

LT2-F BLOODHOUND

LIGHT VERSATILE TRACKED ROBOT



Overview

Tactical Support

The Bloodhound 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](#), the Bloodhound can be deployed by in hazardous environments, navigate rough terrain, and ascend stairways.

Applications

STAIR CLIMBING

Capable of climbing household stairs and obstacles. For more aggressive terrain and steeper stairs, the LT2-F 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 Bloodhound 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

The LT2-F 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

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

Specifications

Weight	57lbs / 25.9kg
Length	27 inches / 68.6cm
Width	19 inches / 48.3cm
Height	7 inches / 17.8cm
Height w/ Camera	15 inches / 38.1cm
Speed	110 ft/min / 1.25 mph / 2kph
Runtime	Up to 8 hours
Ground Clearance	2 inches / 5cm

Features

ENCLOSED WEATHER RESISTANT CHASSIS

Durable aluminum chassis with a rugged outer coating.

LITHIUM IRON PHOSPHATE BATTERY (LIFEPO)

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

Multiple cameras for ease of use and effective surveillance. All 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) - WI-FI RADIO (BASIC ONLY)

An affordable method of controlling the Bloodhound, Wi-Fi radio transmits to a tablet for easy control.

OPERATOR CONTROL UNIT (OCU) - DIGITAL RADIO

Designed for 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 Pelican style case enclosure with 12" LCD touch screen.
- 11.1V 10Ah Lithium-Ion battery system.
- Integrated joysticks for drive, flipper arms, and camera.
- Record video and take snapshots.
- 2-way audio system for hostage negotiation.
- Quad view display of camera views.

UNLIMITED TECHNICAL SUPPORT

TRAINING VIDEO AND PDF OPERATION MANUAL

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. Allows for easy deliver and drop.

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 are prepared to incorporate features not listed on our datasheet, such as thermal imaging, additional camera systems, LIDAR, button guards, etc. Pricing varies on the features requested.



Additional Features

DIGITAL REPEATERS & MONITORING STATIONS

Need to increase your operating range? Want to provide "eyes and ears" for more operators? Our repeaters and secondary monitoring stations help expand your operation! These compact systems are compatible with all SuperDroid Tactical Digital Radio systems. Our secondary monitoring station displays the camera feed for other teams to view. They also double as signal repeaters. These are excellent if you have several entry teams or for investigating extensive areas. Custom repeaters are available on request.



HAZMAT SENSORS

Survey hostile/hazardous situations staying out of harm's way. Use our robots for situations that are too difficult, dangerous, hazardous, lethal, toxic or just too hostile for humans to enter. Our robots can interface directly with MultiRAE HAZMAT sensors and display the information directly on your screen! No need to aim your camera at the sensor! It can also be installed and removed quickly and easily.



BACKUP BATTERY SYSTEM

Additional LiFePO batteries & 11.1V 10Ah control battery system



TRANSPORT CASE

Foam lined transportation case to protect your robot in storage and transit.



SWITCH GUARD

Prevent external tampering with the robots power button in the field.



HDMI VIDEO SPLITTER FOR OCU/REPEATER

Display video feed on an external monitor via HDMI.

HIGH GAIN ANTENNA WITH MAGNETIC BASE

Operate your robot from the safety of your vehicle. Attach this antenna on the exterior to provide a clear signal.

TACTICAL SPOTLIGHT & LASER

Remotely activated spotlight to improve visibility in your field of view. The laser allows for easy indication and focusing.

