator can select from across the family of connected robots.

SUPERIOR COMMUNICATIONS

The MPU5 radio operating on the Wave Relay® MANET, allows the robot to penetrate deeper into complex structures and further downrange than ever before.

SPECIFICATIONS

Accessories
FLIR LWIR Thermal Camera - the thermal image transmits directly to the robot controller.
Rear Flipper Kit - encourages greater stability when climbing stairs or negotiating terrain.
Integrated CBRN sensor payloads - allow an operator to remotely monitor the environment.
Disruptors and the Firing Control system - accommodates many disruptors including the PAN. Uses an integrated firing circuit on the robot.

Product Specifications	
Weight - (no batteries)	52.7 lb (23.9 kg)
Runtime	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)
Mobility - Agility	Zero radius turn
Mobility - Slopes	Up to 43° (ascend, descend) Up to 40° Lateral
Mobility - Stair Climbing	40° [rise 8.5" (21.6 cm), run 10" (25.4 cm)]
Manipulator Lift	44 lb (20 kg) close-in 11 lb (5 kg) at max extension [(73.5" (187 cm)]
Awareness	Four (4) cameras Two-way audio
Compatible	Connects to the Wave Relay® MANET, to form a robust network in which robots, operators, and observers seamlessly operate together.
Expansion	Multiple 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
Export Regulations	EAR





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