

The surveillance robot is our mobile lightweight tactical platform. It is built durable, low-profile, and ready to take on any situation.

Qualified by a series of NIST tests, it can be deployed by in hazardous environments, navigate rough terrain, and ascend stairways.



STAIR CLIMBING

Capable of climbing household stairs and obstacles. For more aggressive terrain and steeper stairs, includes flipper/stabilizer arms, which are used to stabilize the robot while overcoming high obstacles and aid in preventing the robot from rolling over.

REMOTE SURVEILLANCE

The robot uses a set of forward and rear facing IR cameras which allow the operator to observe from a safe distance, even in low light conditions.

HOSTAGE & HAZARDOUS SITUATIONS

Offers two-way audio in addition to a live video feed, allowing for the operator to locate hostages, identify threats, and communicate with a subject.

REMOTE ROOM CLEARING

Clear rooms and buildings remotely while you remain at a safe distance.

OPEN PLATFORM DESIGN

Allows for installation of a wide array of sensors, making it ideal for HAZMAT and disaster relief.

Enclosed Weather Resistant Chassis

Durable aluminum chassis with a rugged outer coating.

Lithium Iron Phosphate (LiFePO) Battery

The batteries are high-energy density, lightweight, long-lasting, and safe. Easy to remove and replace if needed.

Battery Charging

The smart chargers charge all batteries simultaneously with a single 115V AC plug (230V AC available on request).

Camera System

Strategically placed cameras work in low light using either IR or LED lights.

- Removable 360° pan/tilt 30x zoom camera with LED lights.
- 180° tilt 30x zoom front camera with LED lights.
- IR camera in the rear of chassis.
- Spring-mounted IR driving camera.

Operator Control Unit (OCU) - Digital Radio

Long range transmission, the 2.4GHz high power digital radio system provides secure two-way encrypted transmission between the control system and the robot.

Additional features include: Rugged Case with 12" LCD touch screen, integrated joystick, record video/take snapshots, 2 way audio, quad view display of camera views.



HI RAD ROBOT BLOODHOUND

Additional Options

Repeaters & Monitoring Stations

Significantly increases the operational range and can assist second entry teams.

HAZMAT Sensors

MultiRAE gas sensors for checking atmospheric content, radiation levels, and more.

Backup Batteries

Additional batteries for the robot, OCU, and repeater

Removable Release Hitch

Remotely operated. Can be used to tow stop strips, cables, etc.

Transport Case

Designed to protect your robot in storage and transit.

Flipper/Stabilizer Arms

Provides support when ascending stairs and inclines.

HDMI Out

Display video feed on an external monitor via HDMI.

Additional Customization

We can incorporate features not listed , such as thermal imaging, additional camera systems, LIDAR, button guards, etc.

Main Chassis

Enclosed Weather Resistant Chassis

LiFePO Battery System

Flipper/Stabilizer Arms

Ethernet Jack

Transport Case

Camera System

Nose Tilt 30x Zoom Camera

Spring-mounted IR Drive Camera

Rear IR Camera

Removable 360° 30x Zoo Camera

Operator Control Unit (OCU)

Pelican Case with built in 12" LCD

Video and Image recording

2.4 GHz Digital Radio

Lithium-Ion Battery

Quad Camera view

Dimensions	
Speed	300 ft/min
Runtime	Up to 8 hours
Weight	62 lbs
Length	27 inches
Width	19 inches
Height	15 inches
Ground Clearance	2 inches