BIGL

Ultraviolet Disinfection Robot

Broad spectrum disinfection with high efficiency
Disinfection rate 99.99%
Disinfecting an area of 1,000m2 in 100 minutes

Video monitoring
Real-time shooting high-speed network transmission

Face recognition
High-definition camera
Quick facial features capture

°C
Body temperature measurement
Real-time measurement of body surface temperature with thermal imaging and abnormality alarm

99.99 %
disinfection rate

Max. Speed: 100cm/s
Rotation radius: rotation in place

Size: height 1320*base (560*560)

Battery life: 2-3H

BIGL

Specifications List of the Ultraviolet Disinfection

Size	Base size (mm)	1320*560*560
Weight	Including battery	50KG
Power source	Battery	Lithium iron phosphate battery
	Battery capacity	24V/40Ah
	Charging time	4-5H
	Service life	80% remaining after 1200 cycles
	Maximum charging voltage	29.2V
	Endurance (idle)	2-3H
Driving wheel	Size (diameter * width mm)	160*45
	Material	Styrene butadiene rubber
	Power	200W
	Maximum speed	180r/min
	Maximum torque	4.7NM
Performance	Maximum load	50KG
	Maximum operating speed	1.5M/s
	Navigation accuracy	±30mm
	Direction	360° rotation
Safety protection	Emergency stop button	Emergency stop
	Ultrasonic	5 in total, on the front and back of the enclosure
	Indicator lamp	Operation mode indication
	Voice broadcast	Vehicle status broadcast
	Body sensing	Thermal infrared body sensor (optional)
	Remote start / stop	Provided with a remote control module for remote start / stop

Navigation	Navigation mode	SLAM navigation
	Routing	Automatic / manual
	Navigation sensor	TOF LIDAR (20m)
Communication	Wireless network	2.4G/5G WiFi
	Debugging port	Ethernet RJ45
	USB	USB2.0
Environment	Ambient temperature	0 C ~45 C
	Ambient humidity	Relative humidity 5~95% (non-condensing)
	Operating environment	Indoor only (free from dust and corrosive gases)
	Protection class	IP20
Ground conditions	Ground anti-skid factor	≥0.5
	Ground requirements	Flat concrete ground (free from water, oil and dust)
UVC lamp	Vertical obstacle crossing capacity	10mm
	Trench crossing capacity	20mm
	Maximum climbing angle	5°
	material	High purity quartz glass
	power rate	55W*4
	UV irradiation radius	6m
	Life time	12000h

Operation scenarios

Shopping mall

Business hall

Airport

Hotel

Government units lobby

Hospital

High-speed rail station

Restaurant