Efficient and Intelligent Cleaning Robot

C30

Key Features

➢ Experience a hands-free clean - Sweeping, Dust Pushing, and Vacuuming functions of C30 make it easy.

➢ New screen handle design – You can adjust the screen to a comfortable height, providing a more convenient and comfortable cleaning experience.

➢ Experience a comprehensive clean - in addition to floor sweeping and dust pushing, the powerful 11000Pa suction of C30 ensures that it picks up every last speck of dust and dirt, leaving your floors spotless.

➢ Achieve maximum cleaning productivity – 540㎡/h cleaning speed and 1500㎡ of coverage per charge.

➢ User friendly design - with the charging pile in front, charge and operate with ease.

➢ Safety is prioritized with the inclusion of three stereo vision sensors, which safeguarding both human and robot interactions.

➢ Easy maintenance - with quick-release features for all C30 components

Specifications

Performance

Robot Dimension(WxDxH)	490*620*750mm（With dust push）
	490*520*750mm（Without dust push）
	490*646*990mm（Raise armrest）
Box Dimension(WxDxH)	635*635*879mm
Robot Weight	35kg (With battery)
	30kg (Without battery)
Moving Speed	0.7m/s
Slope Angle	≤ 7°
Battery Life	3–4h（Sweeping/Vacuuming Mode）
	10h（Dust-pushing Mode）
Service Life Circle	5 Years
Cleaning Mode	Vacuuming Mode
	Sweeping Mode
	Dust-pushing Mode
Cleaning Area	1500㎡/task (Under full charge)
Cleaning Efficiency	540㎡/h
Maximum Vacuum Degree	11000pa

Noise	61-68db
Dust Collection	3.5L/bag
Maximum Cleaning Power	450W
Obstacle Climbing Ability	20mm
Carpet Cleaning Ability	10mm
Maximum Cleaning Width	455mm (Double side brush + rolling brush)

Environment

Operating Temperature, Humidity	0 - 40℃, RH: ＜80%
Operating environment	Indoor environment, carpet (regular low-pile carpet, ≤10mm) , hard floor, no dust
Storage Temperature	-10℃-60℃

Battery and Charging

Battery Type	Ternary lithium battery
Battery Capacity	DC 25.2V 30Ah
Battery Dismountable	Yes
Charging Mode	Automatic charging with the bundled charging pile and manual charging by recharger
Charging Input	100-240V~, 50/60Hz
Charing Time	2-3h
Charging Pile Dimension(L*W*H)	227*202*354mm
Charging Pile Weight	2.8kg TBD

Hardware

Machine Material	ABS and aluminum alloy
Positioning Method	Laser Positioning
Positioning Accuracy	Centimeter level
Sensing Techniques	LiDAR, Stereo Vision, Collision Sensor, Anti-fall Sensor
Sensor Coverage	Lidar detection range: 228°，<=25M; 3D Stereo vision range: 120°，0.1-1.5m
Network	Wi-Fi(2412-2472MHz)/4G
Expression Screen	7 inch(1920*1080)
Interactive Ability	Light/Touch

System and Function

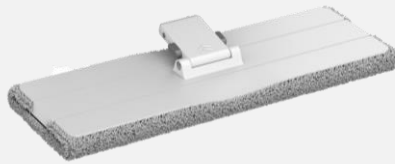| System	Linux(Control) & Android(Interact)
App Language	Chinese, English, Japanese, Korean, French
*App Functions	Sweeping Mode, Dust-pushing Mode, Vacuuming Mode
Expression	2 (Blink expression-working status; Doubtful expression-fault state)

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Official Standard and Optional Part

Package Contents	Robot*1, Charging Pile*1, Product Manual*1, Dust Push Board*1, Dust Push Mop*1, Side Brush*2, Rolling Brush*1, Dust Bag*1, Bird Brush *1, Vacuum Brush*1
Robot Color Optional	Pearl White

Package Content

Side Brush*2

Dust Push Board & Mop*1

Rolling Brush*1

Bird Brush*1

Vacuum Brush*1

Dust Bag*1

Product Manual*1

Charging Pile*1

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Main Unit and Dimension

646mm

Armrest ----------------------------------

990mm

490mm

Stereo Vision

Expression Screen

Stereo Vision

750mm

LiDAR

Automatic Charging Touch Point

520mm   90mm

750mm

Circular Strip Light ----------------------------------

Operation Screen

Armrest Unlock Button

Dust Push Board

520mm

Emergency Stop Button

490mm

Exhaust Port

Negative Pressure Door

Side Brush