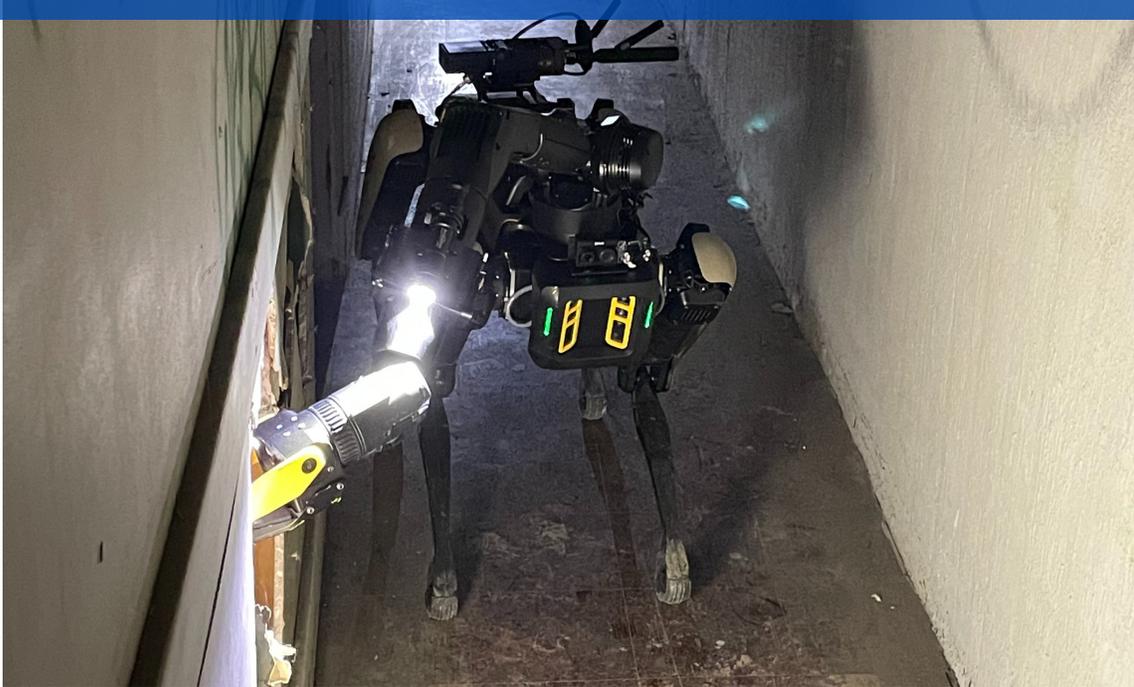


# CERBERUS QUGV

TURN-KEY PUBLIC SAFETY ROBOT PACKAGE



## System Introduction

The RADeCO CERBERUS QUGV is a turn-key public safety robot package. The system leverages the Boston Dynamics Spot quadruped for its best-in-class agility and performance. The package includes the robot, controls, extended communications package, 30x Zoom camera, 360-degree cameras, two-way de-escalation comms, lighting, manipulation arm and optional Blackstone CBRNE software for plug and play integration of your handheld meters.

## BEST IN CLASS

The Cerberus QUGV excels where other traditional tracked robots are lagging. This nimble platform can rapidly traverse stairs, curbs, clutter, and complex terrain. The manipulation arm's 6 degrees of freedom has manual, fully autonomous and semi-autonomous controls. A simple task of opening a door or picking up an object could take as long as 20 minutes on competing platforms. Boston Dynamics advanced AI can accomplish these complex tasks in seconds with a point and click interface. The optional Blackstone CBRN software is designed to be brand agnostic. This plug and play system's library includes Thermo, Smiths Detection, 908 Labs, Mirion/Canberra, RAE Systems and more.



RADeCO Inc.

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*Blackstone CBRNE Package*

## Key Benefits

- **Rapid Deployment, Fits in standard SUV**
- **Manual, semi-autonomous and fully autonomous operation**
- **Two-Way comms package for de-escalation**
- **Plug and Play CBRN sensors/detectors**
- **Long range control and communication**
- **Streaming real time camera and sensor data to 3 or more team members**
- **Ease of Use, minimal training required**

## SYSTEM SPECIFICATIONS

### BASE SPOT DIMENSIONS

- LENGTH: 1100 MM (43.3 IN)
- WIDTH: 500 MM (19.7 IN)
- HEIGHT (STANDING): 840 MM (33.1 IN)
- HEIGHT (SITTING): 191 MM (7.5 IN)
- NET WEIGHT: 32.5 KG (71.7 LBS)

### BATTERY

- CAPACITY: 605 WH
- AVERAGE RUNTIME: 90 MINUTES
- STANDBY TIME: 180 MINUTES
- RECHARGE TIME: 120 MINUTES
- WEIGHT: 4.2 KG (9.3 LBS)

### CAMERA PACKAGE

- PAN-TILT-ZOOM (PTZ) WITH 30X OPTICAL ZOOM
- SPHERICAL CAMERA (360 X 1700 VIEW)
- ROLL CAGE FOR CRASH PROTECTION
- FOUR PAIRS OF LEDS
- TWO SPEAKERS AND MICROPHONES ENABLE TWO-WAY AUDIO
- USB PORT AVAILABLE FOR SAVING IMAGE DATA
- PROTECTED CABLING AND SEALED ELECTRONICS
- RAIL CONNECTIONS FOR EITHER FRONT OR REAR MOUNTING CONFIGURATION

### PAYLOAD SPECIFICATIONS

- MAX WEIGHT: 14 KG (30.9 LBS)
- MOUNTING INTERFACE: M5 T-SLOT RAILS
- ARM LIFT CAPACITY OF 11 LBS
- 6+ DEGREES OF FREEDOM
- DRAG UP TO 55 LBS

### COMMUNICATIONS AND SOFTWARE SPECIFICATIONS

- WAVE-RELAY MPU5 EXTENDED COMMS
- OPTIONAL WIFI BASED TELEOPERATION
- OPTIONAL BLACKSTONE CBRNE (AVAILABLE IN ANDROID, IOS OR WINDOWS)
- OPTIONAL GROUND STATION

**RADēCO Inc.**

WWW.RADECOINC.COM TEL: 860-564-1220