



FDATA

Your Trustworthy Robot Solution Partner

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We Specialize in Integrated ODM Project Management

UVC
Disinfection
Robot A102-
A102A





Point-to-point handling



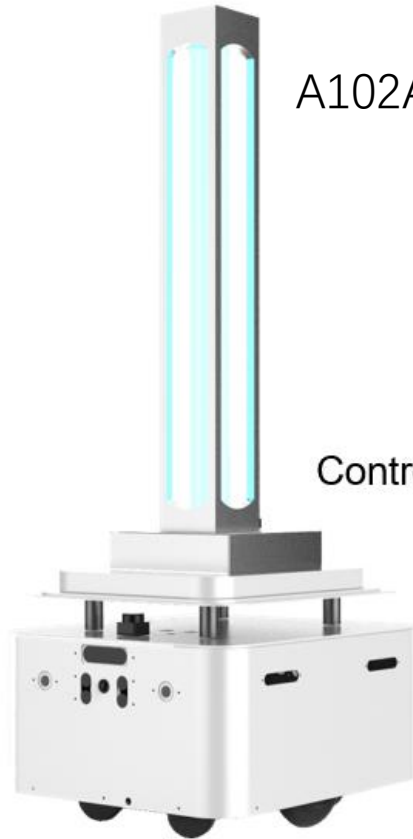
Multi-machine coordinated operation



Backstage management



Autonomous charging quick battery change



A102A

Controlled by Mobile APP

Interaction tablet



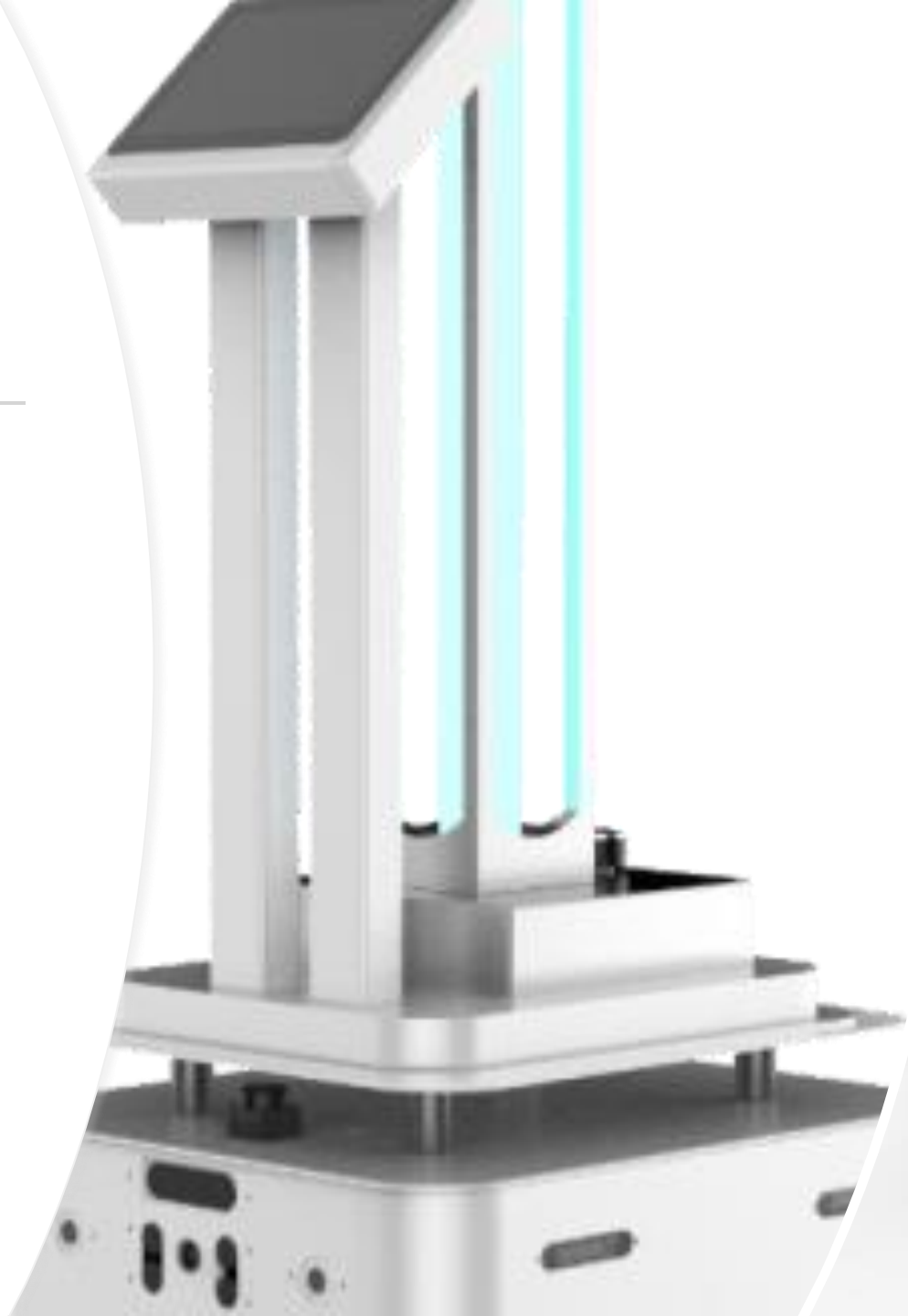
A102

UV disinfectant

Mobile Robot Platform

UVC Disinfection Robot A102 - A102A Highlight

- 1. Intelligent and Efficient: Custom disinfection path, autonomous navigation, and obstacle avoidance to reach the designated area.
- 2. Automatic Charging: 8H battery life, automatically return to charging when the power is low.
- 3. High Sterilization Rate: High virus sterilization rate.
- 4. Multiple Scenes: Can walk on carpet, wood floor, marble road



UVC Disinfection Robot A102-A102A Specification



UV Disinfector	Power: 150W	
	Wavelength: 253.7nm UVC	
	For indoor disinfection	
Operating	Climbing angle $\leq 9^\circ$, ramp height $\leq 10\text{CM}$	
	Running speed set to 0.8m/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 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

Learn more please connect us
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*Thank
You!*



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