

SuperDroid

LT2 Arm Bulldog Robotic Crawler



The SuperDroid Robots LT2-FTZPTZA-526 Surveillance Robot with a removable 6-Axis arm is a medium sized, rugged robot that can be quickly deployed in an emergency.

Spectis[!]
Robotics

EOD Disposal

The multi-axis arm can deliver or dispose of ordnances at a safe range. The LT2 Arm can be equipped with a mount for a Carbon Fire 10 Disruptor.

Climbing Obstacles

With the attached flipper arms, this robot can climb almost any obstacle up to 24" and ascend stairs. The robot can also self-right if it gets turned over.

Hazardous surveillance

Survey hostile/hazardous situations while staying out of harm's way.

Clearing rooms remotely

Clear rooms and buildings remotely with audio and video surveillance.

Opening Doors

With the multi-axis arm, things like doors will no longer stop you from surveying potentially dangerous locations.

Specification

Robot

- > Enclosed weatherproof chassis
- > Rubber tracks for all terrain navigation
- > Lithium Iron Phosphate (LFP) battery system, 24V 9.6 Ah
- > Speed: 0 to 140 ft. per minute, infinitely adjustable
- > Rear Flipper/Stabiliser Arms allows the robot to navigate obstacles and act as a stabiliser when ascending stairs
- > Up to 8 hours of runtime
- > Weight: 93lbs
- > Dimensions (L x W x H): 34 x 19 x 24 inches (arm stowed)
- > Ground clearance: 2 inches
- > Easily removable batteries

6-Axis arm

- > Removable arm for improved versatility
- > Vertical reach: 61 inches. Horizontal reach: 48"
- > Arm payload: 15 lbs. fully extended
- > Base rotation: 400 degrees
- > Shoulder rotation: 190 degrees
- > Elbow rotation: 270 degrees
- > Wrist: continuous rotation and +/- 90 degrees tilt (180 total)
- > Parallel Finger Gripper: 4.5" opening with 65lb squeeze force

Camera system

- > Primary 30X zoom tilt camera embedded in the nose of the robot with high intensity LED light
- > Gripper IR camera

- > Rear view/backup IR camera.
- > Removable rear mounted perspective PTZ camera with 30x optical zoom, CREE LED spotlight, and tactical laser pointer

Operator Control Unit (OCU)

- > Rugged Pelican case style enclosure with Microsoft Surface Pro 12" touch screen tablet
- > 2.4GHz high power digital radios
- > Lithium-ion battery, 11.1V 10Ah
- > Integrated joysticks to intuitively control drive, cameras, flipper arms, and manipulator
- > Two modes of control (cartesian and joint) for easy manipulator control with preset positions
- > Preset positions for flipper/stabiliser arms for stowing and climbing stairs
- > 2-way audio
- > Quad view camera display (switch between cameras, split screen, or all cameras in quad view)
- > Advanced kinematic modeling and collision detection - see a 3D model of the robot with the current position of the arm and flipper arms with collision warnings
- > Video recording and image snapshots

Battery Charging

- > All the batteries charge simultaneously from a single plug

Options and Upgrades

Repeaters and monitoring stations

Repeaters and monitoring stations are available to significantly increase the robot's operating range and/or assist second entry teams.

Camera

We offer many camera configurations and options. We can supply Full HD systems or thermal imaging systems.

Removable Release Hitch

A removable remotely operated release hitch can be added to tow stop strips and cables and release them.

HAZMAT sensors

MultIRAE gas sensors including radiation detection integrated into OCU

Additional Battery Packs

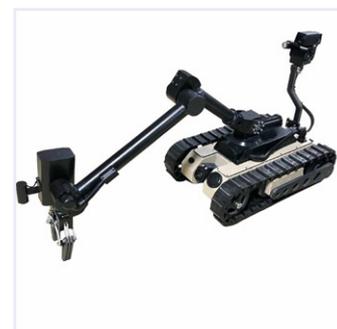
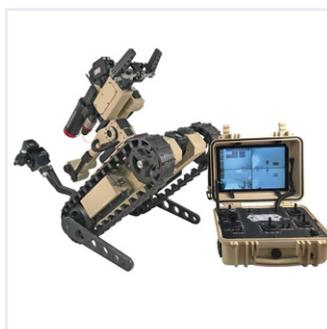
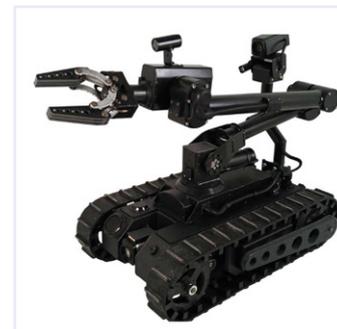
24V 9.6 Ah robot battery system and 11.1V control battery

Arm tools/accessories

Window piercer/tire puncture tool, Hook/object puller, Wire cutter, Carbon Fire 10 Disruptor

Paint Colour

The robot is painted with a durable epoxy with textured finish. Standard colours: Desert Tan or Black. Custom colours available upon request.



Images shown may not be an exact representation of the features listed.

Spectis Robotics Ltd

Unit 3, Crombie House, Grandholm Village
Bridge of Don, Aberdeen, Scotland, AB22 8BD

+44 1224 701444
info@spectisrobotics.com
spectisrobotics.com

World-leading
Robotic Crawlers and
Camera Systems