

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.



*iRobot 710 Warrior with
manipulator arm*



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.

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.

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

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 flipper weight)
Allocated Payload Weight	• In excess of 150 lbs (68 kg)
Max Speed	• 8 mph (12.9 km/h)

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iRobot®

Environmental	• Designed to an ingress protection of IP67 • Designed to meet: - MIL-STD-461 - MIL-STD-464 • Certified to European Community Council Directive 2004/108/EC Heavy Industrial: - Conforms to the emissions requirements of EN 61000-6-4:2007, +A1:2011 - Conforms to the immunity requirements of EN 61000-6-2:2005
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Communications	• Digital radio- 2.4 GHz or 4.9 GHz • Allows use of other ethernet radios
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Wireless Range	2600 ft (800 m)
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Deployment	about 60 seconds
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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)
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Payload Ports	• 2 @ 500W • 3 @ 100W
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Power Source	• 12 BB-2590/U Batteries • Runtime of 4 to 10 hours • about 60 second battery installation / removal
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Maintenance	3-tiered maintenance concept: • Field maintenance • Sustainment maintenance • Depot maintenance
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Navigation	Supports assisted tele-operated behavior: • Optional obstacle avoidance sensors • Intelligent payload positioning • IMU
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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
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