

Robots, Parts, and Custom Solutions

www.SuperDroidRobots.com

Toll Free: (866) SDRobots

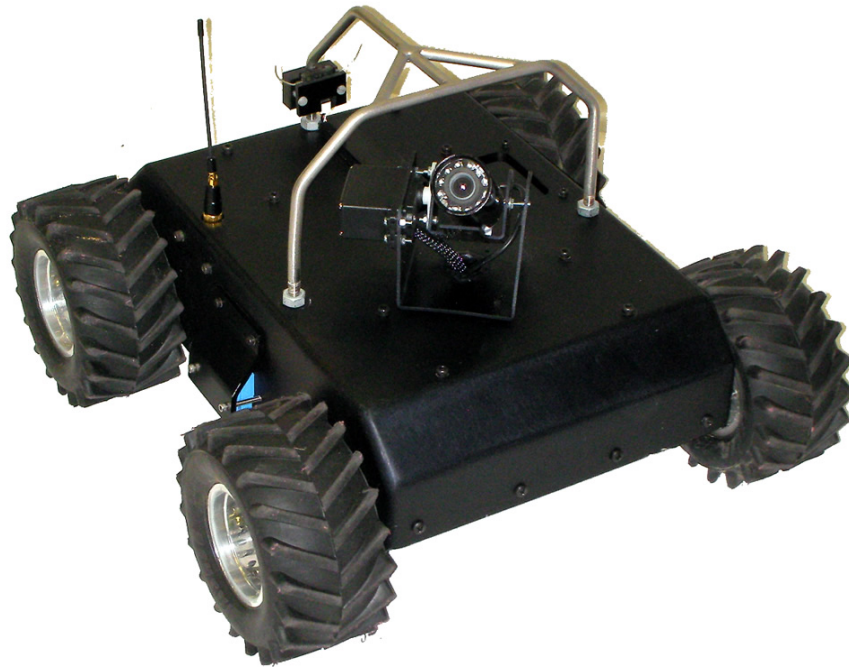
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1421 E. Broad Street #101

Fuquay Varina, NC 27526

UM4 Ultra Mobile 4WD All Terrain Surveillance & Inspection Robot



UM4 Robot Specifications:

- Completely enclosed 4WD robot chassis with integrated pan and tilt camera system
- Compact design with all components carefully placed for optimum spacing and most effective operation using solid modeling 3-D CAD software
- Four (4) planetary IG32P 265RPM 24VDC gear motors - one per wheel
- 22.2VDC 3000mAh Li-Ion drive battery. Run time 1.5 to 8 hours depending on use
- 11.1VDC 5000mAh Li-Ion video power battery. Run time 7-10 hours
- Custom 10Amp dual motor controller specifically designed for this robot
- Fuse blocks, terminal blocks, charging ports, switch, etc. all integrated into the design
- Integrated roll cage that doubles as a carrying handle
- Integrated low profile pan and tilt system with color camera and 10 LED total darkness night vision
- Chassis made from heavy gage aluminum that is laser cut and CNC bent. Chassis seams are welded. Entire body is painted flat black.
- Total weight of fully assembled robot: 14lbs
- Total height (floor to top of roll cage): 9 inches, total width: 13.25 inches, total length: 13.5 inches
- 5" foam filled All-Terrain tires and rims
- Ground clearance: 1.25 inches
- Speed: 0 to 6 feet per second, infinitely adjustable/controllable

UM4 Control Console Specifications:

- Two standard versions available
- Other custom versions are also available such as WiFi, Gamepad controller, etc.
- Standard versions include the following:
 - 2.4GHz frequency spectrum control system (searches for best most reliable channel) with a Fail Safe long range dual receiver
 - 900MHz video transmitter and receiver
 - Tested urban range 200+ yards (effective operation range for video and control with multiple building structures, wireless interference, etc. Concrete and steel walls will reduce range further)
 - Tested rural line of site range 1000+ feet
 - 7" color wide screen LCD for viewing video
 - Full range of speed control for drive motors.
 - Position control of camera pan and tilt
 - Extra channel(s) for lights or other custom options.
 - Includes rechargeable NiMH batteries for control console and video



- Spektrum remote with custom water jet cut mounting bracket for holding battery, 7" LCD and video receiver
- Light weight and portable.
- Pelican case for transporting remote, robot, and charger is included
- Fully assembled and tested



- Pelican case with 7"LCD mounted in the lid and controls mounted in base.
- Light weight can be carried and operated or placed on hood of car or table and operated
- Convenient transport case doubles as operator console, just flip it open, erect antennas, and turn it on.

Chargers:

Three chargers mounted on one bracket. The chargers are for the 24V motor battery, 12V video/control battery, and 12V control console battery. The chargers are fully automatic and will charge all the batteries simultaneously



Pricing:

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

| Extended Cost | Qty | Cost | Description |
|-------------------|-----|------------|---|
| \$2,484.88 | 1 | \$2,484.88 | Assembled UM4 with Pan and Tilt IR Camera System |
| \$1,351.63 | 1 | \$1,351.63 | Handheld Dx5i Remote with RF Video and 7" Color LCD |
| \$0.00 | | \$1,645.28 | Handheld Dx7 Remote with RF Video and 7" Color LCD |
| \$0.00 | | \$1,719.54 | Pelican Case Dx5i Remote with RF Video and 7" Color LCD |
| \$0.00 | | \$2,300.96 | Pelican Case 8 channel DSM2 Remote with RF Video and 7" Color LCD |
| \$0.00 | | \$356.94 | Automatic Battery Charging Station for Remotes and Robot |
| \$0.00 | | \$463.37 | On Screen Display for current, voltage, battery usage (mAHrs) |
| \$0.00 | | \$169.75 | Standard Microphone Audio System |
| \$0.00 | | \$389.55 | PA system with radio for broadcasting from remote to robot |
| \$0.00 | | \$278.86 | Mounted LED Lights with controls |
| \$0.00 | | \$575.01 | Modify UM4 Chassis to allow top removable batteries |
| \$0.00 | | \$299.51 | Spare 22.2V 3000mAh and 11.1V 5000mAh Li-Ion Batteries |
| \$0.00 | | \$425.95 | Foam Lined Pelican Case for UM4 and Remote |
| \$0.00 | | \$40.00 | Shipping |
| \$3,836.51 | | | Total Cost for UM4 |

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. Shipment of robot will not be covered in warranty. If an additional warranty is required, please contact us for a quotation.
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, but never forced upon you!