

Introducing Darley Robotics

The fire industry continues to evolve as technology advances. Darley has been committed to delivering innovative and life-saving solutions to first responders and tactical communities since 1908, and now Darley is unveiling their newest line of first response and tactical solutions, Darley Robotics. The basic concept for robotic use in first response situations is simple; to reduce the risk to human life in a potentially dangerous situations and quickly gather crucial information. Robots are easy to use, immediately deployable, and can be equipped with cameras, sensors, thermal imagers and chemical or gas detectors to relay real-time information to mission commanders at the scene.

Darley has partnered with industry leaders to provide the world's best robotic technology available for air, land and sea that can be used for a wide array of applications such as large scale incident management, natural disaster assistance and scene investigation. Darley Robotics is committed to provide you with the trusted experience and the technical expertise to deliver a robotic platform that can best suit your demands. Please visit www.darley.com to view videos, read customer testimonials and join discussion boards to learn more about what Darley Robotics can do for you.

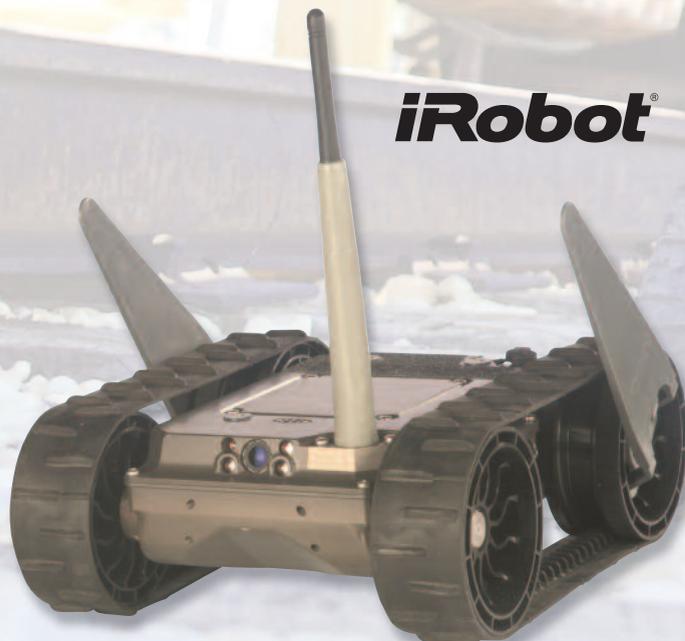
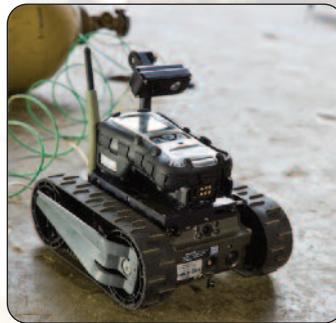
iRobot® 110 FirstLook®

Compact, Rugged and Expandable Lightweight Robot with Multi-Mission Flexibility

The iRobot® 110 FirstLook® robot provides immediate situational awareness, performs persistent observation, and investigates and manipulates dangerous and hazardous materials while keeping the operator out of harm's way. FirstLook is easily carried, throwable, and quickly deployed. Among numerous integrated accessories and payloads, FirstLook can be equipped with a Small Lightweight Manipulator (SLM) to interact with the environment. Sensor agnostic, FirstLook integrates numerous third-party sensors for HazMat, CBRN missions and supports thermal imagers for invaluable real time information in darkness, fog, smoke, and other visually challenging environments.

Features:

- ▶ Rugged, lightweight, Operator Control Unit enables easy robot operation
- ▶ Throwable (robot without accessories or payloads)
- ▶ Highly mobile tracked propulsion with skid steering and zero radius turn
- ▶ Integrated lithium ion rechargeable batteries



Portable

FirstLook is light, small, and stores in a standard load-out. The throwable robot weighs approximately 5 lbs. and is 4" tall, 9" wide, and 10" long.

Rugged and Agile

FirstLook® can survive 15 foot drops onto concrete and is waterproof down to 3.3 feet. Equipped with flippers, the robot can overcome obstacles up to 7" high, turn in place, and self-right when flipped over.

Expandable

FirstLook® operates in challenging conditions. The robot can operate for more than six hours on typical missions and is equipped with four Near Infrared (NIR) enabled cameras, providing 360° continuous awareness.

Visibility

FirstLook equipped with the Integrated Deployment and Camera (IDAC) enables operators to receive real-time information from third-party sensors secured to the robot. The IDAC can also be used to deliver and place transponders and sensors in hard to reach locations while investigating tunnels, culverts, or buildings. IDAC provides a 270° adjustable mast camera, visible light illumination, and comes equipped with three motorized pins to secure and release objects.

iRobot® FirstLook® Robotic Systems are available through Darley in the United States, Mexico, Canada and select Caribbean countries. iRobot® and FirstLook® are registered trademarks of iRobot® Corporation.

Darley STINGER

Taking the Industry to a Higher Level of Safety

The Darley Stinger is a situational awareness tool capable of lifting up to a five pound payload. The Stinger comes standard with an HD video camera, with optional upgrade to a Thermal Imaging Camera. In addition to imagery, the Stinger has been integrated with a Persistent Systems wave relay module, a Mobile Ad- Hoc Networking System. Contact us for more information on the capabilities of the Stinger.



Specifications:

- ▶ Flight Time: 30 minutes per battery charge
- ▶ Weight: 5 lbs.
- ▶ Dimensions: 21"x21"x7"
- ▶ Multiple Flight Modes: Hands-free hovering, GPS hold, altitude hold, manual mode
- ▶ Range: Up to 2 miles
- ▶ Temperature: Wide range from -10° to 100°F
- ▶ Wind Tolerance: Up to 30 mph
- ▶ Stabilizing Landing Gear: Shock absorbing legs

Features:

- ▶ HD video and thermal imaging via 5.8 GHz, 1.3 GHz or 900 MHz transmitter, IP camera and Persistent Systems Wave Relay®
- ▶ Carbon Fiber frame
- ▶ 14" LCD sunlight readable screen in case
- ▶ Custom payload options



Durable padded case

InstantEye

Low Cost, Lightweight Electric Hovering sUAS

Designed to be rapidly deployed to gather local (<1200 m) short term (<35 min) situational awareness. The InstantEye is capable of flying in inclement weather including winds exceeding 30 mph, heavy rain/snow, altitudes up to 12,000 ft MSL, and temperatures between -10 to 115°F. The standard payload consists of three fixed EO cameras with IR illumination for night capability. Other plug and play payloads include a gimbaled, zoomable, LWIR thermal imager, drop mechanism, and high resolution camera. Kit includes two InstantEye aircrafts, compact ground station controller, batteries, charging system, and spare components.



Specifications:

- ▶ Aircraft Weight: ~1 lb.
- ▶ Dimensions: 9"x9"
- ▶ Plug-n-Play Payloads: Real-time video, thermal, IR flood
- ▶ Propulsion: 4 brushless electric motors
- ▶ Video Range: LOS 650 – 1200m
- ▶ Control Interface: Handheld GCS, digital encrypted
- ▶ Stowage: Waterproof custom fit case, 2 InstantEye aircrafts, 1 GCS, batteries, charger, spare motors and propellers
- ▶ GCS: Trans-reflective daylight readable screen
- ▶ Service Ceiling: 12,000+ ft MSL
- ▶ Wind Station Holding: 30+ mph
- ▶ Endurance: 20-35 minutes (Payload dependent)

Features:

- ▶ Deploys in seconds
- ▶ Military utility demonstrated
- ▶ Covert day/night (thermal) real time aerial ISR
- ▶ All weather, winds 30+ mph
- ▶ Compact size



Custom fit padded case

