

Usage Scenarios



Hospital



Campus



Government Hall



Public Transportation



Hotel



Bank

Founded in 2016 and headquartered in Shenzhen, Pudu Robotics is a national high-tech enterprise dedicated to the design, R&D, production and sales of commercial service robots. The company has set up R&D centers in Shenzhen, Beijing and Chengdu, and hundreds of after-sales service centers across China, with R&D staff accounting for more than 50%. Since establishment, Pudu Robotics has always adhered to the "Spirit of Invention" and practiced "User-Centered" corporate culture, aiming to boost productivity and well-being with the power of robots.

Powered by the core technologies of low-speed autonomous driving, robotics motor and motion control, Pudu Robotics has developed top-notch delivery robots, hospitality robots and disinfection robots that are widely used in restaurants, hospitals, schools, office buildings, government halls, subway stations, waiting rooms, etc. Pudu's products are sold in more than 50 countries. With superior offerings and global footprints, Pudu Robotic has become a world-leading enterprise of commercial service robots.



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Puductor 2

Disinfection Robot



Feature

-  2L/H Ultrasonic Dry Mist Disinfection
-  360° Sterilization
-  188μW/cm² UV-C Disinfection*
-  15L Reservoir Capacity
-  Max 6H Disinfection Time
-  Boil-dry Protection and Low-level Warning
-  Automatic Recharging
-  Automatic Localization and Navigation System

*At a temperature of 24.6°C and a humidity of 57%.

Machine Dimension	544x538x1290mm
Machine Weight	60kg
Battery Capacity	51.2Ah
Reservoir Capacity	15L
Motion Sensor	Yes
Irradiation Intensity at 1 meter distance	188 μW/cm ² , UV-C(254nm)
Effective Disinfection Distance	3 meters
Disinfection Time	Max 6H (Automatic Recharging)
Cruise Speed	0.1-1.2m/s (Adjustable)
Disinfectant Solution	Hydrogen Peroxide(H ₂ O ₂), Hypochlorous Acid(HClO), Chlorine Dioxide(ClO ₂), etc.
Max Climbing Angle	5°



Long Battery Life

Max 6 Hour Disinfection Time
The total battery capacity can support the disinfection of 12-15 rooms (20 m²/room).

Automatic Recharging
Puductor 2 is equipped with a docking station*. To make sure that the robot is fully charged and ready for the next task, time saving as it requires no involvement from your staff.

*Docking station needs to be purchased additionally.



UV-C Disinfection

Strong Illuminance
360° sterilization
99.99% disinfection rate
4x188μW/cm² ozone-free UV-C lamps

Intelligent Protection
Enclosed cabin with motorized interlocking mechanism, providing protection to the lamp while not operating



Laser SLAM Self-Driving Solution

3D Obstacle Avoidance
Accurately detect obstacles, stopping within a reaction of 0.5 seconds



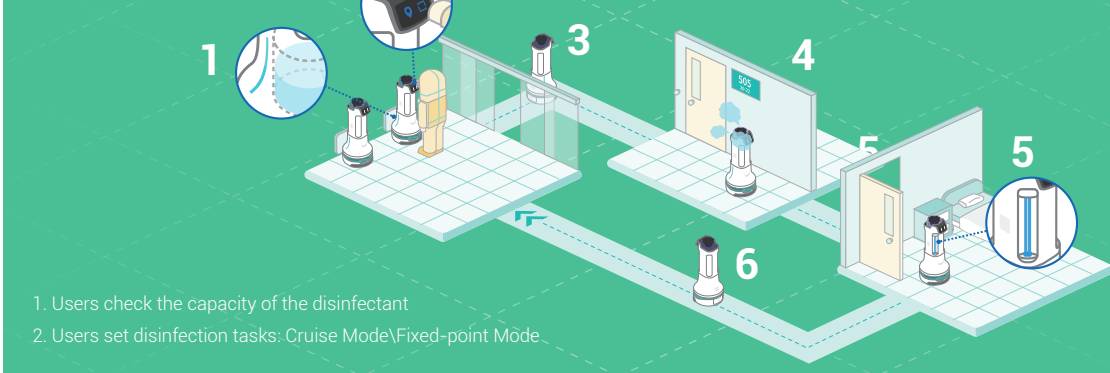
Ultrasonic Dry Mist Disinfection

Powerful Spray
Thorough disinfection
Max automation rate: 2L/H
15L solution capacity: Customers do not need to replenish the disinfectant solution frequently

Multi-Safety Protection
Boil-dry protection
Low-level warning

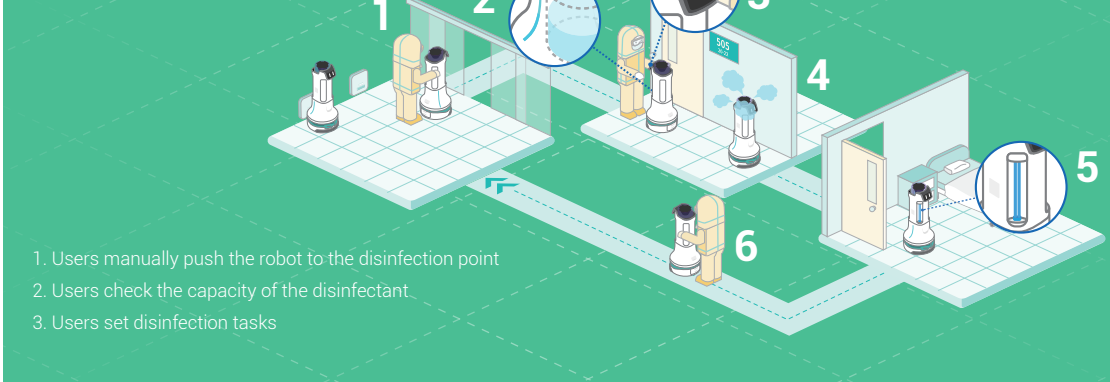


Automatic Mode



3. It automatically reaches the initial point of work
4. It begins to count down and notifies people to stay away from the disinfection areas
5. It completes the task as programmed or users terminate the task remotely
6. It automatically returns to the charging dock

Quick Mode



4. It begins to count down and notifies people to stay away from the disinfection areas
5. It completes the task as programmed or users terminate the task remotely
6. It automatically returns to the charging dock