

Intelligent Dry Fog Robot

Enterprise ai interaction · solution provider



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Product Introduction



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Intelligent dry fog robot can atomize a variety of disinfectants, and through the high-speed air will fog After the fog drops dispersed to the disinfection area, the realization of disinfection. The robot can navigate and avoid obstacles autonomously And the way to move to the disinfection area, around the disinfection target for 360 degrees without dead Angle disinfection. At the same time, I Pad remote control is supported to rapidly and centrally sterilize the area.

The super-dry atomized disinfectant of the robot is disinfected, which can separate the man from the machine and reduce the number of people Staff contact, effectively reduce the risk of infection, not only make sterilization more efficient and thorough, but also greatly improve High security.

Product Parameters

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Automatic Expansion Track

Lifting disinfection space

HD Screen

Data at your fingertips

Add liquid

Side porch adds liquid to cover
Convenient charging

Atmosphere lamp

Multiple light states
Ascension experience

The horn

Stereo broadcasting
Announcer's talk



Disinfection Of Nozzle

Six holes adjustable automatic lifting nozzle,
no dead Angle

Ultraviolet Radiator

Dual mode, improve the disinfection effect

With Push Handle

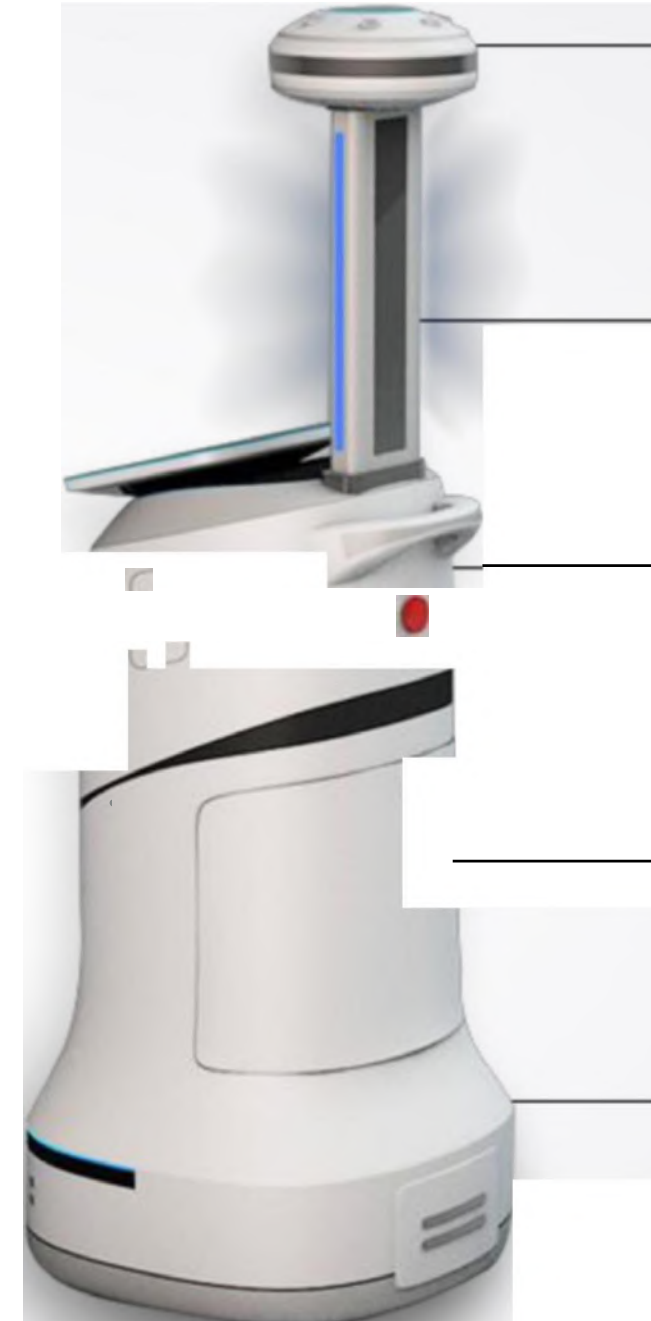
The arc handle design is convenient to carry out

Storage Tank

Corrosion resistant liquid storage tank

Intelligent Chassis

Autonomous navigation obstacle avoidance chassis
Plan disinfection paths flexibly



Mobile way: Self-planning path
(Covered area up to 25000m²)

Movement speed: 0-0.6

Disinfection efficiency: Finish 1000m³ disinfection
in 15 minutes at the earliest

The spray particle size \approx 10 μ m Sprayrate : 2L/h—
5L/h

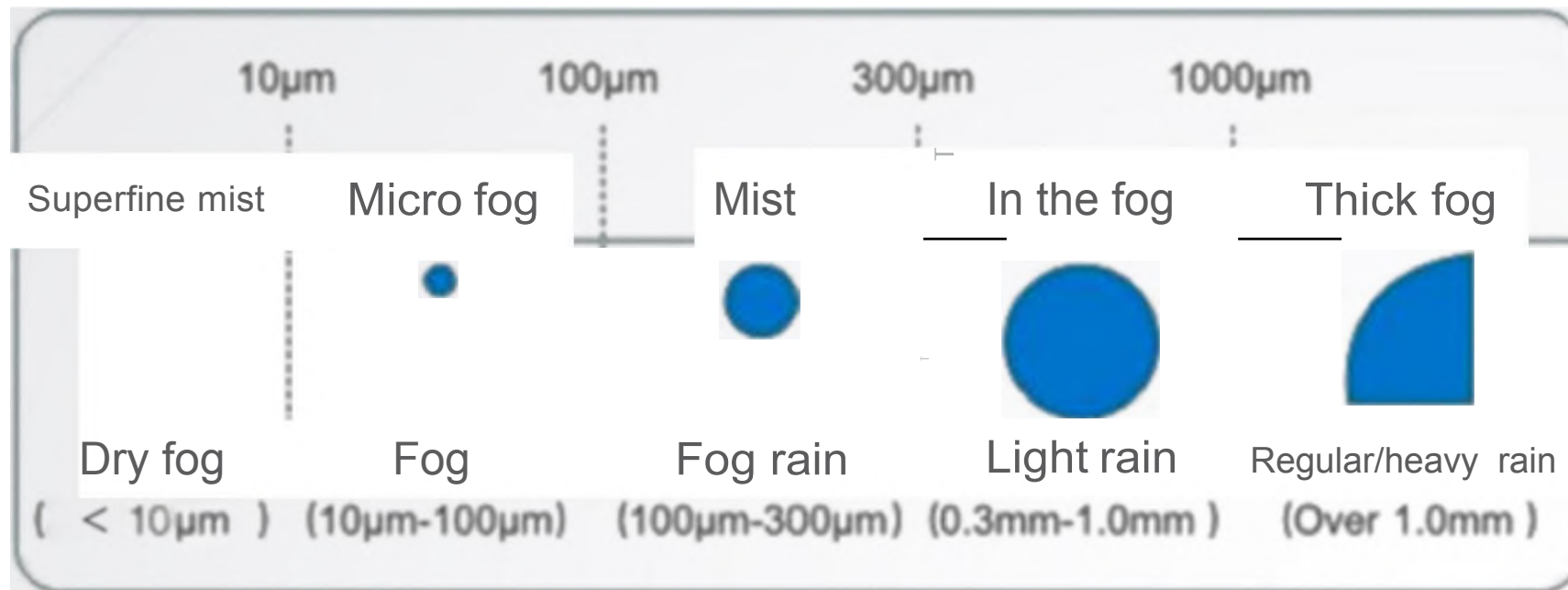
Level of disinfection : Highly effective disinfection, up to 6-1 level

The liquid volume: 16L

Principle Of Efficient Disinfection

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The disinfection process is accomplished by diffusing nanoscale beads over the area to be sterilized,

When the average droplet is less than 10 microns in diameter, the spray may be called "dry".

Dry droplets do not settle and move randomly, and do not aggregate to produce large ones. The droplet,

when it comes into contact with the surface, it bounces back instead of breaking and wetting the surface. The nature of the form allows them to move to areas that would otherwise be difficult to reach.



Three Working Modes

Task mode: regular disinfection

Use the task configuration function to configure the robot to disinfect the area, time and frequency. As long as the machine has enough disinfectant, the robot can plan its own path, avoid obstacles, walk and conduct intelligent disinfection when the time is set. In addition, when the power is low, the robot can autonomously return to the pile for charging.

Instruction mode disinfection

The robot is equipped with a 12-inch high-definition display screen, which can visually display the sterilized areas and points maintained. and can send instructions to disinfect specific points or areas with touch.

Pad remote control disinfection

Equipped with i-pad. the robot can carry out automatic disinfection by remote control robot and support intelligent remote control without network environment.



The Three Major Characteristics

High efficiency

High efficiency

Automatic lifting nozzle multi-angle three-dimensional jet, 360 no dead Angle Super dry atomizing disinfectant, good dispersion full coverage up to 6-log level The space of 1000m can be sterilized in 15 minutes at the earliest.

Intelligent

robot can use the task configuration tool to configure the task time route content working frequency task planning etc. Automate the disinfection process by pressing buttons remote control or timing tasks. Monitoring the working status of the robot at any time automatic preservation of work records autonomous navigation intelligent obstacle avoidance autonomous charging more worry free from manual operation

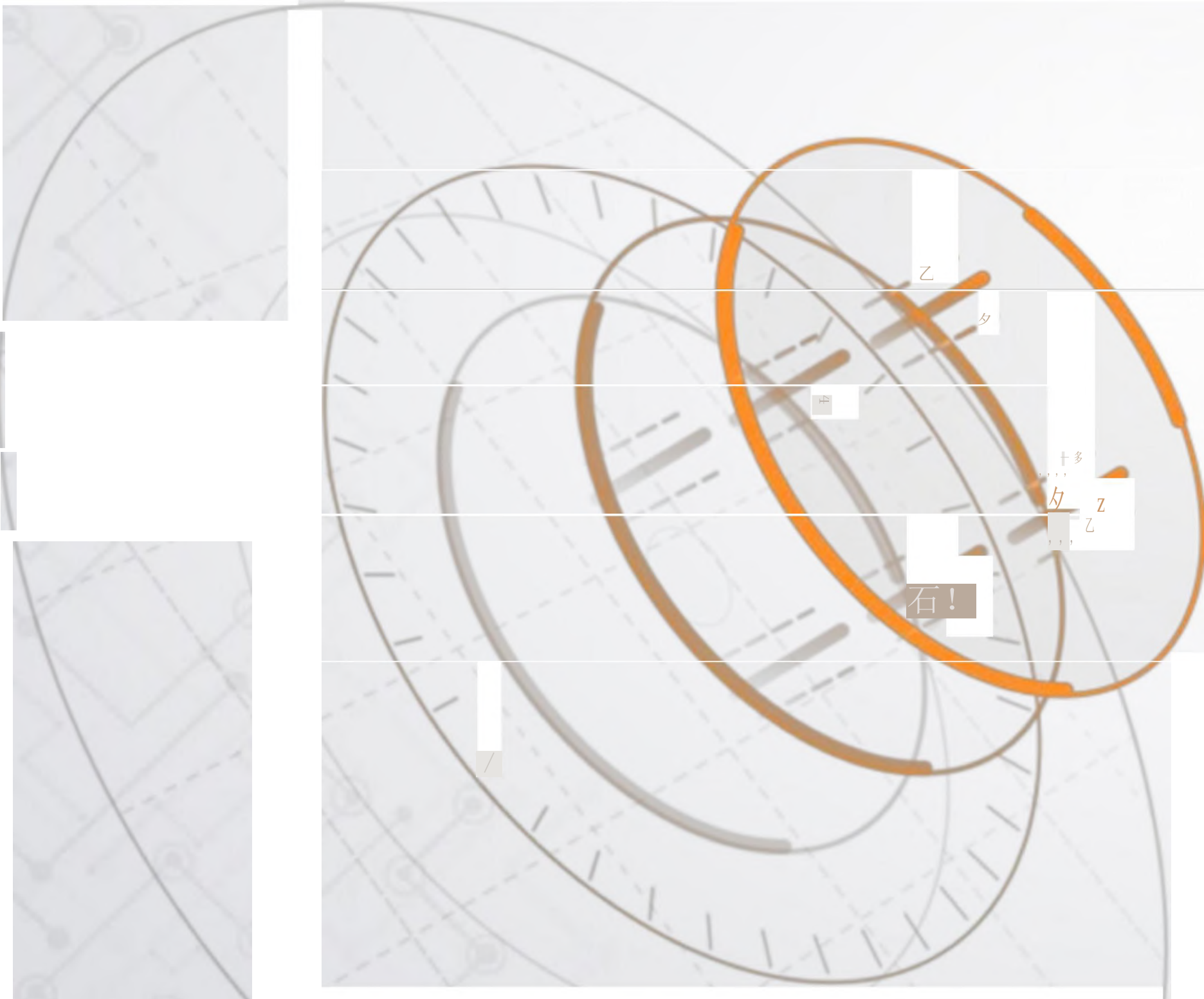
Security

Super dry atomized disinfectant, no residue in the disinfection process more safe Man-machine separation reduce personal contact effectively reduce the risk of infection



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Product Advantage





Hardware advantage

- Navigation obstacle avoidance system

Autonomous navigation Obstacle avoidance
Plan the optimal path

Based on SLAM three-dimensional navigation obstacle avoidance system, the robot can detect the distance in an environment with a radius of no less than 15m and scan the surroundings at any time. Environment, provide map data, build high-precision environment map.

Autonomous navigation, autonomous obstacle avoidance, at the same time planning the optimal route to arrive The destination.



Location and map construction

Combination of multiple sensors

Dynamic path planning algorithm

- Road conditions are adaptive
- The exact arrival of any position
- Autonomous navigation and planning of optimal paths
- Self-return pile charging



- **The Spray Head**

Automatic lifting 360° No dead Angle covering

The robot is equipped with a 6-hole spray head at the top to ensure a 360° coverage without dead Angle

With automatic lifting and lifting, the two sides are ultraviolet lamps, automatically rising to the highest position when working,

The job will automatically shrink back to the original position.

Rise to a higher level to ensure a wider disinfection space

The distance between fog making and fog spraying ensures enough space for the fan to accelerate the fog output

The nozzle shrinks to the inside of the fuselage, making transportation and storage safer and more convenient



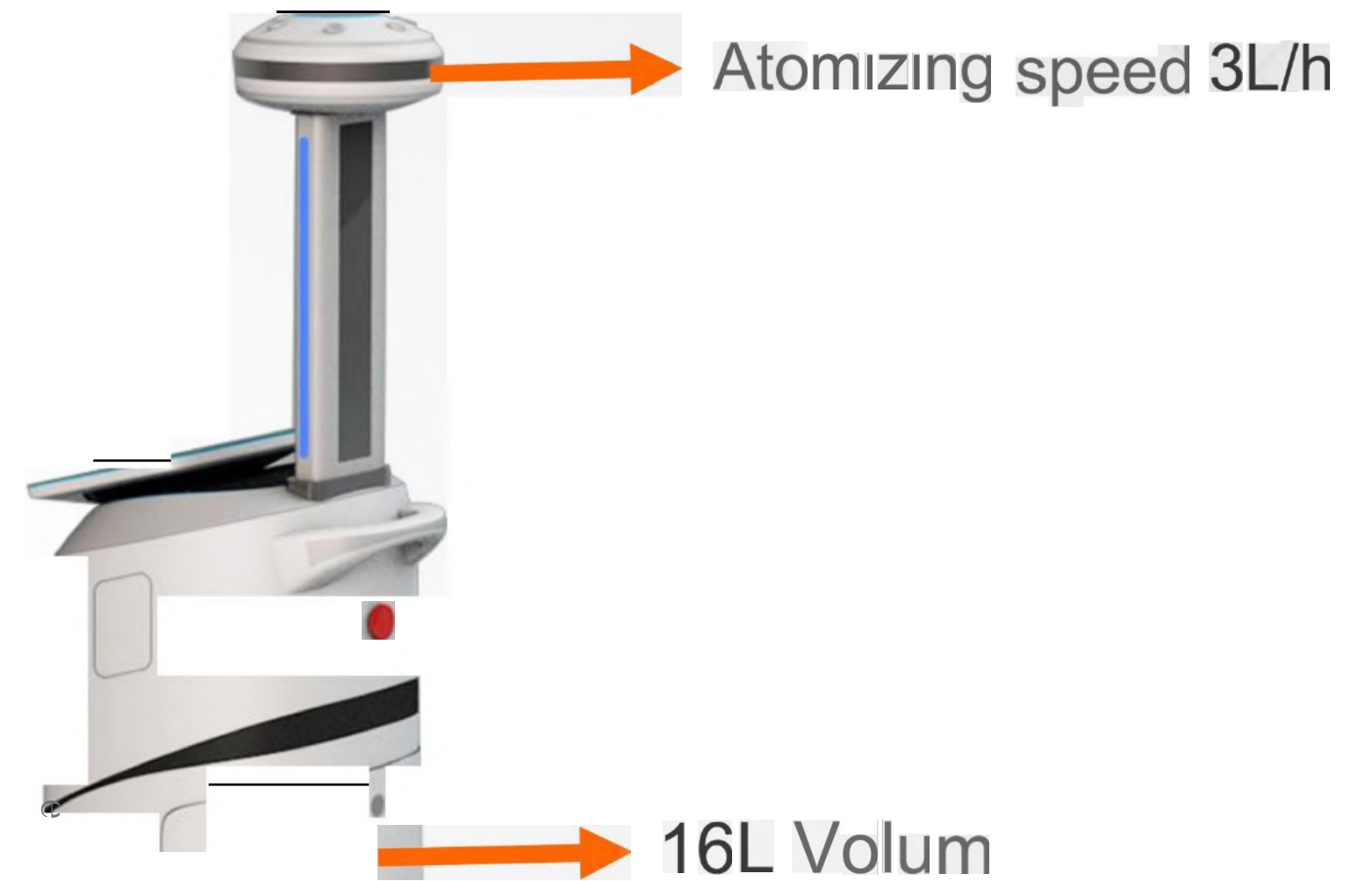
- **Storage Tank**

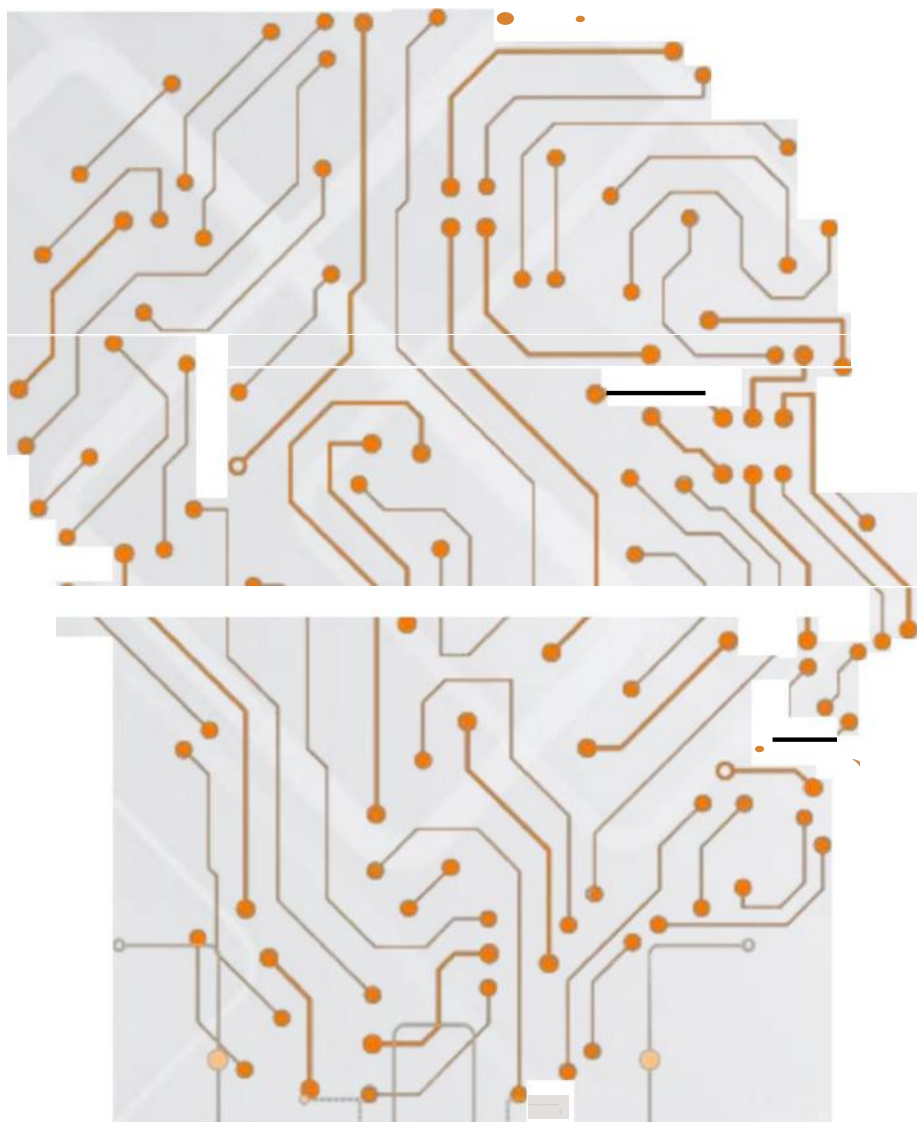
- **High capacity and efficient operation**

The large liquid storage tank has a volume of 16L, far exceeding the market standard of 1L, ensuring a larger space for action.

The atomization speed of 3L/h is far higher than the market standard of 0.241 /h, which ensures more efficient operation.

Chassis scan radius up to 25m, quickly build the map.





Software Advantage

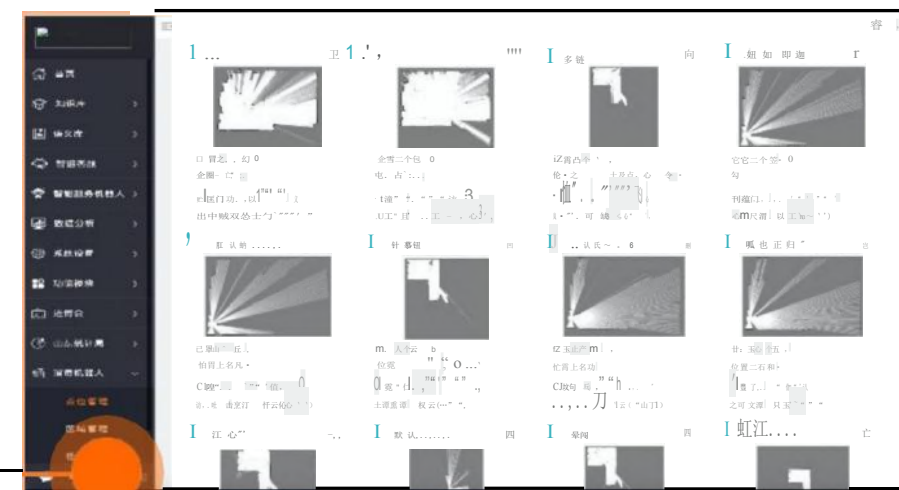
- **Multi-terminal operation with high efficiency and low risk**

Each robot is equipped with an i-pad, which can create environmental maps for the remote control robot and conduct detailed operations when the robot walks. In the confined space, it can also be used to understand the surrounding environment of the robot.



The robot is equipped with a 12-inch high-definition screen, which controls the operation of the robot through three modes of going to the spot, going to the area and setting the fixed time and fixed task by itself. It also supports the view of the work record to facilitate the understanding of the disinfection situation.

Each customer has an independent account to manage the robot and maintain the robot site. Graphs, points, and regions, and a variety of definitions. Timed tasks.



- Comprehensive map management



- ✓ Support iPad control chart, support multi-chart management
- ✓ Support for marking point bits, custom point bit names
- ✓ Support for custom areas to manage multiple points

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The robot can calculate the best operation time according to the regional space situation. If the operation area changes, it can adjust the regional space parameters at any time to ensure the best disinfection effect. Moreover, it can save the job record to the cloud server, which is convenient for direct use next time, fast and efficient.



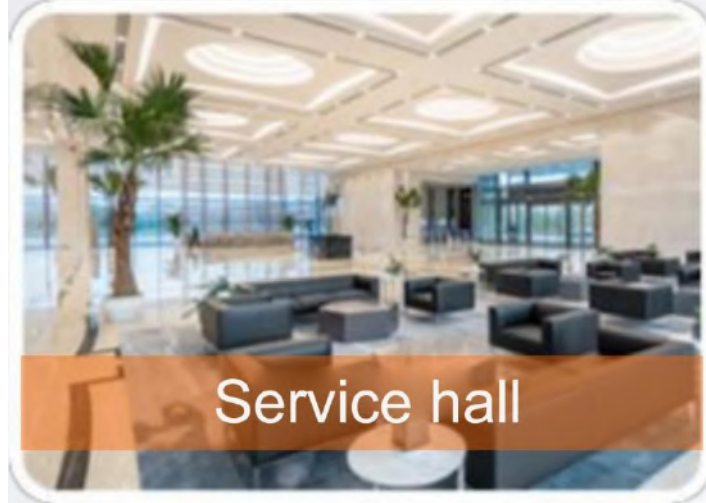
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Application Scenarios



Applicable Scenario



Service hall



laboratory



The airport



The school



The hospital



The workshop



Food companies



The hotel



The subway

Contact us

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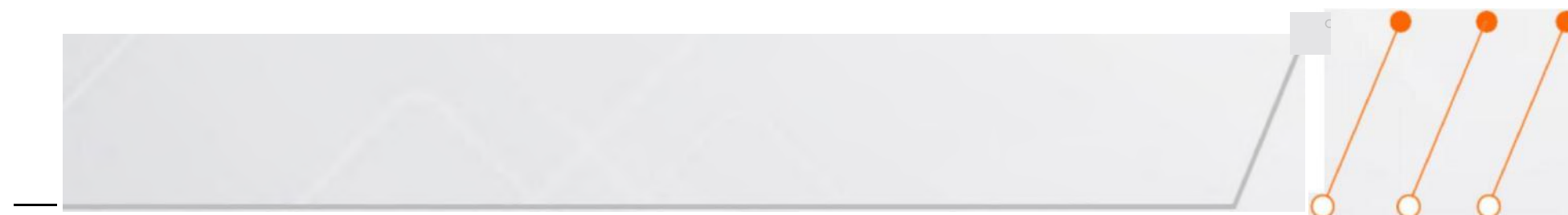
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THANK YOU