

Get immediate situational awareness in a wide range of mission environments...

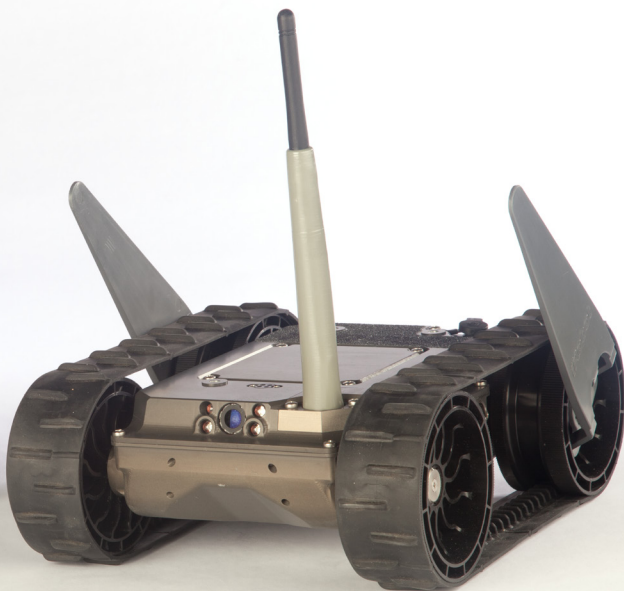
Maintain a persistent presence for more than six hours...

Investigate tunnels, ditches, culverts and other hard-to-access places...



The small, light, throwable robot

- The iRobot 110 FirstLook is a small, light, throwable robot that provides hasty situational awareness, performs persistent observation and investigates confined spaces. FirstLook is ideal for a range of infantry missions and special operations, including building clearing, raids and other close-in scenarios.



Portable

FirstLook is light, small and stores in a standard load-out. The robot weighs about 5 pounds and is 10 inches long, 9 inches wide and 4 inches tall.

Rugged

FirstLook is throwable. The robot can survive 16-foot drops onto concrete and is waterproof to 3 feet.

Mobile

FirstLook is maneuverable in a variety of environments. The robot climbs steps up to 7 inches high, overcomes curbs and other obstacles, turns in place and self-rights when flipped over.

Flexible

FirstLook operates efficiently in challenging conditions. The robot gets more than 6 hours of runtime on a typical mission and uses IR illumination to enhance low light and no light operations.



iRobot Corporation
8 Crosby Drive
Bedford, MA 01730
www.irobot.com

Sales Contact
888.776.2687
(Toll Free in USA)
+(1) 781.430.3090
(international customers)
sales@irobot.com

Media Contact
781.430.3182
publicrelations@irobot.com

Robot Specifications

System components

FirstLook robot
Operator Control Unit (OCU)
Robot and OCU charger with BB-2590 Adapter

Weight

5.2 lbs. (2.4 kg)

Height

4 in. (10.2 cm)

Length

10 in. (25.4 cm)

Width

9 in. (22.9 cm)

Speed

Up to 3.4 mph (1.5 m/s)

Radio communication

Line-of-sight range up to 656 ft. (200 m)
Digital radio
Modular interface

Radio frequencies

Default: 2.4 GHz
Optional: 4.9 GHz

Cameras

4 built-in cameras –
front, rear and side-facing
Adjustable exposure and gain
Pan, tilt and 8X digital zoom

Illumination

Infrared

Runtime

More than 6 hours on average

Payload expansion

Payload accessory port and optional Picatinny rail mount facilitate integration of specialized cameras, thermal imagers, chem-bio sensors and disruptive payloads

Rugged

IP67 (submersible to 3.3 ft./ 1 m)

Operating temperature

-4° to 131° F (-20° to 55° C)

Autonomous behavior

Self-right

Operator Control Unit (OCU)

Size

4.5 in. L x 8 in. W x 1.25 in. H (11.4 cm L x 20.3 cm W x 3.2 cm H) excluding collapsible antenna

Weight

1.8 lbs. (0.8 kg)

Environmental

Rugged, water-resistant

Screen

5 in. (12.7 cm) LCD screen
800 x 480 resolution

Lithium-Ion battery

Game-style control layout

Integrated radio

Aware® 2 robot intelligence software

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