iRobot

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 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.

Small, light, throwable

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.

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.

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.



Robot Specifications

lobot opcomoations	
System components	FirstLook Robot Operator Control Unit (OCU) Robot and OCU charger with BB-2590 Adapter
Height	• 4" (10.2 cm)
Width	• 9" (22.9 cm)
Length	• 10" (25.4 cm)
Weight	• 5.4 lbs (2.45 kg)
Speed	• Up to 3.4 mph (5.47 km/h)
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 facilitates integration of specialized cameras, thermal imagers, chem-bio sensors, and charge deployment accessories.
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	• 4.3" L x 9" W x 1.8" H (11.4 cm L x 20.3 cm W x 3.2 cm H) excluding collapsible antenna	
Weight	• 2 lbs (0.8 kg)	
Environmental	Rugged, water-resistant	
Screen	• 5" (12.7 cm) LCD screen • 800 x 480 resolution	
Lithium-lon battery		
Game-style control layout		
Integrated radio		
Aware® 2 robot intelligence software		

Integrated Deployment and Expand FirstLook's capabilities

Camera (IDAC) Accessory with integrated features. Includes an adjustable camera mounted on a flexible mast for increased situational awareness and motorized retention pins for payload deployment.

- 270-degree adjustable camera angle
- Visible light Illumination
- Three motorized retention pins

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

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. Some items are on the USML and require Department of State export license.

©2012 iRobot Corporation. All rights reserved. iRobot, Aware and FirstLook are registered trademarks of iRobot Corporation. [00570.0712.v1]