

Autonomous Disinfection Robot with UV-C and Spray

This autonomous mobile robot provides efficient disinfection using UV-C lamps and ultra-dry spray. It features autonomous navigation, smart obstacle avoidance, and an intelligent scheduling system.



ADDITIONAL IMAGES



Overview

Autonomous Intelligent Disinfection

This advanced autonomous mobile robot is engineered for comprehensive indoor disinfection, utilizing a dual-action approach with ultra-dry spray and UV-C light technology. It effectively eliminates pathogens on surfaces and in the air, making it an ideal solution for hospitals, schools, and high-traffic office environments. Designed for efficiency, it features smart navigation for complete area coverage and a user-friendly interface for seamless operation and scheduling.

Disinfection Performance

Key Performance Metrics

99.9999 % Sterilization Efficiency	200 W/cm² UV Irradiation Intensity	10 μm Max Particle Diameter
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Spray System Details

Parameter	Value
Capacity	15L
Nozzles	6 units
Atomization Efficiency	0.5-1.5L/h

Compatible Disinfectants	Hydrogen Peroxide, Hypochlorous Acid, Peracetic Acid
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Technical Specifications

Dimensions	500 x 500 x 1350 mm
Weight	60 kg
Maximum Speed	0.8 m/s

Power and Battery

Battery System

- Capacity: 15Ah
- Voltage: 48V DC
- Battery Life: ~4 hours
- Standby Time: ~24 hours

Rated Power

150 W