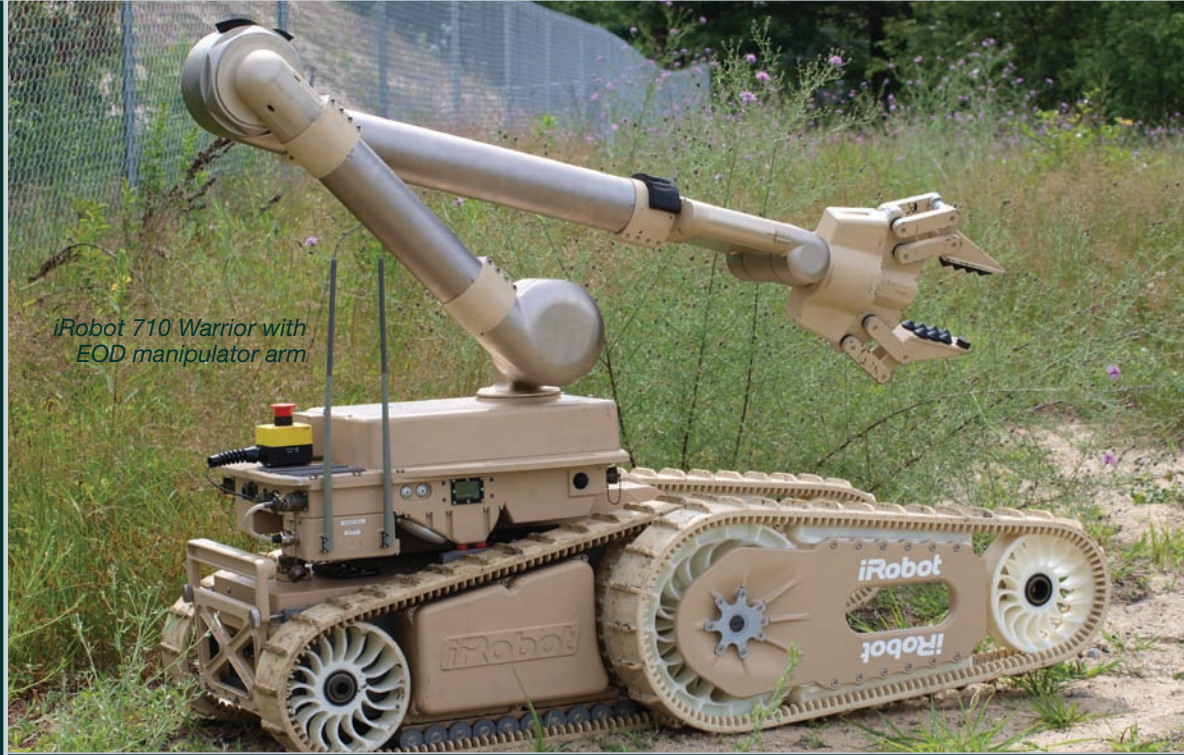


- Successfully execute EOD, reconnaissance and other missions...
- Get real-time intelligence and complete situational awareness...
- Move weapons and other heavy payloads...

Powerful and rugged, the iRobot 710 Warrior is a multi-mission robot that carries heavy payloads, travels over rough terrain and climbs stairs.



The multi-mission, modular robot with superior power.

Advanced Robot Features

Versatility – Highly configurable, 710 Warrior is designed to meet the demands of dangerous situations, including chemical detection, battlefield casualty extraction and weaponized missions.

Reliability – Suitable for indoor and outdoor use, 710 Warrior maintains mobility on tough terrain, in urban environments and in all weather conditions.

Expandability – 710 Warrior accommodates a wide range of payloads and accessories, enabling multiple missions.

Featuring an advanced digital architecture and a sturdy platform that carries payloads exceeding 150 pounds, 710 Warrior performs a variety of critical missions:

Bomb Disposal / EOD (IEDs / VBIEDs / UXO)

Neutralize roadside bombs, car bombs and other IEDs, as well as unexploded ordnance.

SWAT / First Responders / Bomb Squads

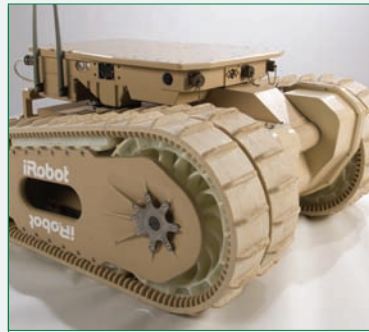
Resolve high-risk scenarios safely, including hostage situations, search and rescue and other dangerous incidents.

Surveillance / Reconnaissance

Evaluate danger zones and inaccessible areas, including urban settings, with real-time video and sensor readings.

710 Warrior is highly configurable to meet the demands of real-world situations:

Explosive Ordnance Disposal
Route Clearance
Vehicle-Borne IED
SWAT
Reconnaissance
HazMat
Battlefield Casualty Extraction
Chem-Bio Detection
Building Clearance
Target Acquisition
Breaching Missions
Weaponized Missions



iRobot 710 Warrior Capabilities and Specifications

Warrior Chassis:

- Length: 35" (88.9 cm)
- Width:
 - 21.25" (54 cm) with flippers removed
 - 30.25" (76.8 cm) with flippers installed
- Height: 18" (45.7 cm) stowed
- Vehicle Weight: 285 lbs (129.3 kg)
- Battery Weight: 57.5 lbs (26 kg)
- Allocated Payload Weight:
 - In excess of 150 lbs (68 kg)
- Max Speed: 9.3 mph (15 km/h)

Environmental

- Designed to be stored in temperatures from -40°F to 160°F (-40°C to 71°C)
- Designed to operate in temperatures from 14°F to 104°F (-10°C to 40°C)
- Designed to an ingress protection of IP67

Software

iRobot Aware® 2 Commercial Robot Intelligence Software

- Extensible robot and OCU software customize your system with new capabilities
- Third-party payload integration services available

iRobot Warrior 710 Application Software

Integrated assist behaviors

- Pose control

Communications

- Modular approach allows use of any ethernet radio

Wireless Range:

- 2624 ft (800 m)

Deployment

- Rapidly deployable from standard vehicle

Navigation

Supports assisted tele-operated behavior:

- Optional obstacle avoidance sensors
- Intelligent payload positioning
- IMU, optional compass, optional GPS

Mobility

Dual track system with articulated flippers for enhanced mobility

- Extreme mobility in aggressive terrain and urban environments
- Suitable for indoor and outdoor missions
- Vertical Obstacles: 18.5" (47 cm)
- Stair Climbing: 45°
- Slopes: 45°
- Water Ford: 30" (76.2 cm)
- Gap: 24" (61 cm)

Available Payload Ports:

- 2 @ 500W
- 3 @ 100W

Hardened Electronics

Designed to meet:

- MIL-STD-461
- MIL-STD-464

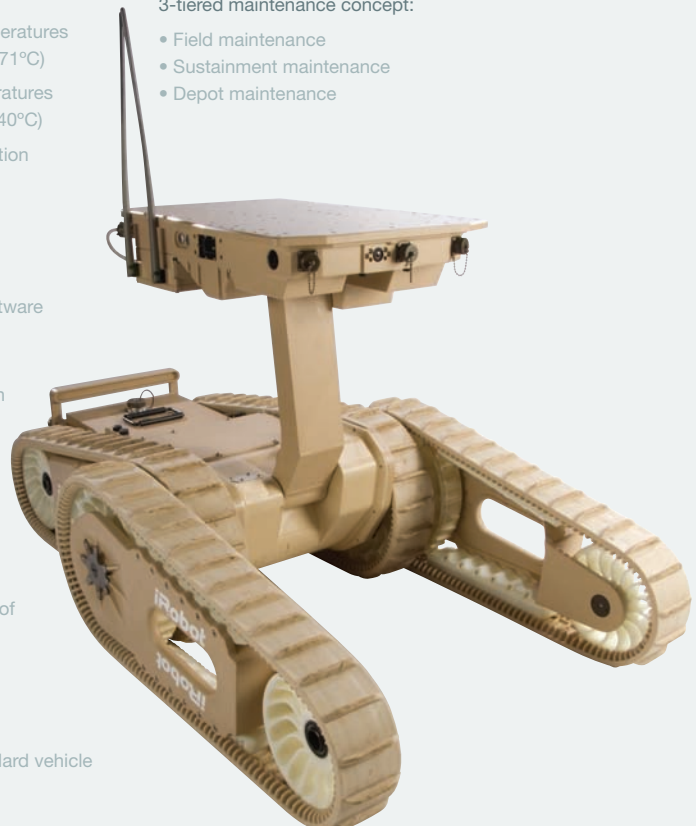
Power Source

- 12 BB-2590/U Batteries
- 60 second tool-less battery installation/removal

Maintenance

3-tiered maintenance concept:

- Field maintenance
- Sustainment maintenance
- Depot maintenance



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