# Efficient and Intelligent Cleaning Robot

## C30

## Key Features

- ➢ Hands-Free Cleaning: The C30 offers a hands-free cleaning experience with its sweeping, dust mopping, and vacuuming functions.
- ➢ Ultimate Edge Cleaning: Reaches every corner right up to the wall.
- ➢ Wide Cleaning Path: Dual side brushes create a 610 mm cleaning width, making large area cleaning faster.
- ➢ Extensive Coverage: Can clean up to 2500㎡ on a full charge.
- ➢ Powerful Suction: Boasts suction power up to 19000Pa with the Sweep-Gather-Vacuum mechanism.
- ➢ Intuitive Operation: Designed with an intuitive UI and handle for easy daily operation.
- ➢ Easy Maintenance: Quick-switch consumables for side brushes, Rolling Brushes, and dust bags; integrated tools for cleaning the roller brush and air duct.
- ➢ Adorable Design: Kitten-shaped design blends well with any environment, ideal for populated areas.
- ➢ Customizable Expression Screen: Can be used for cleaning task information and promotions.
- ➢ App & Web Management: Mobile app and web interface allow users to check robot status, cleaning tasks, reports, and receive alerts.

# Specifications

## Performance

| | |
|---|---|
| Cleaning Mode | Vacuuming Mode (Vacuuming Function +Sweeping Function) |
| | Dust Mopping Mode |
| Cleaning Efficiency | Up to 600㎡/h |
| Cleaning Area | Up to 2500㎡/task (Under Full Charge) |
| Suction Power | Up to 19000Pa |
| Maximum Cleaning Width | 610mm (Double Side Brushes + Rolling Brush) |
| Dust Collection | 3.5L/bag |
| Battery Life | 3–6h（Sweeping & Vacuuming Mode, actual result may vary） |
| | Up to 10h（Dust Mopping Mode, actual result may vary） |
| Noise | ≤70dB |
| Maximum Moving Speed | 0.8m/s |
| Braking Distance | 50cm |
| Obstacle Climbing Ability | 20mm |
| Carpet Cleaning Ability | 10mm |
| Slope Angle | ≤ 8° |

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## Measurements

| | |
|---|---|
| Robot Dimension(W*D*H) | 490*610*750mm（With Dust Push） |
| | 490*520*750mm（Without Dust Push） |
| | 490*646*990mm（Raise Handle） |
| Robot Weight | 35kg (With Battery) |
| | 30kg (Without Battery) |
| Charging Pile Dimension(W*D*H) | 220*130*330mm |
| Charging Pile Weight | 2.4kg |

## Environment

| | |
|---|---|
| Operating Temperature and Humidity | 0 - 40℃, 20% - 80%RH |
| Operating environment | Indoor environment, carpet (regular low-pile carpet, ≤10mm) , hard floor |
| Storage Temperature and Humidity | -15℃ - 45℃, 20% - 80%RH |

## Battery and Charging

| | |
|---|---|
| Battery Type | LFP battery |
| Battery Capacity | DC 25.6V 28.5Ah |
| Charging Mode | Automatic charging with the bundled charging pile |
| Charging Input | 100-240V~, 50/60Hz |
| Charing Time | 5-6h |

## Hardware

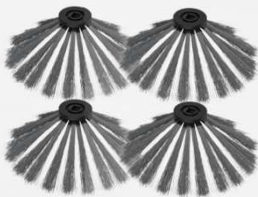| | |
|---|---|
| Machine Material | ABS and aluminum alloy |
| Positioning Method | Laser Positioning |
| Positioning Accuracy | Centimeter level |
| Sensing Techniques | LiDAR, Stereo Vision Sensors, Collision Sensor, IMU(Inertial Measurement Unit) |
| Sensor Coverage | LiDAR detection range: 240°，<=25M;<br>Stereo Vision Sensor horizonal coverage: 120°，0.1-1.5m |
| Network | Wi-Fi: 2.400-2.4835GHz, max 13.90dBm; ESP01: 2.400-2.4835GHz, max 13.90dBm |
| Operation Screen | 7 inch(1024 x 600) |
| Interactive Ability | Light/Touch/Customizable Contents on the Expression Screen |

## System and Function

| | |
|---|---|
| System | Linux(Control) & Android(Interact) |
| App Language | Chinese, English, Japanese, Korean, French |
| App Functions | Immediate Cleaning/Scheduled Cleaning/Manual Cleaning/Teaching Mode |

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## *Official Standard and Optional Part*

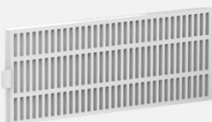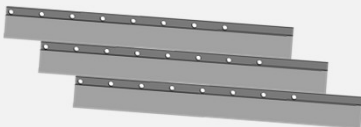| | |
|---|---|
| Package Contents | Robot*1, Charging Pile*1, Product Manual*1, Side Brush*4, Mopping Cloth*2, Rolling Brush*2, Roller Brush Scraper*3, Dust Bag*20, HEPA Filter*1 |
| Consumables (Available for purchase) | Side Brush, Mopping Cloth, Rolling Brush, Roller Brush Scraper, Dust Bag, HEPA Filter |
| Robot Color Optional | Pearl White |

## *Package Content*

Side Brush*4

Mopping Cloth*2

Roller Brush*2

HEPA Filter*1

Roller Brush Scraper*3

Dust Bag*20

Charging Pile*1

Product Manual*1

## *Main Unit and Dimension*

490mm

750mm

Stereo Vision Sensor

Expression Screen

Stereo Vision Sensors

LiDAR Sensor

Automatic Charging Point

520mm    90mm

750mm

646mm

990mm

Handle

Circular Strip Light

520mm

490mm

Dust Pusher

Emergency Stop Button

Operation Screen

Handle Unlock Button

Exhaust Port

Negative Pressure Door

Side Brush