



Robots, Parts, and Custom Solutions

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## MLT Tracked Compact Surveillance Robot



SuperDroid Robots Compact MLT Tactical Surveillance Robot. It weighs less than 8lbs and is drop resistant up to 10 feet. The treaded design and rear flipper arms allow this robot to climb many obstacles other throwable robots can't touch!

#### MLT Compact Robot Specifications:

- Enclosed treaded robot chassis.
- Chassis made from heavy gage aluminum that is laser cut and CNC bent. Chassis seams are welded. Entire body is coated flat black.
- Robot drop resistant to 10 feet.
- IR Camera in nose of robot. Color image with ambient light. Black and White in night mode.
- Flipper Arm/Stabilizer arm can be used to climb over objects up to 10 inches high. The arm can be used as a wheelie bar or stabilizer. Arm can self-right the robot if inverted. A skilled operator can climb household stairs.
- Compact design with all components carefully placed for optimum spacing and most effective operation using solid modeling 3-D CAD software
- Two (2) planetary gear motors - one per side
- Motor controllers for variable speed and direction
- One 14.4VDC 2.2Ahr Li-Ion drive battery. Run time ~1 to 4 hours depending on use
- One 11.1VDC 1.8Ahr Li-Ion video power battery. Run time ~4 hours
- Toggle Power Key Switch
- Total weight of fully assembled robot: ~7.5lbs
- 3.75" Composite cogged wheels that match a positive traction aggressive all terrain tread
- Total height (floor to top of treads): ~4.375 inches, total width: ~9.5 inches, total length: ~12.75 inches
- Ground clearance: ~1 inches
- Speed: 0 to 100 feet per minute, infinitely adjustable/controllable

#### MLT Compact Control Console Specifications:

- Integrated Joysticks
- 2.4GHz for data
- 900 MHz for Video
- Outdoor line of site range: 750 feet
- Indoor range: 300 feet
- Full control of speed and direction for drive motors.
- Full control of speed and direction for Flipper/Stabilizer arm
- 5" color LCD for viewing video
- Extra channel(s) available for other custom options accessories.
- Total Weight of the control console: ~3.3 lbs
- Total height: ~4.5 inches, total width: ~10.75 inches, total depth: ~7 inches

#### Chargers:

- Three smart chargers provided. The chargers are fully automatic and will charge all the batteries simultaneously. 110VAC.
- An additional add-on for the charger is a timer with cutoff circuit. The chargers should not be left on indefinitely. This feature provides a weekly timer that will maintain the batteries so they are always topped off and ready for use even after long storage.



**Optional Secondary Monitoring Station:**

- Can be used as a 2nd set of eyes for a 2nd entry team or command monitoring station.
- Includes a high gain Yagi Antenna that can be used in place of the shown Omni Directional Antenna
- Receives video feed from robot. Must be used within wireless range of robot.
- Extra RCA output for attaching another monitor.



**Optional Front high intensity LED Lights:**

The MLT comes standard with an IR camera for night vision. For added visibility this option adds high intensity LED lights to the nose of the robot. The Lights are embedded in ABS plastic with a Lexan cover to protect them. The lights are wired into the robot's drive power and can be remotely tuned on and off.

**Optional Microphone with Headset Plug in Remote:**

The MLT can have a microphone added to it along with a high gain amplifier. The audio will then be relayed back to the remote with the video transmitter and receiver. The remote will be modified to include a standard headphone jack to plug in headphones to hear the audio.

## Pricing:

Pricing is subject to change without notice. Contact SuperDroid Robots for formal quotation.

| Recommended Features |     | Cost                                      | Detail of Item   |
|----------------------|-----|---|--|
| Ext Cost             | Qty |   |  |
| \$2,498.70           | 1   | \$2,498.70                                | MLT Tracked Surveillance Robot Assembled and Tested  |
| \$2,059.40           | 1   | \$2,059.40                                | MLT Enclosed Compact Handheld Remote with monitor, video and Data Rx and Tx and batteries          |
| \$436.73             | 1   | \$436.73                                  | MLT Battery Charging Station   |
| \$0.00               | 0   | \$371.27                                  | Battery Charging Station Maintenance and Cutoff Timer System                                       |
| \$0.00               | 0   | \$525.50                                  | Portable Handheld Extra 7" LCD Video Receiver Pack with Yagi Antenna                               |
| \$0.00               | 0   | \$290.00                                  | Foam Lined Pelican Shipping and Storage Case for MLT   |
| \$0.00               | 0   | \$234.38                                  | Add High Intensity LED Lights to MLT with Remote Cutoff  |
| \$0.00               | 0   | \$287.22                                  | Provide Microphone and amplifier for MLT and Headphone jack on remote for remote audio monitoring. |
| \$0.00               | 0   | \$56.70                                   | Estimated Shipping from NC US  |
| <b>\$4,994.83</b>    |     | <b>Recommended MLT Surveillance Robot</b> |  |

## Standard Payment Terms:

1. Payment via check, money order, or wire transfer is required.
2. Sixty percent (60%) of price due upon award, remainder prior to shipment.

## Delivery:

1. Procurement of materials, assembly and testing is required. Lead time is typically 3-8 weeks.

## 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 120 days after shipment. Damage from abuse or neglect will not be covered. Additional warranty options are available upon request.
2. Consumable items will not be covered by the warranty. Consumable items include, but are not limited to treads, chains, bearings, wheels, and batteries.
3. Extended warranties, spare parts, and maintenance training is available, contact us with specific needs. Service agreements are also available.