

# mi ROBOTS

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ROBOTS THAT WE WANT



# **RUNNER**

## **Disinfection Robot**

# Intelligent Smart Dry Mist Spray Disinfection Robot



## Product Introduction

The disinfection and sterilization robot is a general-purpose wheeled chassis combined with a disinfection machine. It is suitable for shopping malls, families, schools, office areas and other places where sterilization can be blocked on flat ground; the robot is equipped with laser radar, which can realize Omni-directional scanning and ranging detection of the surrounding environment, carry out planned disinfection and sterilization according to the obtained contour map, so as to avoid adverse effects caused by close tracking contact of human body. The robot is driven by high density lithium battery, which is maintenance free and has a long cycle.

## ROBOT TECHNICAL SPECIFICATION

specification	
Product Name	Fully Automatic Wheeled Spray Robot <b>(Runner)</b>
Model	DG-501
Dimention	358*358*810/1260mm
Navigate mode	LSLAM + IR + Laser ranging
Battery	18650 battery 11200mAh
Rated power	85W
Time of endurance	2H
Tank volume	5L
Spray amount	500~1500ml/h
Life time	5000h
Charge mode	Automatic/Manual
Speed limit	0.2m/s(0.72km/h)
Driving mode	Brushless motor
Chassis structure	Front single gimbal wheel with shock absorbing dual driving wheel and rear gimbal wheel
Obstacle crossing limit	<1cm
Charging time	2H
Communication mode	WiFi, 4G/5G
Operating temp	-10℃ ~ +50℃
Ingress protection	IP 45
weight	9kg
Container material	PP
exterior material	ABS
Pack size	432mmX432mmX912mm
Weight of outer package	3.4KG

## Product Characteristics

### Automatic plotting / Automatic path planning

After starting up, Runner Robot will automatically explore the surrounding environment and generate a map and plan the proper path (optional for user selection)

### Specified position arrival / Automatic cruise

Once the path planned, Runner Robot can reach the specified position or automatic cruise travel mode.

### Intelligent travel / Automatic obstacle avoidance

In order to achieve the best spraying effect, Runner Robot is kept in the center. However when passing through the narrow area, it will automatically adjust the right state. After the fixed obstacle detected in the first time, Runner Robot will actively avoid the obstacle when planning the route.

### Return automatically / Tasks continue

When Runner Robot is power shortage or battery is low and level of water goes very low, it will return back to for recharging or waiting for disinfectant replenish. And continue the task after completion of the supplement.

### Epidemic prevention broadcast / Hand devices control available

Runner Robot can be customized to repeat the broadcast while performing tasks. Status information of Runner Robot can be displayed in real time on hand devices. And it can be controlled by the mobile phone (APP installation needed and under WiFi available area).

### Out of the box

No need installation, debugging and training. It can run out of the box. Put disinfectant in water tank and push start button only.