

Autonomous Mobile Disinfection Robot with Temperature and Mask Detection

This autonomous mobile robot provides disinfection capabilities and monitors public health safety. It detects body temperature and mask-wearing compliance, alerting personnel to anomalies.



ADDITIONAL IMAGES



Overview

Autonomous Epidemic Prevention Robot

This autonomous mobile robot is engineered for public health safety and epidemic prevention in high-traffic indoor environments like hospitals, airports, and supermarkets. It integrates advanced sensor fusion and SLAM navigation to perform non-contact body temperature screening, mask-wearing detection, and automated disinfectant spraying. By automating these critical sanitation and monitoring tasks, the system effectively reduces cross-infection risks and enhances operational efficiency for facility management.

Key Features

Core Capabilities

Temperature Screening, Mask Detection, Automated Sterilization, SLAM Navigation, Real-time Monitoring, Obstacle Avoidance

Technical Specifications

Operating Speed

0.3 m/s

Standard Speed

0.6 m/s

Max Speed

Protection Rating

IP53

Dimensions

1150 x 675 x 560 mm

Climbing Ability

8 °

Battery Operating Time

e8hours

Temperature Screening

Measurement Accuracy	0.3 °C
Measurement Range	0.5 - 2 m

Sterilization System

Operation Efficiency

3240 m²

Area per Refill

78000 m²/day

Daily Capacity

Disinfectant Capacity

30 L

Certifications



Certified compliance with European EMC directives, ensuring safety and electromagnetic compatibility.



Compliance certificate for general product safety and electrical standards.

Compliance Standards

- CE Marking
- EMC Directive 2014/30/EU
- General Products Safety Directive 2001/95/EU
- EN 62368-1:2014+A11:2017