Successfully execute EOD, reconnaissance and other missions…

Get real-time intelligence and complete situational awareness…

Move 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.

*With an advanced digital architecture and a sturdy platform that carries heavy payloads, 710 Warrior performs a variety of critical missions.*

**Why 710?**

**Superior speed, strength and mobility**
Travels 8 mph and carries payloads in excess of 150 pounds, including up stairs and over rough terrain.

**Aware® 2 software**
Facilitates easy configuration, training and support.

**Modular payload integration**
Includes standard power and Ethernet interfaces on all ports.

**Easy to transport**
Loads in the trunk of a car. No expensive, specialized equipment or vehicles are necessary.

**Advanced Robot Features**

**Versatile** – Highly configurable, 710 Warrior is designed to meet the demands of dangerous situations.

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

**Expandable** – 710 Warrior accommodates a wide range of payloads and accessories, enabling multiple missions.
iRobot 710 Warrior
is highly configurable
to meet the demands
of real-world situations:

Explosive Ordnance Disposal
Remote Detection
Route Clearance
SWAT
Reconnaissance
Building Clearance
Breaching Missions
Heavy Lifting
Industrial Applications
Nuclear Applications

Powered by Aware 2 robot intelligence software, the 710 robot and Operator Control Unit accommodate a wide range of payloads and accessories that enable multiple missions.

iRobot 710 Warrior Chassis
Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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| Height                   | * 18" (45.7 cm) stowed (for the chassis only)  
* 29.8" (75.7 cm) stowed  
(with 2-link manipulator arm) |
| Width                    | * 21.2" (54.1 cm) with flippers removed  
* 30.2" (76.7 cm) with flippers installed |
| Length                   | * 35" (88.9 cm) for the chassis  
* 41.5" (105.5 cm) with 2-Link manipulator installed |
| Weight                   | * 365 lbs (165.6 kg)  
* 500 lbs (226.8 kg) with arm installed  
(both figures are inclusive of battery and fliper weight) |
| Allocated Payload Weight | * In excess of 150 lbs (68 kg) |
| Max Speed                | * 8 mph (12.9 km/h) |

Environmental
* Designed to an ingress protection of IP67
* Designed to meet:
  - MIL-STD-461
  - MIL-STD-464
  - Conforms to the emissions requirements of EN 61000-6-4:2007, +A1:2011
  - Conforms to the immunity requirements of EN 61000-6-2:2005

Communications
* Digital radio - 2.4 GHz or 4.9 GHz
* Allows use of other ethernet radios

Wireless Range
2600 ft (800 m)

Deployment
about 60 seconds

Mobility
Dual track system with articulated flippers for enhanced mobility:
* Extreme mobility in aggressive terrain and urban environments
* Suitable for indoor and outdoor missions
* Ability to recover from a roll
* Vertical Obstacles: 18.5" (47 cm)
* Stair Climbing: 45°
* Slopes: 45°
* Water Ford: 18" (45.7 cm)
* Gap with arm installed: 36" (91.4 cm)

Power Source
* 12 BB-2590/U Batteries
* Runtime of 4 to 10 hours
* about 60 second battery installation / removal

Maintenance
3-tiered maintenance concept:
* Field maintenance
* Sustainment maintenance
* Depot maintenance

Navigation
Supports assisted tele-operated behavior:
* Optional obstacle avoidance sensors
* Intelligent payload positioning
* IMU

2-Link Heavy-Lift
Manipulator Specifications
* Arm Extension: 75" (192.2 cm)
* Arm Weight: 135 lbs (61.2 kg)
* Lift Capacity:
  - In excess of 70 lbs (31.6 kg) at full extension
  - 300 lbs (136.1 kg) at close-in position
* Nominal gripper strength of 700 lbs
* Turret camera
* Gripper cameras
* Quick disconnect from chassis
* Quick disconnect gripper
* 4 payload ports providing power, Ethernet and video

This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions. iRobot reserves the right to change specification, design and price of the products described in this literature without notice. These items are on the USML and require Department of State Export License.

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