



Security Robot Data Sheet

Component	Quantity	Description
RL-C1 All terrain chassis	1	Six Wheel Drive independent suspension Turning: In situ Payload: 200kg Obstacle crossing ability: 10cm Climbing ability: 35 degrees (30 degrees for the robot) Instant wading: 10cm Wind resistance: Level 8 Maximum travel speed: 6KM/H
Body	1	Adjustable 720*660* (1450-1700) mm Adjustable range:145-170cm Total weight: 80kg
Host	1	CPU:I9 9880u (subject to change) Memory size: 32G Hard disk capacity: 256G solid state System:ubuntu 16.04/ROS-K
Discrete graphics	1	GPU accelerating calculation
Depth camera	1	RBG resolution ratio: up to 1920 * 1080 Depth resolution: up to 1280*720
lidar	1	Tof. 150 meters. Tof 12 meters Obstacle avoidance
Thermal imaging camera	1	384*288 Full screen measuring temperature
HD night vision camera	1	FOV150°, 1080p
Telephoto camera	1	Focal length: 16mm, 1080p
LED light	2	
Microphone	1	Dual microphone
Stereo	1	One pair
Ultrasonic radar	12	2m, 70°
Smoke sensor	1	Able to detect harmful gases. This is an optimal device, and it can be customized.
Temperature and humidity sensor	1	

Raindrop detector	1	
Advanced satellite navigation module	1	GPS+Beidou navigation module
High precision IMU module	2	
35Ah 48v Lithium battery+BMS	1	
Charging pile	1	High-power rapid charge
Automatic fire fighting device	optional	
Capture net automatic ejection system	optional	
Other customized systems	customized	
Cloud platform for videos and data link	1	Supports multi-to-multi transmission of cloud videos
		MDS composite data link
AI system and visual management platform	1	Includes three-way video monitoring;slam navigation planning; face recognition; human body recognition; vehicle, license plate and objects recognition and other functions.
Second development interface	1	Based on Linux system. Includes patrol setting, motion control, basic recognition, audio and video information, acquisition and control of various sensor signals, etc.

3. Robot Functions

No.	Functions
1.	Zoom-in, wide-angle, thermal imaging three-way cameras, no action is invisible
2.	The neck can be lifted and lowered; the robot height can be flexibly changed between 4 feet 9 inches to 5 feet 7 inches. The low height is to ensure the high-speed movement, and the elevated height is to ensure the excellent vision.

3.	The highly sensitive detection radar and 3D camera can provide early warning and obstacle avoidance
4.	SLAM mapping, intelligent and autonomous patrol tasks can be carried out according to the route.
5.	The chassis can rotate at any spots, load bearing: 200KG, obstacle crossing ability: 10cm, ravine 10cm, climbing ability: 30 degrees, wind resistance: level 8, wading: 10cm, indoor and outdoor universal.
6.	MDS composite data link, data is selectively stored and managed in the cloud during the transmission process.
7.	long-term uninterrupted patrolling
8.	Intelligent self-charging
9.	One-click collect to police alarm system
10.	Broadcasting
11.	Voice interaction
12.	Face recognition
13.	Remote conversation
14.	Smoking identification
15.	Fire identification
16.	A wanted list
17.	Autonomous Mode & Manual Mode
18.	Plug-in 4G card module
19.	Protection class IP55
20.	Operating temperature: -10~+55°C

4. Manufacturer warranty

90 days

5. Electricity

110v, 60Hz

6. Service Programs:

A. Silver Program: \$299/month

- a. 4 hours trouble shooting and training with travel time per month.
- b. Communicating and ordering parts if machine has issues.
- c. Any extra hour \$120/hour.

B. Gold Program: \$499/month

- a. 10 hours trouble shooting and training with travel time per month.
- b. Communicating and ordering parts if the machine has issues.
- c. Any extra hour \$120/hour.

C. Premium Program: \$899/month

- a. 25 hours trouble shooting and training with travel time.
- b. Exchange robot if there is any technical issues
- c. Data analysis

7. Partnership model and sales commission:

HSL is seeking partners at any states to promote this security robot.

HSL:

- a. Places orders, imports, and transports the robot to the designated customers' addresses.
- b. Receives sales revenue from the sale or lease of the robot. If there are any technical issues, HSL will contact the manufacturer to arrange parts transportation and customs declaration.

Local partners:

- a. Sell or arrange for sales persons to sell.
- b. Collect sales or lease income and pass on to HSL.
- c. Earn full service package income.
- d. Earn sales commission: one-time payment model: HSL will provide \$1,300/unit sales commission. Rental model: 20% commission.