

SuperDroid

# HD2 Doberman Robotic Crawler



The SuperDroid HD2-PTZ-32A Surveillance Robot is ideal for stair climbing and rough terrain and as a first set of eyes in a hostile environment for hostage and hazardous surveillance.

**Spectis**<sup>+</sup>  
Robotics

## Easy Stair Climbing

The tracked design allows this robot to climb over most obstacles and go up and down stairs.

## Remote Surveillance

With the integrated PTZ camera featuring 360 degrees of pan and 50 degrees of tilt and 30X optical zoom, you see everything.

## Hazardous surveillance

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

## Clearing rooms remotely

Clear rooms and buildings remotely with audio and video surveillance.

## Specification

### Robot

- > Enclosed weatherproof chassis complete with chassis, motors, motor controllers, and batteries
- > Rubber tracks for all terrain navigation
- > Lithium Iron Phosphate (LFP) battery system, 24V 19.2 Ah
- > Speed: 0 to 250 ft. per minute, infinitely adjustable
- > Up to 8 hours of runtime
- > Weight: 110 lbs
- > Dimensions with rear stabiliser (L x W x H): 38 x 20 x 19 inches
- > Ground clearance: 2.5 inches

### Removable Release Hitch

- > A removable remotely operated release hitch can be added to tow stop strips, etc. and release them

### Rear Stabiliser Arm

- > Removable rear stabiliser arm that is actuated. Acts as a stabiliser when ascending stairs and other steep inclines to help prevent roll over.

### Camera system

- > 30X zoom 360 Pan and Tilt camera mounted on the base of the chassis with remotely operated high intensity LED lights
- > Front and Rear facing IR cameras

### 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 and cameras
- > 2-way audio
- > Video image processor with multiple views including quad view and split screen
- > On Screen Display for status/information
- > 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 system.

### HAZMAT sensors

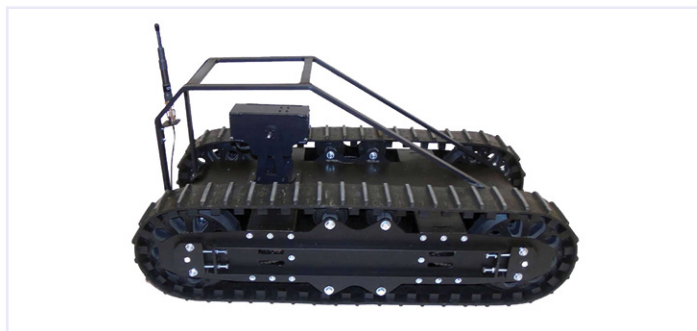
If you need to see if the atmosphere is safe, we can install MultiRAE gas sensors including radiation detection.

### Paint Colour

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

### Additional Customisation

We can provide any additional customisation desired 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