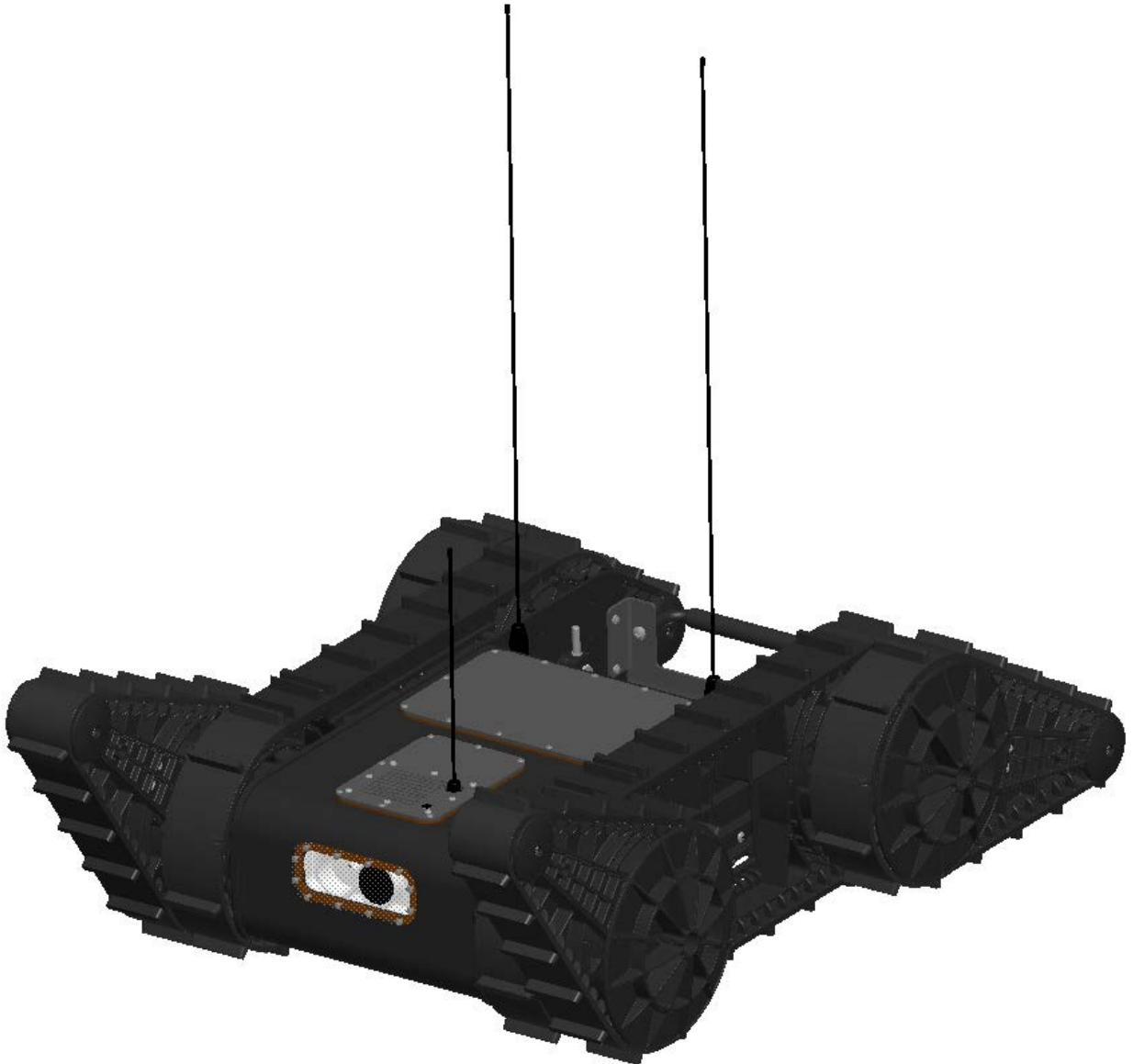


2010

AVATAR[®] *Micro*

Product Brief



ROBOTEX
robot technology solutions

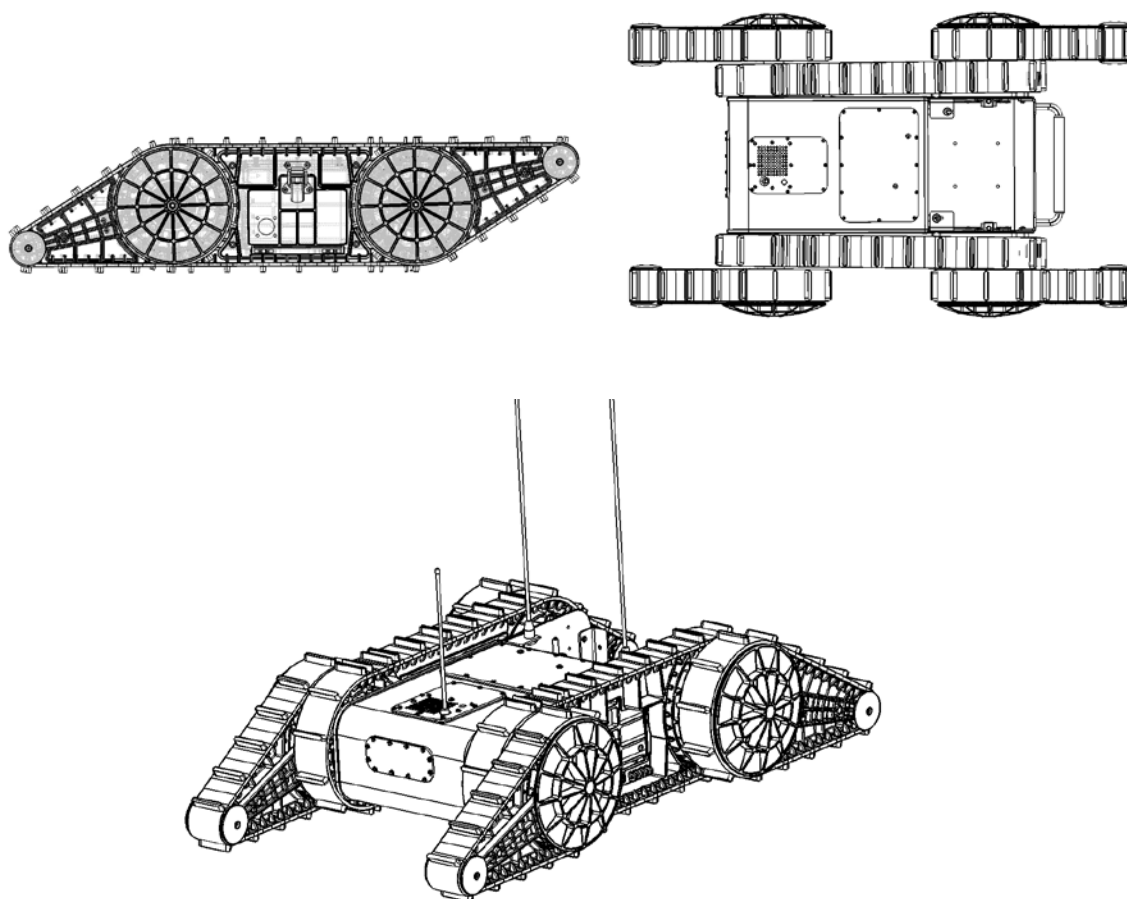
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About RoboteX Avatars®

Avatars® are multi-purpose robotic platforms for personal, academic, industrial, and government use.

Avatars® can be configured in a variety of ways to perform functions such as law enforcement, home security, surveillance, communication, environmental exploration, hazardous material inspection or transport, entertainment, agriculture and gardening, research and general hobby use.



About Avatar[®] Micro

The RoboteX Avatar[®] Micro is a portable, micro-sized robotic platform that is part of the RoboteX Avatar[®] Series.

Features and Specifications

General:

- Easily negotiates varied terrain and stairs using optional quad-flippers
- Features patent-pending toe-in track design for stability and easy turning
- Modular format - quickly interchange payloads
- Operates using a rechargeable Li-Ion battery pack
- Available in a variety of colors

Chassis:

- Durable aluminum alloy and composite materials
- Lightweight – 26 lbs including battery
- Optional articulated flippers with 300 degrees of motion
- Dimensions LWH
 - 17.75", 15.75", 6.25" (folded)
 - 26.75", 15.75", 6.25" (max length)

Features and Specifications, *continued*

Performance:

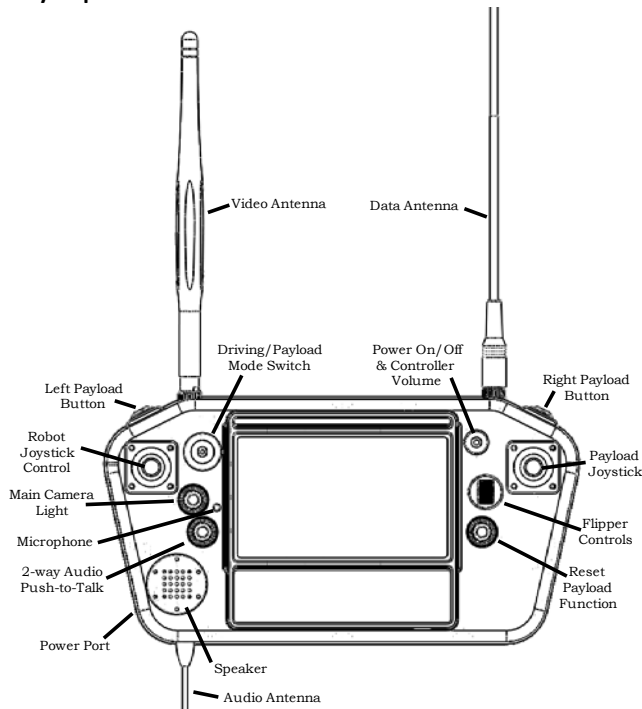
- 1 hour runtime (continuous max power), 3-4 hours (intermittent)
- 3 mph maximum speed
- Up to 200m range of operation
- Ability to self-right if upside-down
- Hub caps prevent being stranded on side
- Climbs 60 degree incline

Electronics:

- Wide-angle IR color camera
- LED headlight
- 3 payload interface connectors
- Reliable motors (brushless)
- Digital control
- 2-way audio speaker and microphone

Handheld Controller

The RoboteX Avatar® Micro comes with a portable handheld controller for simple and easy operation.



Features and Specifications

Controller:

- Handheld, ergonomic, simple self-contained unit
- 5 lbs weight
- 4 hour runtime from internal battery
- Multipurpose on-screen display
 - Battery life indicator
 - Maintenance hour meter
- 2-way audio speaker and microphone
- Charges and operates from a 12VDC cigarette lighter, or 120VAC

Avatar® Micro Payloads

The Avatar® Micro features a “plug and play” chassis design that accommodates a variety of payloads. Three payload connectors on the main chassis allow users to simply install one or more payloads with hand tools, plug them in and operate in minutes.

Payload List

- **PTZ Camera**
 - Attaches in the rear bed of Avatar® Micro
 - Provides pan-tilt-zoom video

- **Manipulator Arm** **available 2012*
 - Attaches to top of Avatar® Micro
 - 4-axis arm and manipulator gripper
 - Color IR camera
 - 25” reach
 - 6 lb lifting capability

- **Custom Payloads**
 - Available upon request; contact your Account Manager
 - Lead-time is 2-6 months depending on requirements

Avatar[®] Micro Accessories

The Avatar[®] Micro can be equipped with accessories and upgrades to suit user needs and requirements. Customization is also possible with relatively short lead times.

Accessory List

- **Battery and Charger**
 - High capacity Li-Ion battery pack
 - Charger for Li-Ion Avatar[®] Micro battery pack

- **External Video Receiver**
 - View the video on an external TV

- **Custom Accessories**
 - Available upon request; contact your Account Manager
 - Lead-time is 2-6 months depending on requirements

Maintenance

The Avatar® Micro requires maintenance to ensure proper performance and reliability. Users should follow the detailed maintenance schedule outlined in the Avatar® Micro Maintenance Manual. Maintenance is simple, and requires no training.

The Avatar® Micro is composed of 18 modules. Maintenance consists of replacing the modules with new pre-assembled modules at regular intervals using hand tools. Alternately, some modules can be rebuilt using Module Rebuild Kits and necessary tools. Other modules are designed to last the life of the Avatar®. Individual replacement parts are also available – please refer to the complete parts list in the manual, or contact your Account Manager.

Maintenance Service

Complete maintenance service is included for one year with the purchase of the Avatar® Micro, and a two-year extension is also available for purchase. RoboteX Avatar® Micro-certified repair technicians will perform module replacement and rebuilding at our maintenance facility in Silicon Valley.

Contact the RoboteX Service Department for more information:

Attention – Service Department
RoboteX Inc.
1400 Page Mill Road, Suite 100
Palo Alto, CA 94304
650-838-9191 tel
service@robotex.com

Warranty Information

The Avatar® Micro is covered by a one-year warranty on parts failures, with a two-year extended warranty available for purchase.

Contact your Account Manager for warranty claims and questions.

Warranty Contact

Attention – Warranty Support
RoboteX Inc.
1400 Page Mill Road, Suite 100
Palo Alto, CA 94304
650-838-9191 tel
support@robotex.com

About RoboteX

RoboteX is a Silicon Valley-based technology company that is bringing a unique approach to the robotics market.

Founded by alumni of PayPal and YouTube, RoboteX is focused on developing affordable, high-quality personal safety robots to solve critical real-world problems. We develop our technology commercially – not through government research grants – and believe that our line of Avatar® personal safety robots will become a standard tool for first responders around the world.