

Disinfection Robot



Key Features:

- High efficient sterilization: 99.9999% sterilizing rate, dual mode 360° disinfection.
- 200μw/cm² irradiation intensity.
- Laser/vision/depth vision fusion positioning and navigation.
- Multiple obstacle avoidance composite methods to improve safety, support lidar obstacle avoidance + stereo vision obstacle avoidance.
- Safer disinfection process, no adhesion, small particles, no residue.
- Large capacity of disinfectant, circulating disinfection.
- Multitask mode: four disinfection methods and three task modes.
- Low power automatic recharging.
- Regional pedestrian monitoring.
- Voice broadcast customization.

Specifications

General

Product Size(W*D*H)	500×500×1350mm
Product Net Weight	60KG
Screen Size	7 inch
Screen Resolution	1024×600
Screen InteractiveMode	Light/Touch
Positioning & Navigation	Laser, IMU, Encoder multi-sensor positioning & navigation
Obstacle Avoidance	Single stereo vision, Anti-collision strips
Sensors	LiDAR, depth vision sensor, and touch sensor
Main Material	ABS Plastic for body
Color	White
Number of Nozzles	6 sets
Disinfection Mode	Dry Mist Disinfection
	Ultraviolet Irradiation
	Dry Mist Disinfection+Ultraviolet Irradiation
Disinfectant Capacity	10L
Ultraviolet Radiation Intensity	More than 200μW/cm ² (1m)
Fogging Volume	0.5-1.5L/h
UV Disinfection Lamp Quantity	4 sets
UV Disinfection Lamp Power	36W per Lamp

Performance

Max Speed	0,8m/s
Standby Time	24h
Climbing Angle	3°
Minimum Pass Width	70cm

Battery and charging

Battery Capacity	DC48V 15AH
Battery Endurance	3h-4h (Single Module)
Battery Dismountable	No
Charging Mode	Auto/Manual
Charging Input	100-240V~,50/60Hz
Charing Time	5h
Charging Pile Dimension	230×220×290mm
Charging Pile Weight	1.2KG

Operation Environment

Operating Temperature, Humidity	0-45 °C, RH: 5%~85%, dust free
Working Environment	Flat and smooth ground indoors
Storage Temperature	0-60 °C

Others

WIFI	802.11b/g/n
WIFI Frequency	2.4-2.484GHz
LoRa Frequency	850.125~930.125MHz

Main Unit and Dimensions

