# i CLEAN

*· INTELLIGENT ROBO VAC ·*

# i Clean – Intelligent robotic Vacuum Cleaner

Independent research and development, design and production of high-end intelligent robot vacuum cleaners manufacturer

## High-end Visual Robot Vacuum Cleaner

# Intelligent Eyes, AI Vision Technology !

## Where am I?

Applied professional OV vision sensor, top vision 166° ultra wide Angle,32FPS,

Simulated neural network algorithm, which can keep dynamic survey in progress,

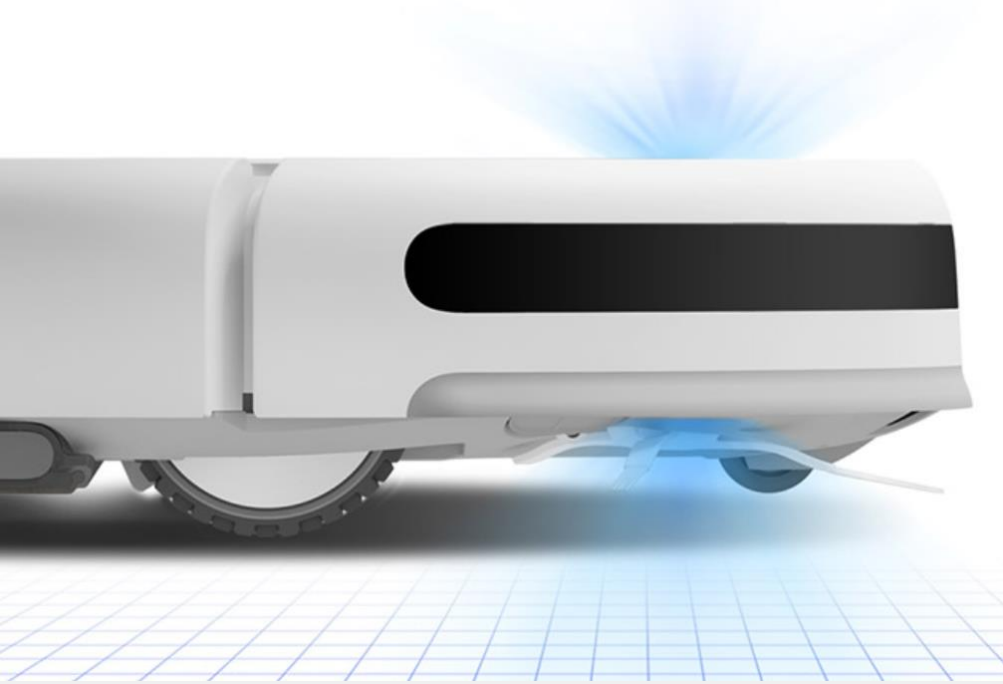Capturing information, mapping, locating faster and more accurately.

## Where to go ?

Create a precise visual map

## How to go?

Route planning for whole house

# Optical Flow Sensor

In the environment of insufficient light and carpet, the optical flow sensor at the bottom of the machine will calibrate the cleaning route to carry out a more thorough cleaning.

## 3 Large sensors  help accurate positioning

**Gyroscope sensor+Optical flow sensor+ Vision sensors**

Multiple auxiliary positioning enables more accurate and complete location information acquisition.

Automatically recharge when the battery is insufficient ,return to the original place to continue cleaning after the charging reaches 80% .
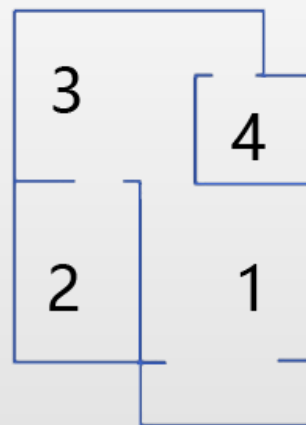
The robot will automatically go back to the charging sation when it finishes cleaning.
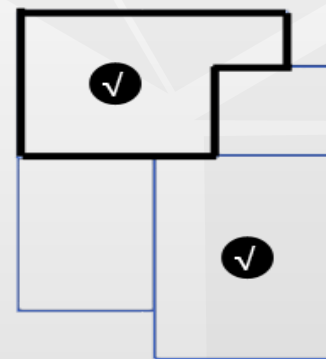
Smart APP Control | Smart Mapping

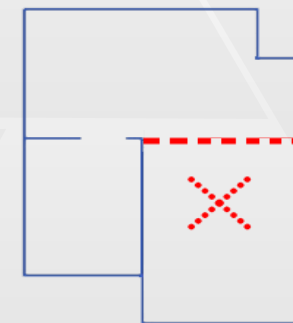New intelligent algorithms, advanced maps, room recognition,automatic partition, improve cleaning efficiency

**Automatic cleaning**

high efficiency

**Zone cleaning**

spot cleaning

**Virtual wall**

restricted area

Third-party Control

Alexa  Google Assistant  XIAODU  Tmall Genie

Intelligent Speaker Voice Control

**Support for Amazon Alexa, Google Home and Tmall Genie……You can control the robot vacuum cleaners without moving your hands.**

Truly free your hands !

# OTA Online Update

Constantly improve the usage experience, timely push new firmware, upgrade optimization cleaning functions and algorithms of robot vacuum cleaners;Keep Pace with The Times

# BYD lithium-ion battery

3200mAh brand large capacity battery, long-time endurance

# 7.8cm small size

The machines are in small size pass under the furniture flexibly to clean any corner .

7.8cm

# Intelligent recognition of sunlight, dark floor

In the sun, and in the dark floor robot does not retreat.

# 20mm climbing ability

Enhanced climbing ability can help to climb from  hard floor to carpet in 20 mm thickness
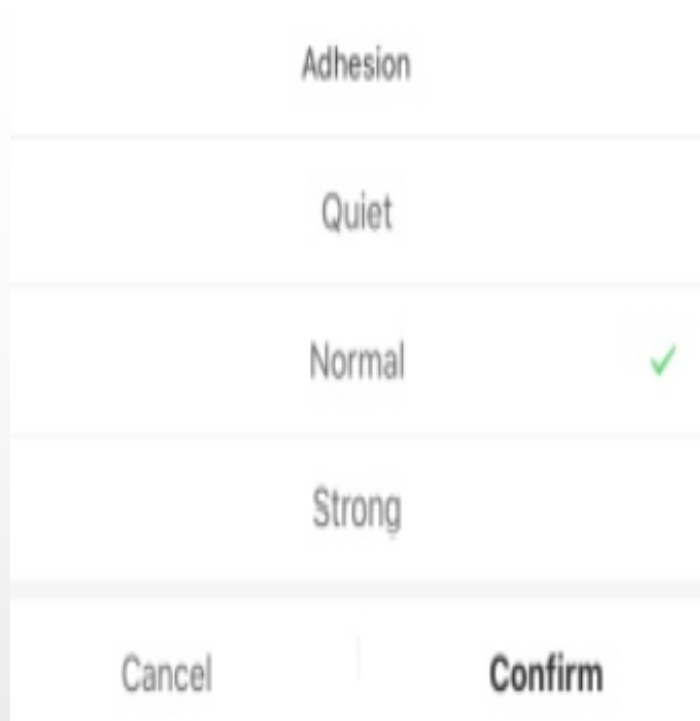
**2CM**

Cross-country chassis

Balance the center of gravity

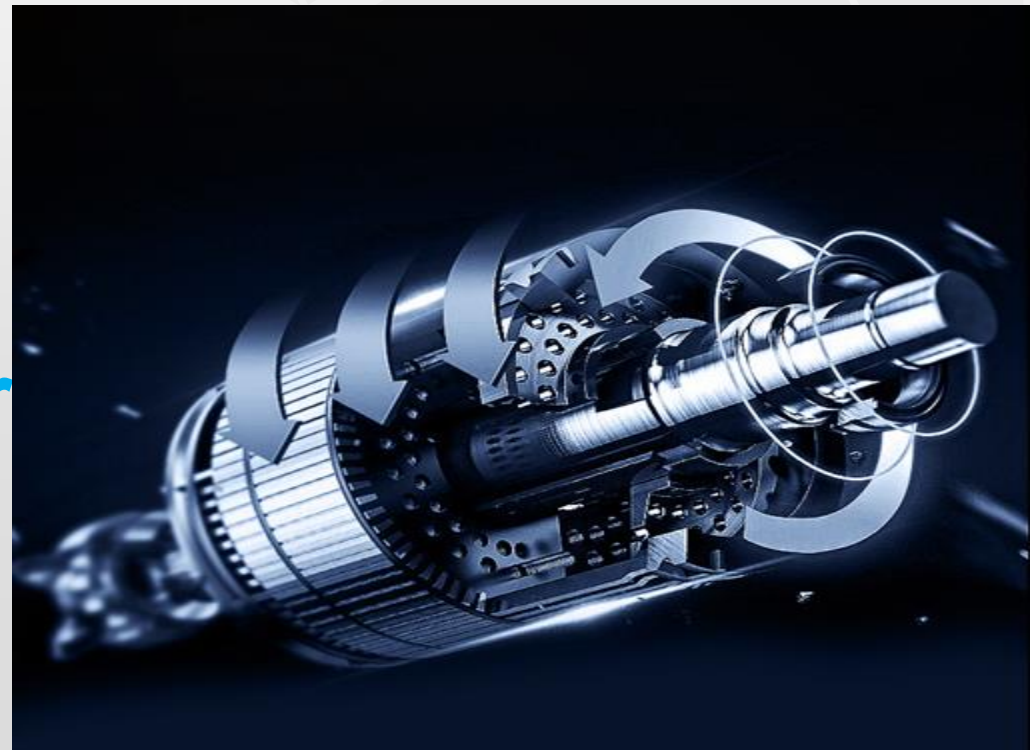Grip rubber

Grip antiskid

Floating roller brushes

Provide support

Adhesion

Quiet

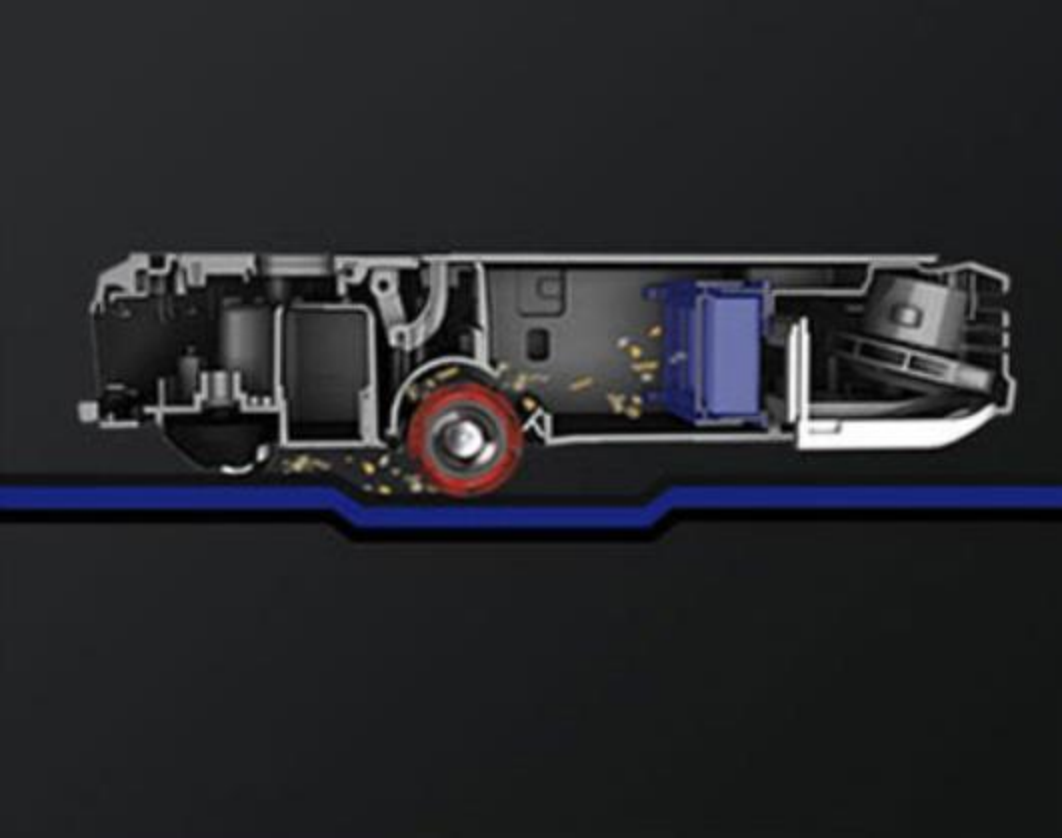Normal ✓

Strong

Cancel | Confirm

**3 adjustable modes of suction power**

**Japan-imported brushless motor**

The world top 500 brushless motor, excellent dust removal effect and reliable quality.
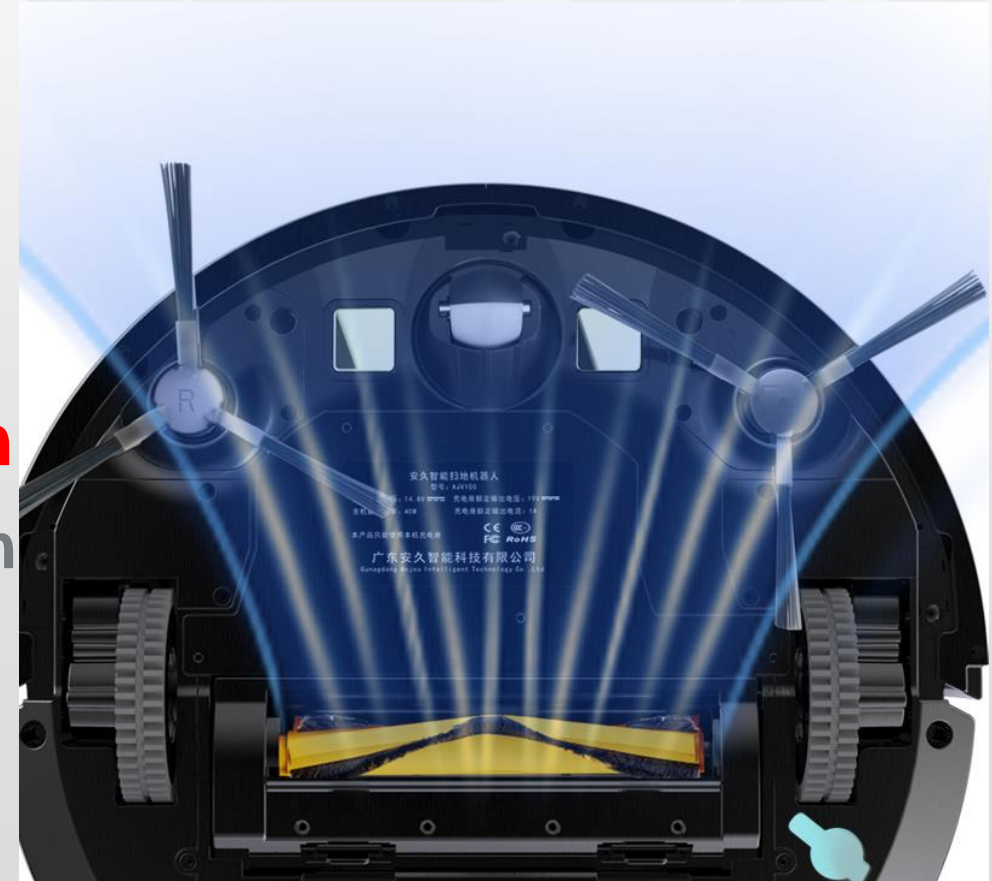
# Floating roller brush

## More fit the ground for deep cleaning

# V-type composite wool rubber roller brush

Highly gather dust more efficiently, works well on thin carpet and hard floor. Float up and down,close to the floor,prevent secondary pollution.

# Triple filter system | large-capacity dust box

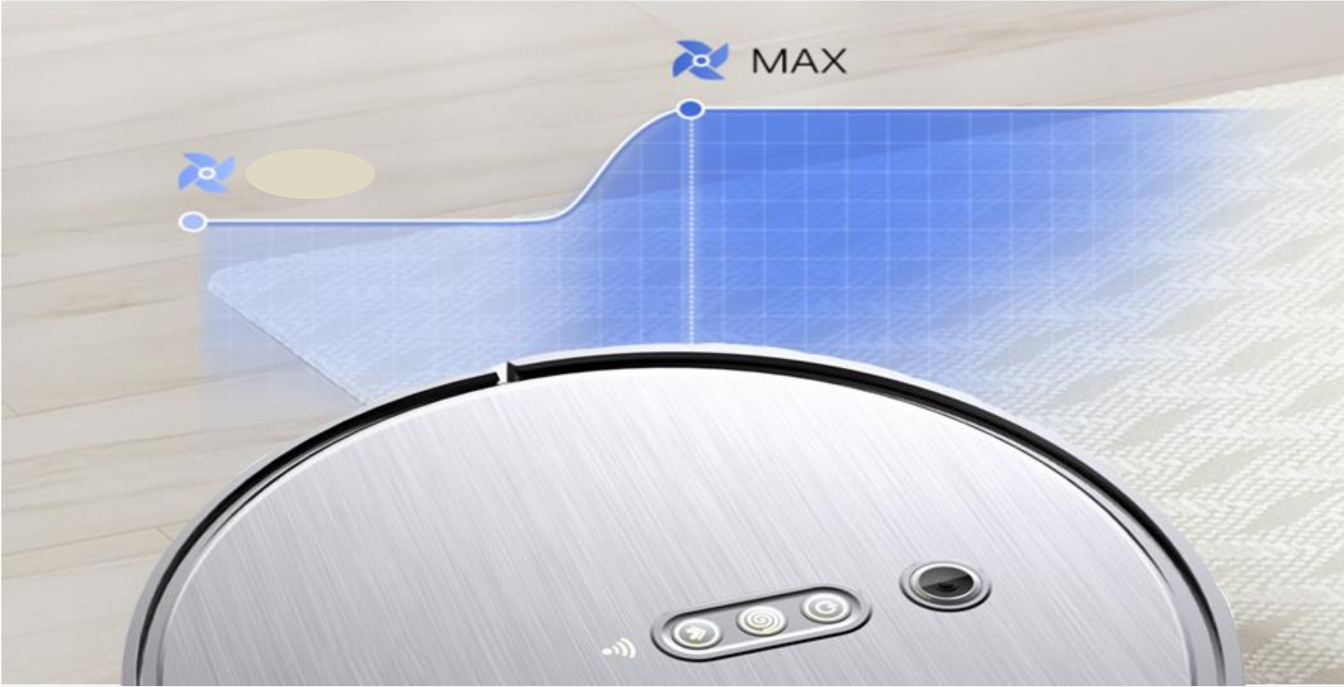Filter 99% small dust, no secondary pollution;internal dust box sensor;large capacity without frequent cleaning.

# Algorithms of escaping obstacles

Flexible to escape obstacles

# Obstacle identification

11 groups of anti-collision sensors, effectively identify obstacles.

# Carpet pressurization

Automatically increases suction power to the max mode when a carpet is detected, to ensure a thorough cleaning on the carpet.

# Support physical virtual wall

You can use virtual wall to isolate the areas that do not want to be cleaned.

| Parameters | i Clean V100 Pro |
|---|---|
| visual sensor | 166° ultra-wide Angle, 32FPS, high precision, fast and accurate positioning |
| optical flow sensor | Yes |
| various sensors | 33groups |
| dynamic relocation | Yes |
| dynamic indoor walking direction automatic calibration | Yes |
| lithium battery | 3200mAh |
| floating roller brush | Yes |
| v-type composite wool rubber roller brush | Yes |
| partition map | Yes |
| front sensor | 13 groups |
| climbing height | 20MM |
| anti-collision charging station | Yes |
| aromatherapy purifies the air | Yes |
| Suction Range | 2600 -3000 Pa |
| Motor Type | BLDC |
| Noise Level | 53 dB |
| Water Tank Capacity | 300ml |
| Dust bin Capacity | 680ml |
| Net Weight | 2.8 Kg |

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