

LT2-F BLOODHOUND

Light Multi-Axis Arm Robot



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.

OVERVIEW

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

	BASIC	STANDARD	ADVANCED
Speed	300 ft/min	300 ft/min	300 ft/min
Runtime	Up to 8 hours	Up to 8 hours	Up to 8 hours
Weight	50lbs	57lbs	62lbs
Length	27 inches	27 inches	27 inches
Width	16 inches	19 inches	19 inches
Height	7 inches	7 inches	15 inches*
Ground Clearance	2 inches	2 inches	2 inches

*Height includes removable PTZ camera

FEATURES

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 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.

Main Chassis

	BASIC	STANDARD	ADVANCED
Enclosed Weather Resistant Chassis	✓	✓	✓
LiFePO Battery System	✓	✓	✓
Flipper/Stabilizer Arms	✗	✓	✓
Ethernet Jack	✗	✗	✓
Transport Case	✗	✗	✓

Camera System

	BASIC	STANDARD	ADVANCED
Nose Tilt 30x Zoom Camera	✓	✓	✓
Spring-mounted IR Drive Camera	✗	✓	✓
Rear IR Camera	✗	✓	✓
Removable 360° 30x Zoom Camera	✗	✗	✓

Operator Control Unit (OCU)

	BASIC	STANDARD	ADVANCED
Rugged Pelican-style Case	✗	✓	✓
12" Touchscreen	✓	✓	✓
Video & Image Recording	✓	✓	✓
Wi-Fi Digital Radio	✓	✗	✗
2.4GHz Digital Radio	✗	✓	✓
Lithium-Ion Battery	✗	✓	✓
Integrated Joysticks	✗	✓	✓
2-Way Audio	✗	✓	✓
Quad View Display	✗	✗	✓

PRICING & STANDARD PAYMENT TERMS

1. Available upon request.
2. 1 year warranty included.
3. Payment by check, money order or wire transfer is accepted.
4. Listed price based on 60% Due ARO, remainder prior to shipment.

DELIVERY

1. Procurement of materials, assembly and testing is required
2. Lead time is typically 8-14 weeks
3. Shipping cost FOB Fuquay Varina, NC

GENERAL TERMS

1. SuperDroid Robots, Inc is not responsible for special incidental or consequential damages resulting from any warranty or under any legal theory, including, but not limited to lost profits, downtime, goodwill, damage to, or replacement equipment or property, or any cost of recovering, reprogramming, or reproducing any data stored. ANY LIABILITY SHALL BE LIMITED TO REPLACEMENT OF DEFECTIVE PARTS. SuperDroid Robots, Inc. is further not responsible for any personal damages, including, but not limited to bodily and health damages resulting from any use of our products.
2. SuperDroid Robots, Inc. makes no representations as to the fitness of its products for specific uses. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS HEREBY EXCLUDED.
3. Agreements shall be construed in accordance with the laws of the State of North Carolina, and the rights and obligations created hereby shall be governed by the laws of North Carolina.
4. In the event a dispute or controversy arises, such dispute or controversy (including claims of default) shall be brought in the courts of Wake County, North Carolina and the plaintiff hereby agrees to this choice of venue.

WARRANTY

1. SuperDroid Robots will repair any manufacturing defects for 1 years after shipment. Damage from abuse or neglect will not be covered. Any shipping costs are the responsibility of the purchaser.
2. Unlimited technical support.
3. Consumable items will not be covered by the warranty. Consumable items include, but are not limited to treads, chains, bearings, wheels, and batteries.
4. Extended warranties, spare parts, and maintenance training is available, contact us with specific needs. Service agreements are also available.

