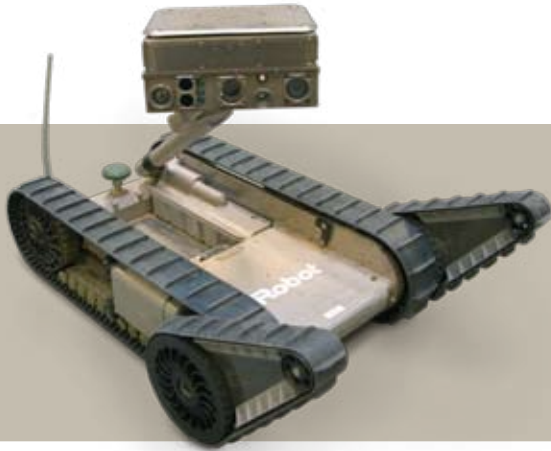


iRobot® PackBot® with RedOwl Sniper Detection Kit

MULTI-SENSOR DETECTION AND TARGETING

PROVEN — ADAPTABLE — VERSATILE



The iRobot PackBot with RedOwl Sniper Detection Kit provides soldiers superior situational awareness and a tactical advantage in urban settings – resulting in safer, less costly and more successful ground troop movement and clearance. The multi-sensor robotic detection platform includes Acoustic Direction Finding (ADF) thermal imaging, laser range finding, day and low-light cameras, and an array of lasers to illuminate or designate potential threats. The versatile, single man-transportable PackBot can drive under vehicles and around obstructions.

RedOwl for iRobot PackBot is a prototype project under the auspices of the Boston

University Photonics Center in coordination with iRobot, Insight Technology and BioMimetic Systems.

IROBOT PACKBOT CHASSIS

With more than 5 years of deployment and after thousands of successful missions, the man-transportable iRobot PackBot is the ultimate investigative tool.

PackBot is a powerful, maneuverable and easy to operate robot that can enter danger zones before soldiers and personnel are exposed to risk.

iRobot PackBot Chassis Specifications and Capabilities

Height 7.5"	Weight 42 lbs (includes 2 batteries)
Width 16" QuickFlip™ flippers off 20.5" flippers on	Max Shock 400 G
Length 27.5" flippers stowed 34.6" flippers extended	Environmental All-weather
	Speed Up to 5.8 mph (2.6m/s)
	Flipper Velocity 90 deg/sec rotation

Microelectronics & Sensors Onboard Mobile Pentium® PC, 256 MB SDRAM, on-board overheat protection, magnetometers, compass accelerometers, inclinometer
Total Capacity Eight payload bays Can carry up to 46 lbs at one time

Battery Endurance 2 NiCad packs 2-12 hours depending on mission profile (optional 4-24 hours with Battery Expansion Kit) Up to 6+ miles of travel
Communications RF: Fully digital 2.4 GHz (up to 3280' range* line of sight) Optional long range antennae *configuration dependent

IROBOT REDOWL SNIPER DETECTION KIT

Identification of the point of hostile gunfire in urban and rural environments is key to successful troop deployment, support and safety.

Integrated on a platform of a battle-proven robot platform combining advanced

technologies, the RedOwl Sniper Detection Kit provides the desired solution to gain superior situational awareness and tactical advantage.

iRobot PackBot with RedOwl is available in Low Rate Initial Production (LRIP) quantities of 20 to 40 units, with the first deliveries available six months from receipt of the order.

iRobot RedOwl Sniper Detection Kit Specifications and Capabilities

Acoustic direction finding for sniper and vehicle detection	3 high power laser illuminators = dot /spotlight / floodlight
300X ZOOM infra-red (IR) low light / daylight color camera	Digital compass with integrated GPS
2X ZOOM thermal imager	2 wide angle cameras (front and back)
Laser range finder to 10 km	



Microphones and speakers (front and back)
Communications link
Super bright white LED driving light

About iRobot

iRobot Corp. specializes in behavior-based robots that help people complete tasks with better results. More than 2,000 iRobot PackBot® tactical mobile robots have been delivered worldwide.

These robots have also been credited with saving the lives of many men and women of the U.S. Armed Forces around the world.

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