



FIRSTLOOK®

Throwable, rugged robot

APPLICATIONS

BUILDING CLEARING

CLOSE-IN SCENARIOS

CBRN/ HAZMAT DETECTION

**SURVEILLANCE/
RECONNAISSANCE**

REMOTE INSPECTION



FirstLook is a throwable, rugged and expandable robot that provides immediate situational awareness, performs persistent observation and investigates dangerous and hazardous material while maintaining a safer stand-off distance for operators. Quick to power-up, FirstLook can be deployed in a moment's notice.

FirstLook allows operations where other robots can't fit or maneuver. This rugged, lightweight robot can be inserted into structures and provides operators with visual, audio, and sensor feedback before entry. Maneuverable in a variety of environments, FirstLook climbs small obstacles, overcomes curbs, turns in place and self-rights when flipped over.

FirstLook is controllable from a variety of controllers, including the uPoint® Multi-Robot Control system, featuring a touchscreen-based tablet controller that allows an operator to select from across the family of connected robots. FirstLook uses the MPU5 radio operating on the Wave Relay® MANET, to form a robust network in which robots, operators, and observers seamlessly operate together.

FEATURES

THROWABLE, RUGGED, AND MANEUVERABLE

Weighing 6.6 lb (3kg), FirstLook survives 16 ft (5 m) drops onto concrete.

HIGHLY MANEUVERABLE

FirstLook climbs obstacles up to 7" (17.8 cm) high, overcomes curbs, turns in place and self-rights when flipped over.

POWERFUL MULTI-SENSOR CAPABILITY

Four color cameras with zoom and illumination, plus audio capability are integrated into FirstLook. Optional CBRN/ HazMat sensors available.

CONTROLLABLE FROM THE UPOINT® MULT-ROBOT CONTROL SYSTEM*

Using the touchscreen-based ruggedized tablet controller, an operator can select from across the family of connected robots.

SUPERIOR COMMUNICATIONS

The MPU5 radio operating on the Wave Relay® MANET, allows the robot to penetrate deeper into complex structures and further downrange than ever before.

*Also controllable from the Game-Style Controller

SPECIFICATIONS
Accessories

Integrated Deployment and Camera (IDAC) - remote payload deployment platform with fixed camera with white light LED.

RAE Systems MultiRae Pro Sensor - multi-threat monitor for VOC, O2, LEL, H2S, and CO detection.


Boson® longwave infrared (LWIR) thermal camera – Boson 640, 42mm, 18° FOV and Boson 640, 4.9mm, 95° FOV

Small Lightweight Manipulator (SLM) - max lift capacity of 3.5 lb (1.6 kg).

Disruptors and the Firing Control System - accommodates recoilless disruptors, like the CDC CarbonFire 10. Uses a third-party firing circuit.

Consumables Kit - includes robot antenna, tracks, wheels, flippers, and more.

Product Specifications

Weight - Mobility Platform (including integrated battery)	6.6 lb (3 kg)
Weight - Optional Manipulator	3.7 lb (1.7 kg)
Runtime	6-8 hours
Mobility - Speed	Up to 2.7 mph (4.3 km/h)
Mobility - Agility	Zero radius turn
Mobility - Slopes	30° (ascend, descend and lateral)
Mobility - Vertical Obstacles	7" (17.8 cm)
Optional Manipulator Lift	3.5 lb (1.6 kg)
Awareness	Four (4) fixed-focus Near infrared (NIR) cameras Audio
Compatible	 Connects to the Wave Relay® MANET, to form a robust network in which robots, operators, and observers seamlessly operate together.
Expansion	Multiple payload ports, multiple accessories, sensors and disruptors supported
Controller	Multiple controller options available, including the uPoint® Multi-Robot Control System
Export Regulations	EAR


AMERICAS

19 Alpha Road
Suite 101
Chelmsford, MA 01824-4237

This product is subject to United States export regulations and may require US authorization prior to export, reexport, or transfer to non-US persons or parties. Diversion contrary to US law is prohibited. For assistance with confirming the Jurisdiction & Classification of Teledyne FLIR, LLC products, please contact exportquestions@flir.com. ©2021 Teledyne FLIR LLC. All rights reserved.

Revised on 08/26/21
FirstLook_Datasheet-LTR 21-0826