

FIRSTLOOK® Throwable, Rugged Robot



*detection
monitoring
identification*

radiation

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 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.



APPLICATIONS

- BUILDING CLEARING
- CLOSE-IN SCENARIOS
- CBRN/ HAZMAT DETECTION
- SURVEILLANCE/ RECONNAISSANCE
- REMOTE INSPECTION

FEATURES

THROWABLE, RUGGED, AND MANEUVERABLE

Weighing 6.6 lb (3 kg), 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® MULTI-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.

FIRSTLOOK[®]

SPECIFICATIONS

Accessories

Integrated Deployment and Camera (IDAC) - remote payload deployment platform with fixed camera with white light LED.
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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	uPoint [®] Multi-Robot Control System
Export Regulations	EAR

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