

# Disinfection Robot

# M2



## Key Features:

- **High efficient sterilization:** 99.9999% sterilizing rate, dual mode 360° disinfection.
- **Irradiation intensity:** 200  $\mu\text{W}/\text{cm}^2$
- **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, no 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	60 kg
Screen Size	7"
Screen Resolution	1024 × 600
Screen Interactive Mode	Light/Touch
Positioning & Navigation	Laser, IMU, Encoder multi-sensor positioning & navigation
Obstacle Avoidance Sensors	Single stereo vision, Anti-collision strips
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	10 L
Ultraviolet Radiation Intensity	More than 200 $\mu\text{W}/\text{cm}^2$ (1 m)
Fogging Volume	0.5-1.5 L/h
UV Disinfection Lamp Quantity	4 sets
UV Disinfection Lamp Power	36 W per Lamp

## Performance

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

## Battery and charging

Battery Capacity	DC 48 V 15 AH
Battery Endurance	3–4 h (Single Module)
Battery Dismountable	No
Charging Mode	Auto/Manual
Charging Input	100-240 V~,50/60 Hz
Charing Time	5 h
Charging Pile Dimension	230 × 220 × 290 mm
Charging Pile Weight	1.2 kg

## Operation Environment

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

## Others

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

## Main Unit and Dimensions

