

# CERBERUS QUGV



## TURN-KEY HAZMAT, CBRNE AND EOD ROBOT PACKAGE

### System Introduction

The RADeCO CERBERUS QUGV is a turn-key public safety, EOD, CBRNE robot package. The system leverages the Boston Dynamics Spot quadruped for its best-in-class agility and performance. Choose your payload based on your threat with a hot swappable tactical camera package and a full CBRNE Kit. The package includes the robot, controls, extended communications package, 30x Zoom w/ IR 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 CBRN software is designed to be brand agnostic. This plug and play system's library includes Thermo, Smiths Detection, 908 devices, Mirion/Canberra, RAE Systems, Pendar, and more.





## Key Benefits

- **Rapid Deployment, Fits in standard SUV**
- **Manual, semi-autonomous and fully autonomous operation**
- **Two-Way comms package for de-escalation or barricaded suspect**
- **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, AND IR
- 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 CBRNE (AVAILABLE IN ANDROID, IOS OR WINDOWS)
- OPTIONAL GROUND STATION

Part Number	CQUGV-CBRN	CBRN-CPU-ATAK	Arm	Comms Package	Bot-Lox Set	Cam +	IR Cam +	Black Color	Desert-Tan	OD Green
CQUGV-CBRN-A-IR-BLK	x	x	x	x	x		x	x		
CQUGV-CBRN-A-IR-DT	x	x	x	x	x		x		x	
CQUGV-CBRN-A-IR-OD	x	x	x	x	x		x			x
CQUGV-CBRN-A-PT-BLK	x	x	x	x	x	x		x		
CQUGV-CBRN-A-PT-DT	x	x	x	x	x	x			x	
CQUGV-CBRN-A-PT-OD	x	x	x	x	x	x				x
CQUGV-CBRN-IR-BLK	x	x		x	x		x	x		
CQUGV-CBRN-IR-DT	x	x		x	x		x		x	
CQUGV-CBRN-IR-OD	x	x		x	x		x			x
CQUGV-CBRN-PT-BLK	x	x		x	x	x		x		
CQUGV-CBRN-PT-DT	x	x		x	x	x			x	
CQUGV-CBRN-PT-OD	x	x		x	x	x				x
CQUGV-CBRN-TRN	Training for 6 (2 days)									
CQUGV-BT-2	Spare Battery Set (x2)									
CQUGV-TRD	Spare Foot Treads									
CQUGV-PHBLT	Arm Phablet									

## CQUGV-CBRN

Cerberus Quadruped Unmanned Ground Vehicle, One Boston Dynamics robot, case, two batteries, one charger, one CBRN Software Interface, one controller

## CBRN-ATAK

Ground Station CBRN ATAK Display Tablet