

Do You Worry About COVID-19 ?



CODEMAX



CODEMAX IOT-I-FDR-01 ROBOT





INTELLIGENT DISINFECTION ROBOT

The operation is simple and convenient. Instructions can be given by the robot's own touch product, or remotely controlled by the mobile phone app. It can output character data for statistical inquiry and visual management



INTELLIGENT DISINFECTION ROBOT

It is suitable for a wide range of scenarios, long battery life, and a wide range of elimination. Satisfy high-frequency disinfection of office buildings, supermarkets, restaurants, hotels and other public places; the robot can carry 13L disinfection solution at a single time, and work continuously for 8 hours; single task disinfection covers an area of 4000-5000 square meters, and it is comprehensive within 3 meters in diameter Disinfection, spray volume can reach 1500ml / h



INTELLIGENT DISINFECTION ROBOT

Technology and intelligence. It can realize autonomous path planning, multiple points, cross-floor cruise killing, avoid obstacles, and recharge autonomously.

Intelligent building disinfection robot- LITE

Application:

Office buildings, supermarkets, restaurants and other small and medium-sized public scenes

Product features:

- **Atomized disinfectant**, comprehensive disinfection, wide disinfection range, full disinfection within the area of 3M diameter
- Spray volume, 1500ml/h
- 13L disinfectant can be loaded to support continuous disinfection for 8 hours
- Large capacity battery with maximum continuous work duration for 8 hours
- Autonomous path planning, autonomous obstacle avoidance and autonomous recharging
- Remote monitoring and control.



Main functions of the disinfection robot



Two disinfection modes: point-position disinfection and disinfection during moving



Atomizer opening/ closing and spray flow control are supported on the screen

Route and point position
To be configured

Point-position disinfection time
To be configured

Taking a lift by itself

Autonomous obstacle avoidance

Autonomous recharge

Task data statistics

Main parameters and performance indicators

Type	Parameters	Performance indicators
Basic parameters	Height	1170mm
	Diameter	508mm
	Weight	80 KG
	Service life of core components	3-5 years
Spray	Liquid volume	13L
	Flow	1500ml/h
	Number of nozzles	4
	Angle	360°
	Spray particle size	≤30um
	Applicable medium	Sodium hypochlorite, hydrogen peroxide and peracetic acid.
Touch display	Theoretical spray duration	≈ 8 hours
	Display	1920*1080
	Touch	10-point touch control

Moving	Chassis clearance	28.5mm
	Maximum passing height	5 degrees
	Minimum passing width	800mm
	Maximum speed	1m/s
	Normal speed	(0.5~0.8)m/s
	Action	360 degrees rotating, moving forward, moving backward
	Intelligent mapping	Support
	Autonomous positioning	Support
	Map modification and labeling	Support modification and point naming
	Binocular	1 group
Power supply	IR	1 group
	UT	3 groups
	Laser	1 group
	Battery type	Lithium battery
	Charging voltage	29.4V
	Input voltage	220VAC
	Charging time	≈5h (ready to use)
	Battery life	8 hours
	Rated power	88W
	Maximum power consumption	117.6W

Operation environment	Battery capacity	35Ah
	Rated current	4A
	Charging pile life	57,600 times
	Working site	Indoor hall or lobby with flag ground
	Working temperature	0~50℃
	Working humidity	10~90%
	Noise scope	≤100 dB
	IP protection and IK explosion-proof grade	No accurate data, no national standard formulated for robots
	4G router	Support China Mobile and Unicom
	WiFi 2.4G	Support
Communication	Blue tooth	Blue tooth 4.0
	Cache	16G EMMC, to be expanded to 64GB to the maximum by a TF card
	Built-in TF card	Support
	Max Expand	64GB TF
Local computing	Processor	4-core
	Operation memory	4G



ROUTE
SETTING



DISINFECTION
TIME SETTING



AUTONOMOUS
ELEVATOR



AUTONOMOUS
AVOID OBSTACLE



AUTONOMOUS
CHARGE



TASK DATA
STATISTICS

FEATURES

- Large spray volume: 1500ml / h
- Large capacity of disinfection tank:
The disinfection tank can be filled with 13L disinfectant, which can be continuously disinfected for 8 hours.
- Full floor coverage: can take the elevator independently, plan the path independently, avoid obstacles autonomously, and recharge autonomously.
- Continuous working for a long time:
large capacity lithium battery, up to 8 hours of continuous work.
- Work can be monitored:
remote monitoring, remote control.



OFFICE



MALLS



MUSEUM



RESTAURANT



HOTELS





IOT-DR-01 DISINFECTION ROBOT

1. Precision barrier avoidance, autonomous elevator, autonomous charging
2. Cloud scheduling, real-time monitoring of location
3. Hydrogen peroxide disinfection
4. Duration: 8 hours
5. Fully automatic disinfection tasks
6. Set tasks via touch screen



IOT-DR-02 DISINFECTION ROBOT

Dimensions: 1.3m (length) * 0.9m (width) * 0.45m (height)

Water tank capacity: 70L

Battery : 48V 22,000 mah

Max Range time: (2-3) hours

Maximum climbing: 50 degrees

Charging time: 40 minutes