



**MAN-TRANSPORTABLE,
MULTI-MISSION ROBOT**

FLIR PackBot® 525

FLIR PackBot 525 brings new and improved capabilities to the PackBot product line. Upgrades include state-of-the-art HD cameras, a laser range finder, optional in-situ charging, and more advanced accessory ports.

PackBot deploys in under two minutes to assist with bomb disposal, surveillance and reconnaissance, CBRN detection, HazMat handling operations, and much more.

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.

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

UPGRADE: CAMERAS, ILLUMINATION, AND LASER RANGE FINDER

HD cameras and improved illumination offer a clearer picture in all environments. New laser range finder displays range to target.

UPGRADE: OPTIONAL IN-SITU CHARGING

Keep batteries fully charged and monitor charge status while keeping batteries in the robot.

UPGRADE: ACCESSORY PORT ENHANCEMENTS

Improvements to the digital architecture make integration and placement of sensors and payloads easier than ever.

MAN-TRANSPORTABLE AND MOBILE

Fits easily in the trunk of a car and deploys rapidly in under 2 minutes. Climbs stairs, rolls over rubble, and navigates narrow passages.

CONTROLS AND COMMUNICATIONS

With the intuitive, ruggedized tablet controller, select from across the family of connected robots. The MPU5 radio operates on the Wave Relay® MANET, allowing PackBot to penetrate complex structures further downrange than ever before.

APPLICATIONS & MARKETS

EXPLOSIVE ORDNANCE DISPOSAL (EOD)

LIFT AND CARRY CAPABILITIES

ROUTE CLEARANCE

REMOTE INSPECTION

SURVEILLANCE/RECONNAISSANCE

CBRN/HAZMAT DETECTION

SWAT CALLOUTS

DETAILS

Optional Accessories


FLIR LWIR Thermal Camera - the thermal image transmits directly to the robot controller.

Rear Flipper Kit - offers greater stability when climbing stairs or negotiating terrain.

Integrated CBRN sensor payloads - allow an operator to remotely monitor the environment.

Accessories and mounts available to support disruptors from leading manufacturers

Product Specifications

Weight - (no batteries)	57.9 lb (26.3 kg)
Runtime & Charging	Up to 4 hrs with two (2) BB-2590 batteries Up to 8 hrs with four (4) BB-2590 batteries Optional in-situ charging available
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 of 73.5" (187 cm)
Awareness	Three (3) HD cameras Two-way audio Laser range finder
Compatible	 Connects to the Wave Relay® MANET, to form a robust network in which robots, operators, and observers seamlessly operate together.
Expansion	Multiple payloads ports support disruptors, HazMat/CBRN sensors and other accessories
Controller	The uPoint® Multi-Robot Control System features a tablet with touchscreen control. Optional hand-controller(s) available.
Export Regulations	EAR



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21-0517-UIS-PackBot SpecsSheet LTR



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