

# Create a New Future

## Disinfection Robot

SSAFE GUARD



### Detail

#### 01 Certification authority

The robot has passed the inspection and certification of the CMA certification body, and can achieve air + surface disinfection and sterilization

#### 03 UV sterilization module

The irradiance of the ultraviolet lamp meets the requirements of GB19258 and the "Technical Specification for Disinfection", and the irradiance intensity of each lamp is  $200\mu\text{W}/\text{cm}^2$  (Measure at 1m)

#### 02 Spray disinfection module

Ultra-dry mist particles below  $10\mu\text{m}$ , the mist is fine and uniform, and there is no dead corner. The spray effect meets the "Disinfection Technical Specification", and the killing rate of bacteria in the air is as high as 99.9999%

#### 04 Fully autonomous positioning and navigation

Industry-leading brand-new composite positioning and navigation technology to achieve long-term stable operation in complex environments and a wider range of robots



## Intelligent obstacle avoidance

Equipped with a new 360-degree omnidirectional obstacle avoidance technology to fully perceive indoor dynamics + suspended obstacles and react instantly to automatically bypass obstacles.



## Autonomous ride

Equipped with a robot elevator IOT module, ride the elevator autonomously, and provide cross-floor disinfection and epidemic prevention services



## Multi-machine collaboration

Through independent research and development of the communication system, intelligent coordination and AI distributed scheduling are realized to ensure that multi-robot collaboration, safe and efficient completion of disinfection tasks.



# Parameter

Size 500*500*1350 mm	Maximum speed 0-0.8m/s
capacity 15L	Network Interface WIFI
Spray parameters The amount of mist is 0.5-1.5L/h, The spray particle size is less than 10µm	Battery Capacity DC 48V 15Ah
Number of ultrasonic atomization groups 6 sets of ultra-dry mistatomization	Rated Power 150W
Applicable disinfectant Hydrogen peroxide, hypochlorous acid, peracetic acid, etc.	Standby current <0.5A
UV radiation intensity >200µW/cm <sup>2</sup> (Measure at 1m)	Battery life ≈4h
Number of UV groups four short-wave UV-C lamp	Standby time ≈24h
Product Weight 60Kg	Life Span 20000h

