TELEDYNE | FLIR Defense

FIRSTLOOK® 125

Throwable, Personal Reconnaissance Robot

APPLICATIONS

DISMOUNTED AND MOBILE OPERATIONS

INTELLIGENCE, SURVEILLANCE AND RECONNAISSANCE (ISR)

CONFINED SPACE OPERATIONS

SUBTERRANEAN OPERATIONS

BUILDING CLEARING



FirstLook® 125 is a rugged, throwable, Unmanned Ground System designed to serve as an operator's first line of remote engagement. Organic to the squad and fire team level, FirstLook reduces risk to operational forces by delivering real time visual, thermal, and audio situational awareness across complex terrain.

Built for real world abuse, FirstLook is a lightweight 5.7 lb (2.6 kg) robot engineered to sustain 16 ft (5 m) drops and self right instantly to remain mission ready. Using rugged articulated flippers, the robot pushes through debris, climbs obstacles, and maneuvers inside confined spaces. Equipped with an enhanced EO/IR camera suite, integrated illumination, and two way audio, the robot provides comprehensive situational awareness in low light, GPS denied, and cluttered environments to preserve operator decision advantage. FirstLook 125 is a personal reconnaissance system that supports missions where speed, reuse, and reliability are critical.

FEATURES

LIGHTWEIGHT, MAN PORTABLE DESIGN

Purpose built for single operator carry, enabling rapid deployment and sustained dismounted operations without degrading mobility or endurance.

THROWABLE AND DROPPABLE WITH RAPID MISSION READINESS

Engineered for tactical deployment through windows, doorways, and confined spaces, allowing immediate emplacement without compromising sensing, mobility, or system survivability.

HIGHLY MOBILE

Advanced tracked mobility optimized for stairwells, rubble, and uneven terrain, delivering stable, reliable movement in complex environments.

INTEGRATED DAY/NIGHT ISR WITH SECURE, REAL TIME LINK

Visible and infrared imaging provides continuous situational awareness, paired with encrypted, low latency video and control links for immediate operator decision making.

CONTROLLER COMPATIBILITY

The single handed tactile device combines an intuitive design with an analog pan/tilt joystick and throttle control, enabling confident, gloved operation in fast moving environments. Compatible with FirstLook 125 and Black Hornet® 4.

RADIO RELAY

Extend your range on the ground with another FirstLook or in the air with a Black Hornet 4.

For more information contact:
UGS_Sales@TeledyneFLIR.com

SPECIFICATIONS

Product Specifications	
Weight	5.7 lbs. (2.6 kg)
Runtime	Up to 5 hours (User replaceable battery)
Awareness	HD Cameras (360° Coverage) Thermal Cameras (Front and Rear) Two-way Audio
Mobility - Speed	6.2 mph (10 km/hr)
Mobility - Agility	Zero radius turn
Mobility - Slopes	30°
Mobility - Obstacles	6" (15.2 cm)
Ruggedness	Throwable Distance – 32.8 ft (10 m) Droppable Distance – 16.4 (5 m)
Illumination	White Light NIR
Environmental	IP-67 ML-STD-810H
Controller	Chest mounted ruggedized EUD Single-handed tactile device
Interoperability	Black Hornet 4 ATAK Nett Warrior
Expansion	Payload port





AMERICAS

25 Esquire Road
North Billerica, MA 01862-2501

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