



深圳全智能机器人科技有限公司
Shenzhen All Intelligent Technology Co.,Ltd.

Artificial Intelligent Sterilizing Robot

Innovating the future with science and technology

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Sterilization Robot



Smooth
Movement



High
Capacity



Impact
Sensor



Autonomous
Navigation



Avoid
Collision



Safely edge
Touching



Multipoint
Disinfection



Data
Analysis



Multimodal
Sterilization





Sterilization Robot

01

Ultraviolet Germicidal Irradiation

UVGI is a disinfection method that uses short-wavelength ultraviolet light to kill or inactivate microorganisms by destroying nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions.

The UVC light is only installed at the bottom of the robot only shoot light on the floor.

02

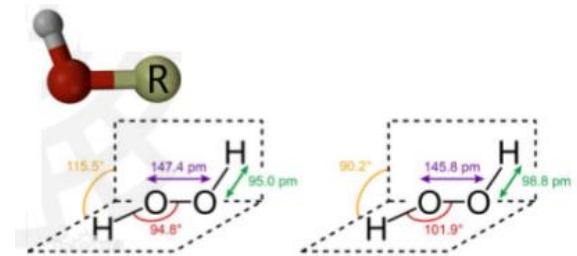
Air Spray Disinfectant (5-10um)

The Mist of the hydrogen peroxide disinfectant has no aggregation and can be dispersed in the space that needs to be sterilized, thus achieving a better Sterilization effect

03

Double sterilization, better effect

Hydrogen peroxide dissociates highly active hydroxyl groups through a complex chemical reaction and acts on cell membranes. Its strong oxidative damage destroys the proteins that make up bacteria, causing them to die. Short-wave ultraviolet light can accelerate the decomposition rate of hydrogen peroxide with higher efficiency.

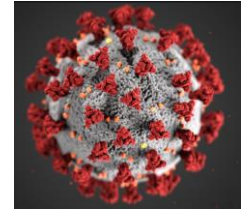


Sterilization Robot



Efficient sterilization

The bottom of the robot is equipped with a short-wave UVC ultraviolet light + disinfection liquid atomization device, dual-mode disinfection without dead spots, so that bacteria and viruses have nowhere to hide



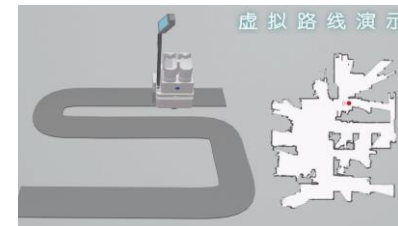
Safety and environmental friendly

The UV lamp is installed on the bottom of the robot, only illuminating the ground, not directly illuminating people. Safer disinfection process, no attachment, small particles, no residue



Autonomous Navigation

Complete map construction and navigation independently, intelligently avoid obstacles, complete disinfection tasks autonomously, and charge automatically



Artificial intelligent voice communicate

Sterilizing under voice commands

Can carry on small conversations with people. Do broadcast





Sterilization Robot

AI Communication system

Contactless voice control disinfection

Able to carry on small conversations with people

Introduction

Broadcast



Large Capacity

Disinfectant capacity: 11L

Sterilization time:

Recommended:

Twice a day,
60 minutes each

UVC light under the bottom

Only shoot UVC light to the floor

Sterilization Robot



Multiple disinfection modes

Disinfection modes:

- When people are around: Air spraying mode can be used to spray disinfectant in large area, fast and efficient.
The spraying path can reach up to 3000 meters per hour
- When no people around: UV + spray disinfection mode can be used for more complete sterilization. Refer to the disinfectant solution recommended in the "New Coronavirus Infection Pneumonia Treatment and Prevention Program" Air concentration standard
- Disinfection efficiency: the disinfection of 1000m³space can be completed in 15 minutes



Sterilization Robot



Robot Size	470 * 450 * 1200mm
Disinfectant Capacity	11L
Dry fog parameters	Capacity 2L/h, spray particle size 5-10um
Number of ultrasonic atomization groups	12
Recommended Disinfectant	Hydrogen peroxide, sodium hypochlorite
Number of UVC groups	1*6 pcs (LED type UVC)
UVC voltage	1W/pcs
UVC wave length	265-280nm
Disinfection modes	Air Spray disinfection UVC disinfection Air Spray + UVC disinfection
Net Weight	45KG
Robot Moving Speed	0-0.5m/s
Network Interface	WIFI/4G/Bluetooth
battery capacity	36V/15A, 12AH lithium battery
rated power	50-250W
Constant working time	Around 2 hours
Standby time	Around 72 hours
Robot life time	5 years
Working environment	Indoor, smooth floor
charging method	Automatic / manual charging
Input voltage	110-220V



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谢谢！
THANK YOU!