



FDATA

Your Trustworthy Robot Solution Partner

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We Specialize in Integrated ODM Project Management

Spray Disinfection Robot A101-A101A



Point-to-point handling



Multi-machine coordinated operation



Backstage management



Autonomous charging quick battery change



A101A

Controlled by Mobile APP



Spray port

A101

Interaction tablet

Disinfectant tank

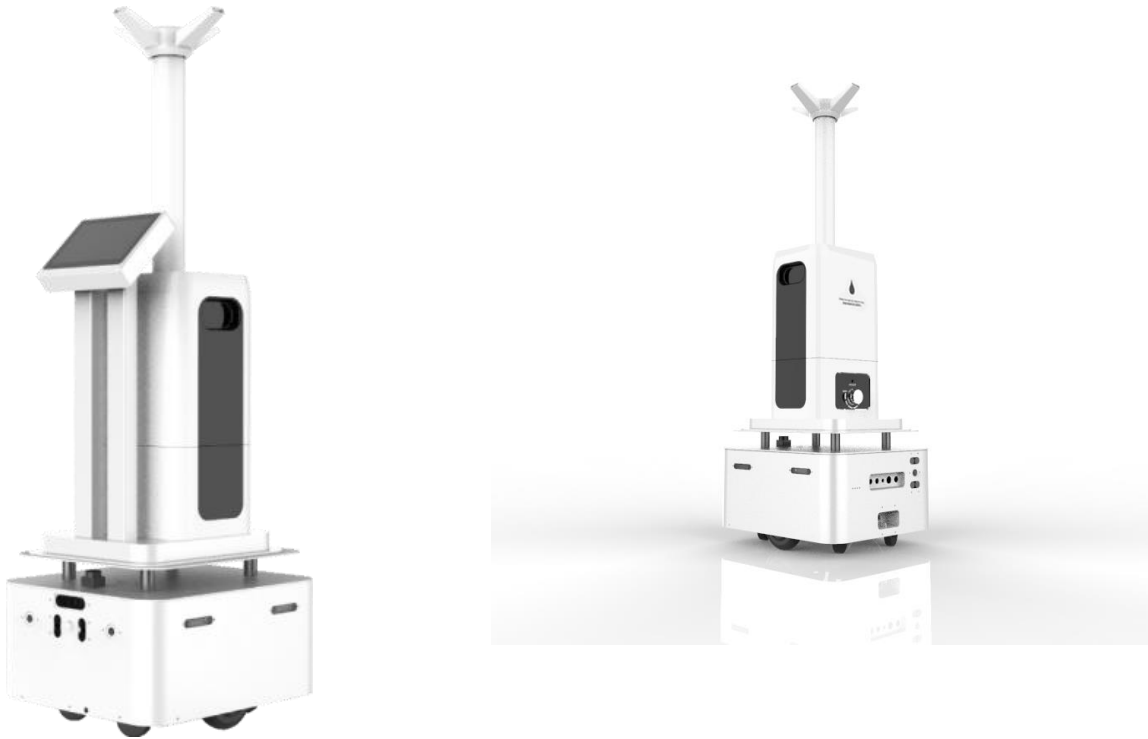
Robot Chassis

Spray Disinfection Robot A101 - A101A Features

- Prevent cross infection
- Reduce labor cost
- Intelligent consulting
- Hospital digitization



Spray Disinfection Robot A101-A101A Specification



Operating	Climbing angle $\leq 5^\circ$, ramp height $\leq 10\text{CM}$ (to ensure stability and machine does not tilt, the climbing angle needs to be controlled)	
	Maximum operating speed 1.8M/S (speed adjustable)	
	Indoor navigation operation + semi-outdoor navigation operation (within 40 meters of the open area, low-speed driving may not drive into the motorway and vehicle mix)	
Obstacle Crossing	$\leq 1\text{CM}$	
Wheel Hub Design	Master wheel with motor control*2 + driven wheel*4	
Navigation Positioning Accuracy	$\pm 50\text{mm}$	
Robot System	ROS	
Navigation and Barrier Avoidance	Autonomous planning navigation and obstacle avoidance, SLAM and multi-sen	
Sensors	Monocular camera	2
	RGBD camera	1
	Infrared night vision sensor	4*2
	LIDAR	1
	Ultrasonic Radar	3
	IMU	1
Collision Avoidance	Chassis front bumper + crash emergency switch	
Speaker	Support	

Learn more please
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*Thank
You!*



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