



*EZVIZ RS20 Max*

# ***Robot Vacuum & Mop Combo***



Certified for ETSI EN 303 645  
standard in consumer IoT security





# Ultra-Smart Cleaning Simplified to the Max

Omni-dimensional  
spatial information  
processing

EZVIZ  
TECH

Advanced  
obstacle avoidance

108  
common objects

AI Task Automation

In-progress  
task adjustment

Powered  
by EZVIZ AI

Powerful for Spotless  
Result

13,000Pa  
ultra-strong  
suction



Carpet detection  
with auto  
suction boost



Smart liquid stain detection &  
automatic re-mopping\*

×3



Effective dynamic mopping  
down to every edge &  
corner

180RPM

10N

EZVIZ  
TECH



Long standby  
time (300 m<sup>2</sup>  
per single  
charge)



N-in-1 omni-task base station



Easy with  
Extensive  
Automation

Auto mop  
installation  
& detachment

EZVIZ  
TECH

EZVIZ  
TECH

3in1  
CutFree  
Brush

Upgraded  
to 2.0

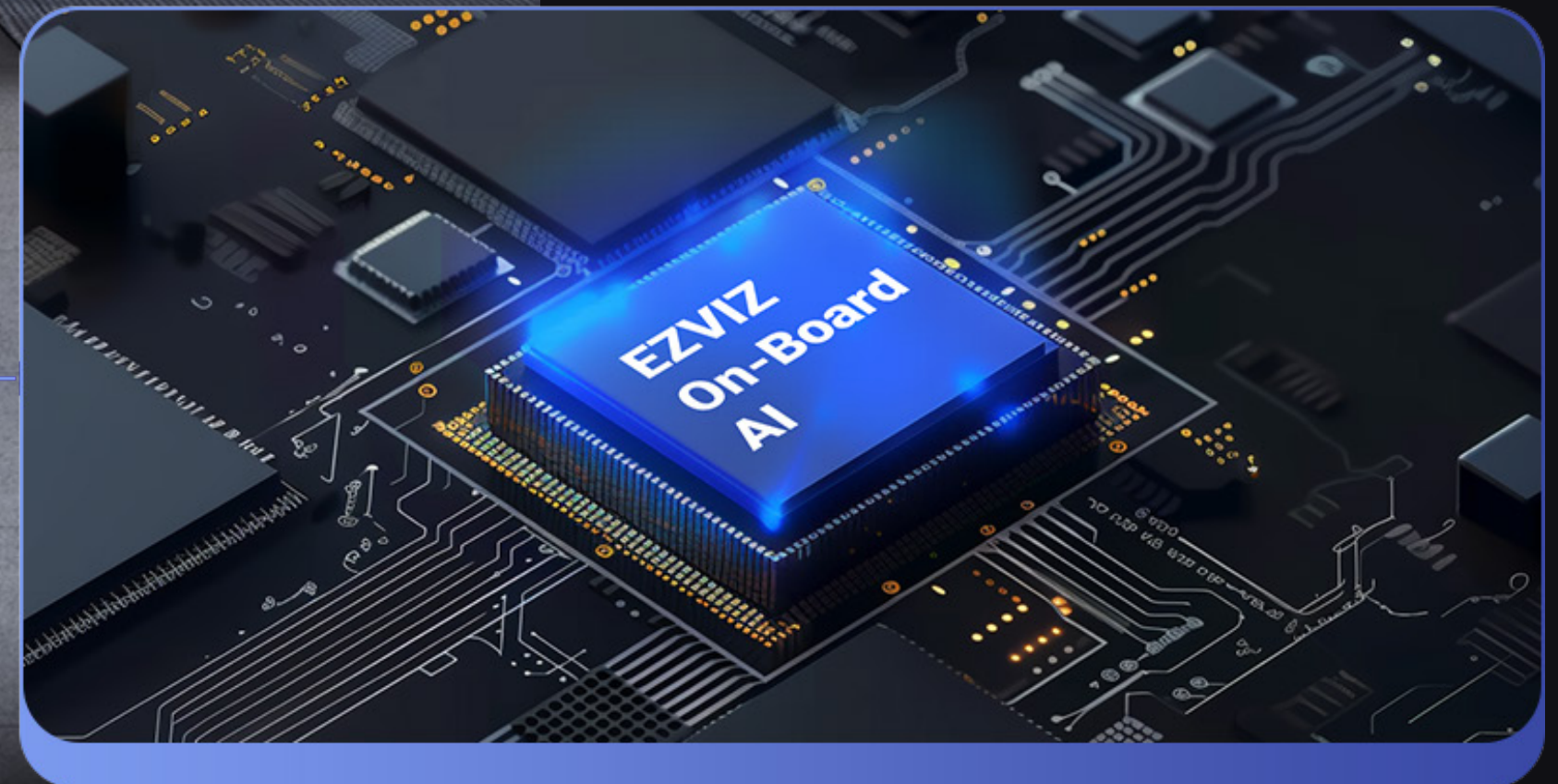
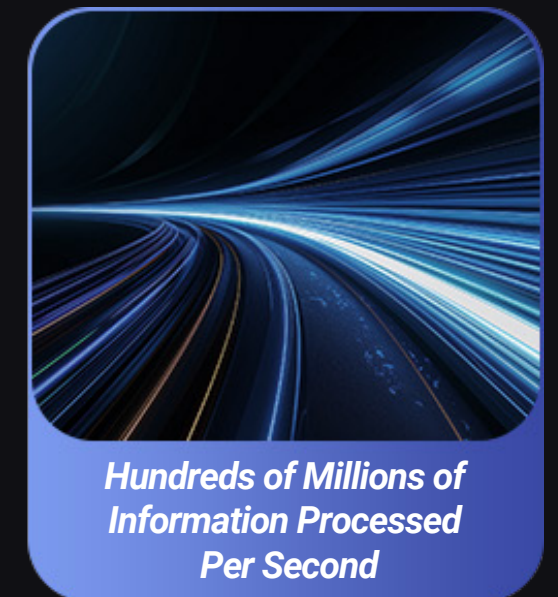
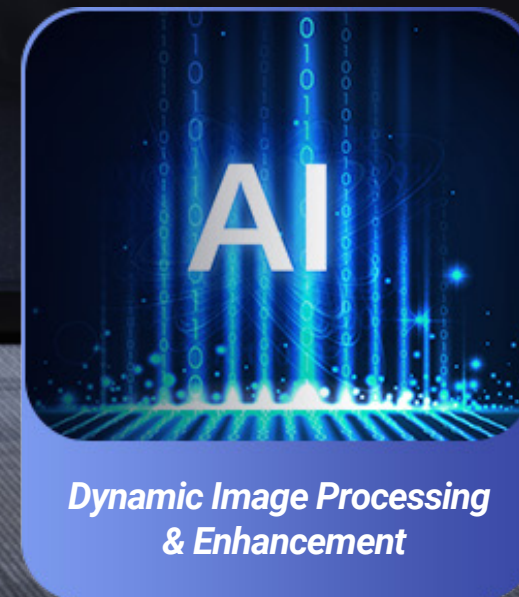
Full cycle of self-cleaning, emptying & water refilling





# *Time to bring next-level intelligence on board*

Meet the next-generation robot powered by EZVIZ AI and video intelligence. The RS20 Max is among the smartest in the market to quickly understand complex home environment, smoothly navigate itself around obstacles, automate tasks with real-time adjustment, and do much more without you lending a hand.





**01**

## ***An agile robot that moves confidently around***

The RS20 Max uses its incredible vision to identify an extremely long list of common objects found on your floor, so it doesn't get itself stuck or bumps into obstacles easily. It's smart enough to navigate itself throughout your entire home without you babysitting it all the time.

**AI RGB Camera**

+

**LDS LiDAR**

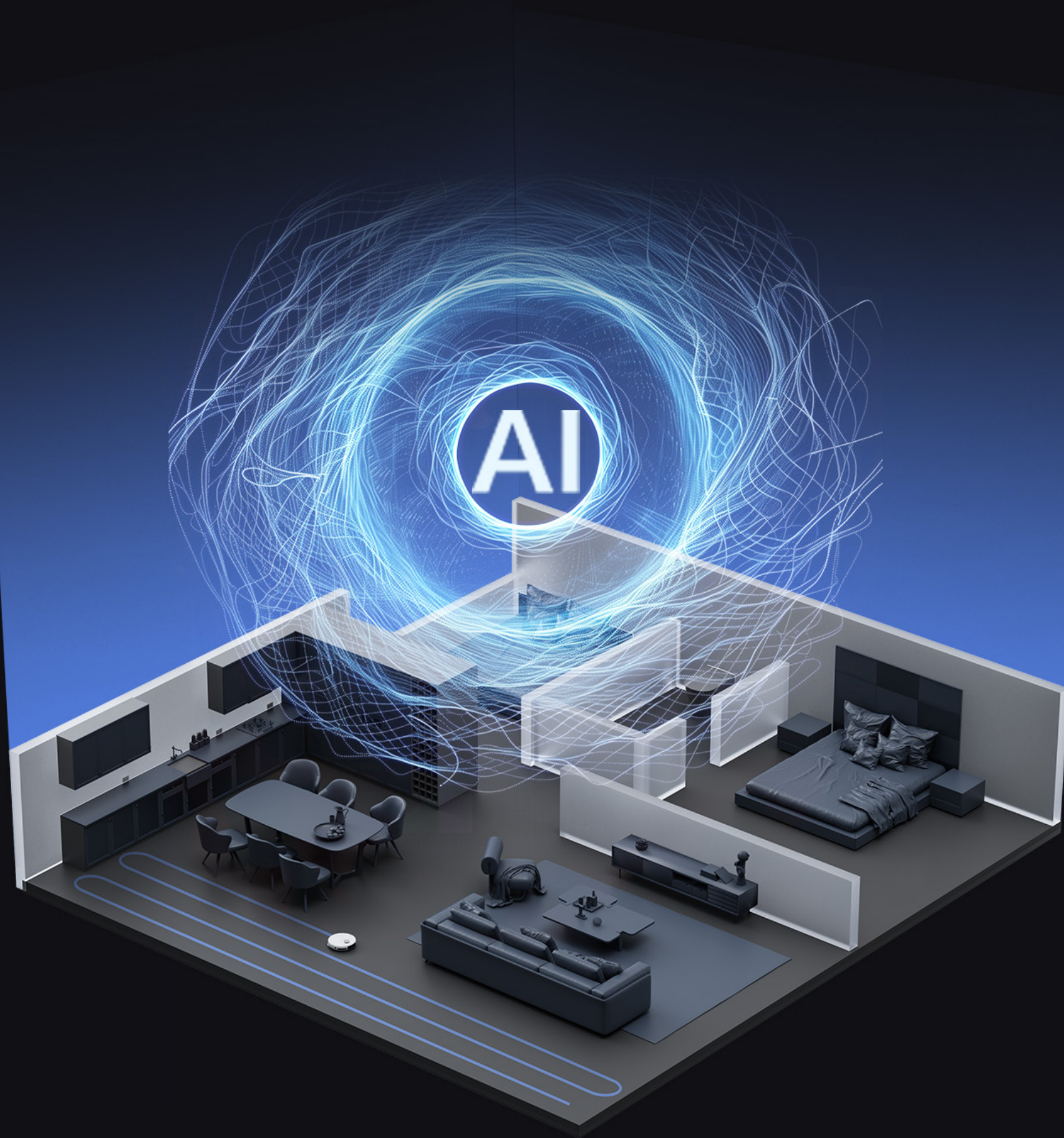
+

**Structured Light**

**108** common objects



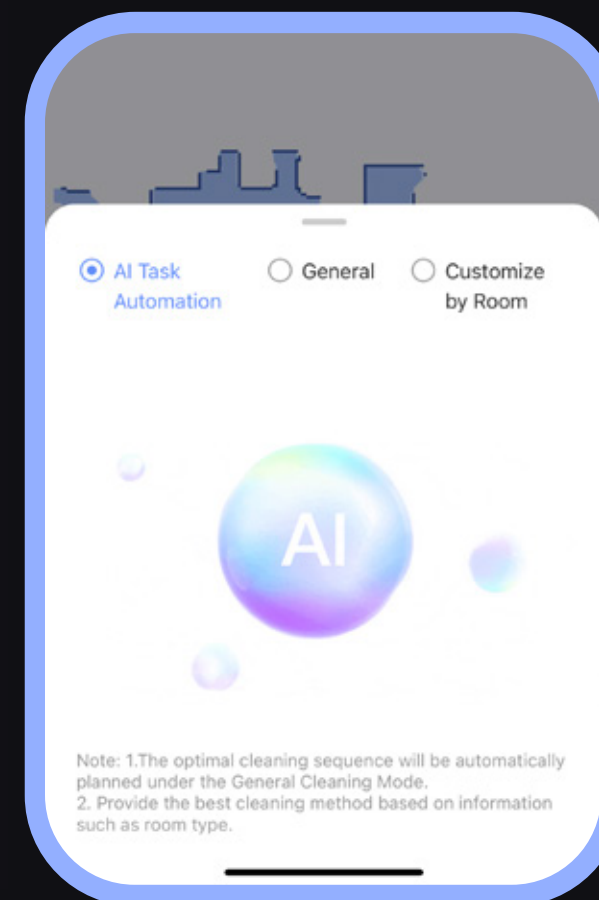




02

## *A drone-alike robot that cleans without a human pilot*

Hands-free cleaning is now further personalized with complete automation. You can leave everything to your RS20 Max with one tap. It will create the cleaning routines on its own, making adjustments based on the room's type, ensuring each area gets the right attention.



### *AI Task Automation*

- ✓ Auto-decides cleaning priorities & sequence by room type
- ✓ Self-customizes cleaning modes & intensity for each room/area

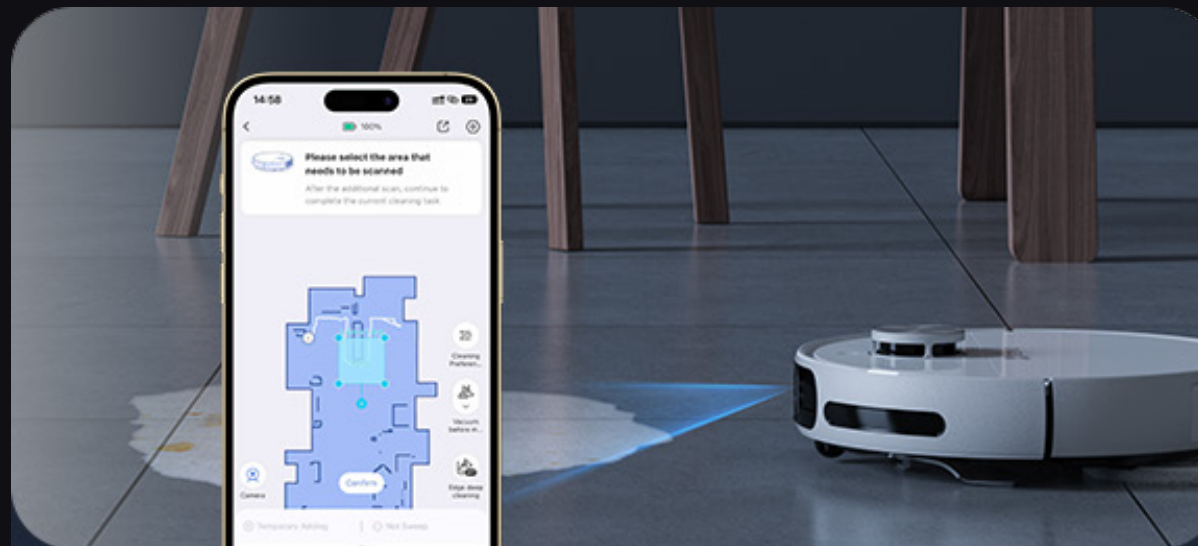


03

## A thoughtful robot that guarantees optimal results

The RS20 Max is keen to detailed cleaning. It never leaves a stubborn stain without removing it completely, and actively responds to situations on the go.

### Responsive Actions for Targeted Cleaning

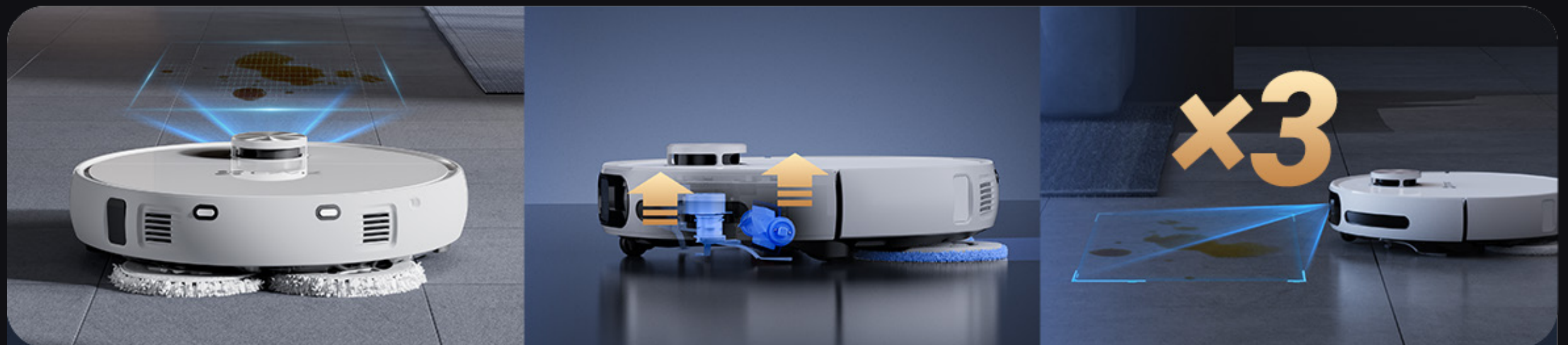


Supports adding or skipping tasks during an on-going mission to tackle on unexpected situations



Detects particles in real time to auto-boost the suction power for in-depth vacuuming

### Liquid Stain Detection with Automatic Re-Mopping\*

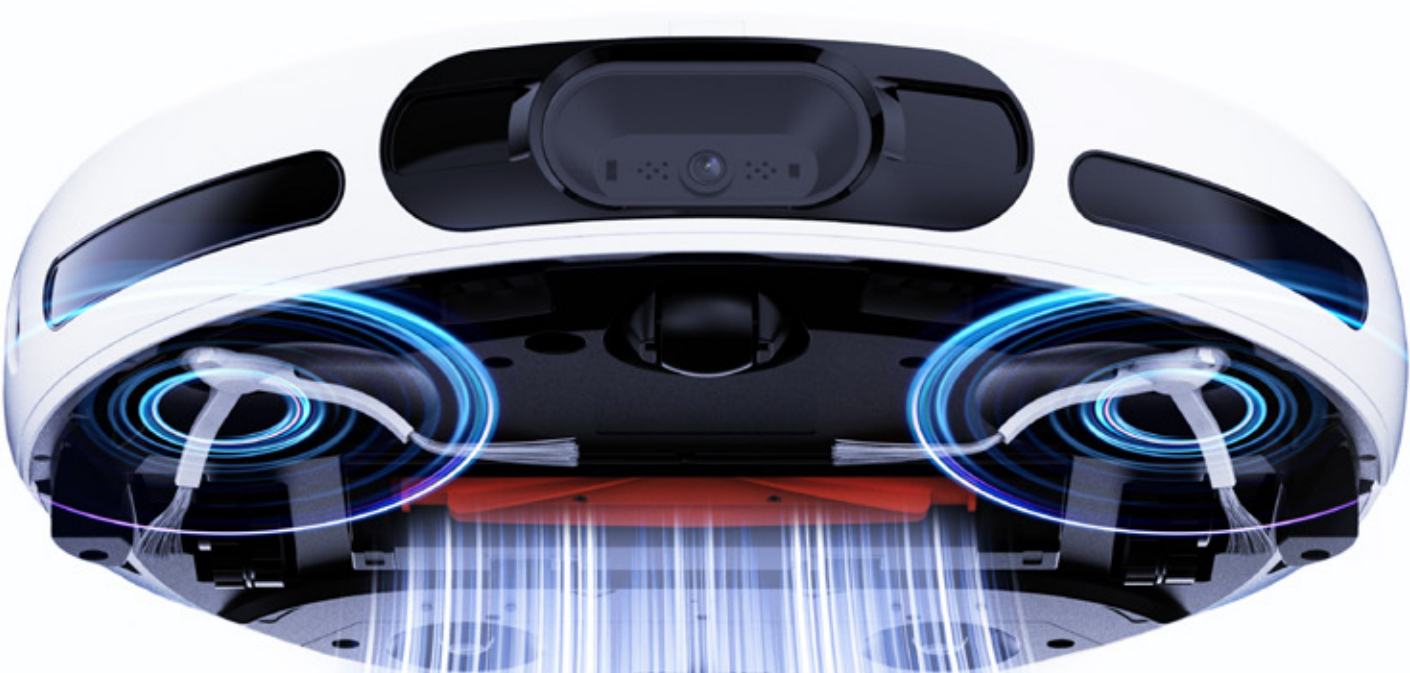


- 1 Detects spilt liquid or sticky stains
- 2 Auto-lifts both main roller brush & side brushes
- 3 Auto-increases water flow through the mop pads
- 4 Auto-locks on the stain area to re-mop 3 times



# Nothing escapes from this powerful system

The RS20 Max not only vacuums powerfully hard, but also effectively with its unique, patented 3-in-1 CutFree brush system. When in operation, it's fully driven to bring out the most stubborn dirt trapped in gaps and fabrics, while keeping itself untangled from hair and dander.



**13000<sup>Pa</sup>**  
**SUCTION POWER**



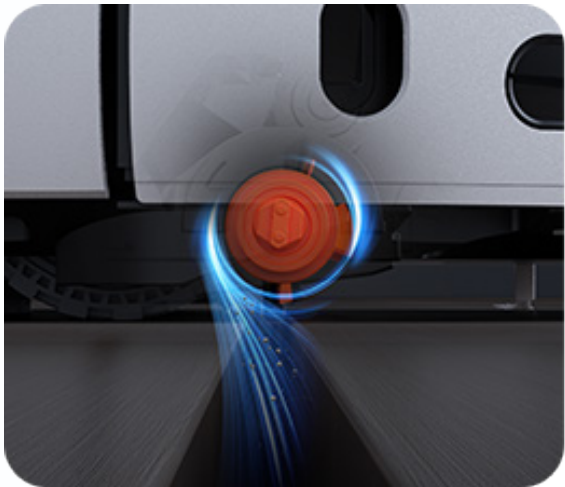
**Bristle Brush**



**Rubber Brush**



**Blades**



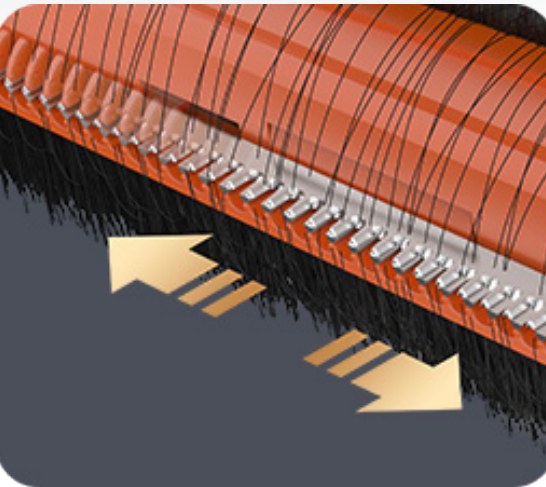
1

Brushes up hidden hair,  
dust & debris



2

Flaps fast to dust off the  
carpet (3,000 times/minute†)



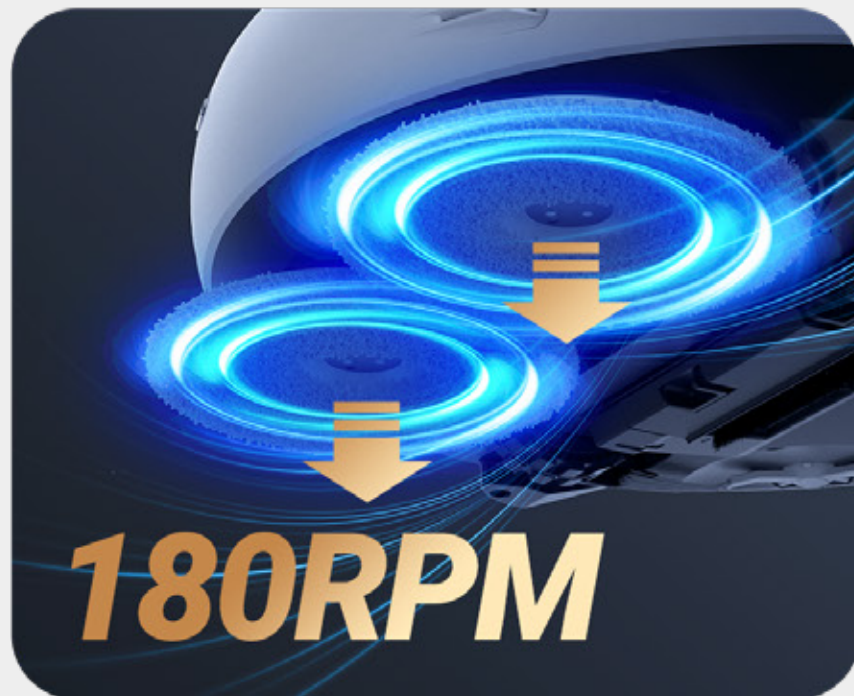
3

Cuts free tangled hair  
when self-cleaning at  
the base station



## *Advanced dynamic mopping for spotless floors*

Want to walk around with bare foot and sit down wherever you'd like to truly relax yourself at home? The RS20 Max is serious about in-depth mopping that restores the sparkle of your floor down to even the tightest edges.



### **Capable**

Dual Mop Pads with  
180RPM Rotational Speed



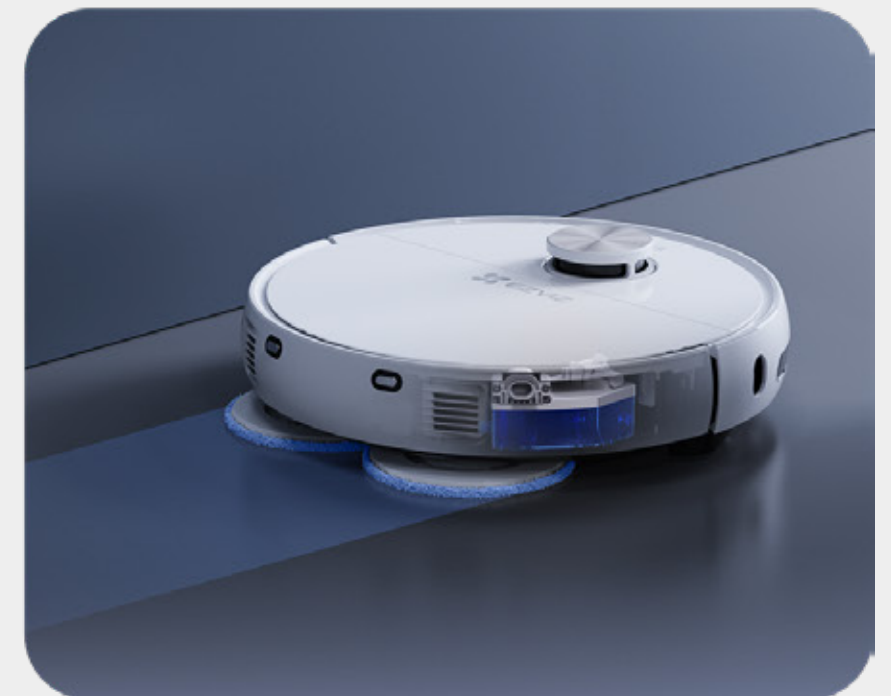
### **Effective**

Consistent 10N Pressure  
for In-depth Mopping



### **Detailed**

Dynamic Edge Mopping  
for Hard-to-reach Areas



### **Refreshing**

Built-in Clean Water Tank  
for Continuous Water Flow



# *Automatically smart to take care of carpets*



Automatically separates hard floors & carpets with different modes

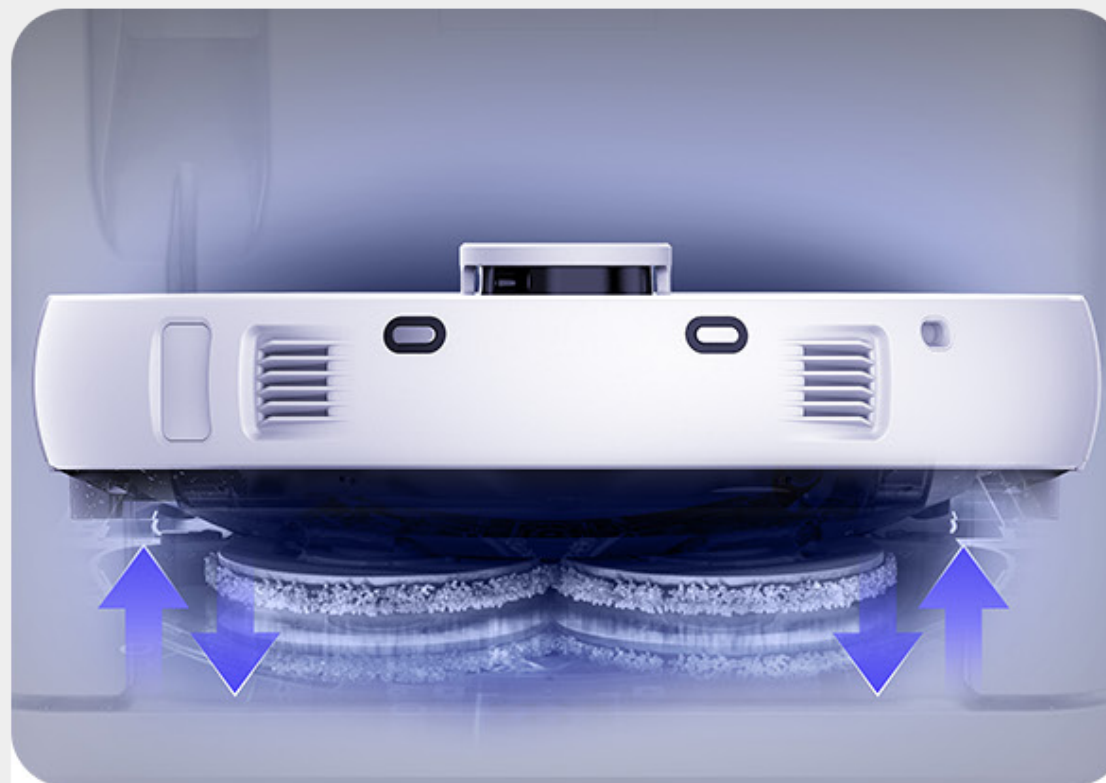


## **Carpet detection**

The RS20 Max never steps on a carpet during a mopping mission. It detects and avoids such areas to prevent your expensive carpets from getting wet or dirty.



No wet & dirty mops on carpets



## **Automatic mop detachment**

Before moving onto the carpet, the robot returns to the base station to detach its mop pads. You don't have to flip over the robot to remove them manually.



Always vacuums at its best



## **Suction boost mode**

When undergoing vacuuming mission on a carpet, the robot automatically boosts its suction power to dig up hidden, stubborn dust, hair, and pet dander easily.



## One robot, multiple tasks

Free up space in your utility room, as the RS20 Max is incredibly multi-purpose to carry out tasks that are usually done by various cleaning machines and tools. Set it on different cleaning modes, or let it decide on its own.



*Let it run on  
different  
floor types*

*Toggle between  
cleaning modes  
to tackle messes*



### **Vacuum First, Mop Next**

Deep and thorough  
cleaning



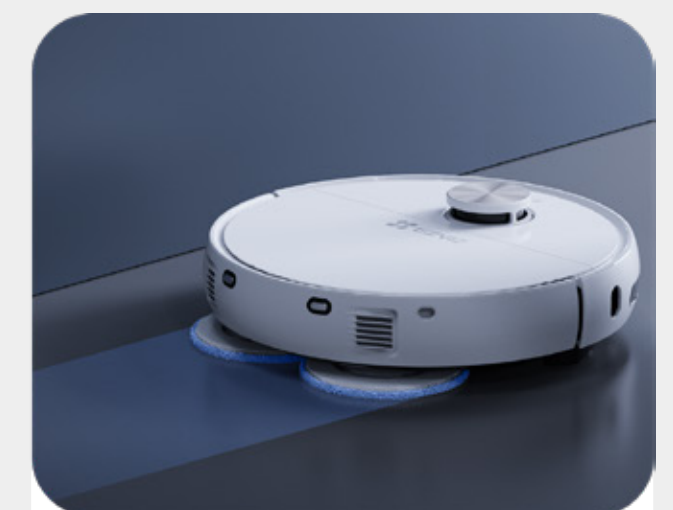
### **Vacuum While Mopping**

Efficient and standard  
daily cleaning



### **Vacuum Only**

Dry messes, like cat hair



### **Mop Only**

Wet messes, like spilled  
milk or coffee



## ***New epitome of hands-free cleaning & maintenance***

Unlike most robots on the market that work with single - or dual-purpose charging stations, the RS20 Max's pairing base station is more multi-functional than you'd imagine. With it, the RS20 Max completes a full self-cleaning cycle to become as good as new after even the heaviest cleaning task.



## ***Self-prepares for different, heavy tasks***



Automatic mop installation & detachment  
between different cleaning tasks



Automatic refilling of clean water  
to the robot





Automatic cutting of tangled hair and dander on the 3-in-1 roller brush



Large 5L waste bag in the station to collect dust for up to 120 days

*Self-empties both tangled & collected wastes*

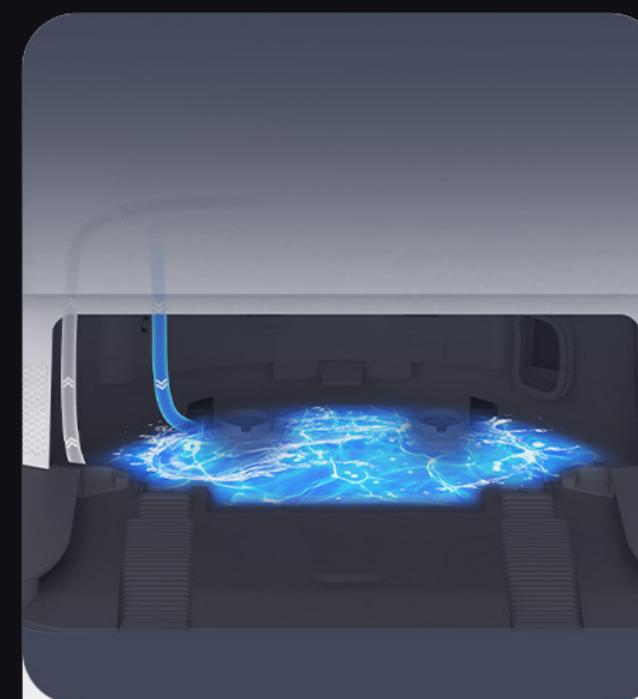
*Self-sanitizes to stay clean and dry as new*



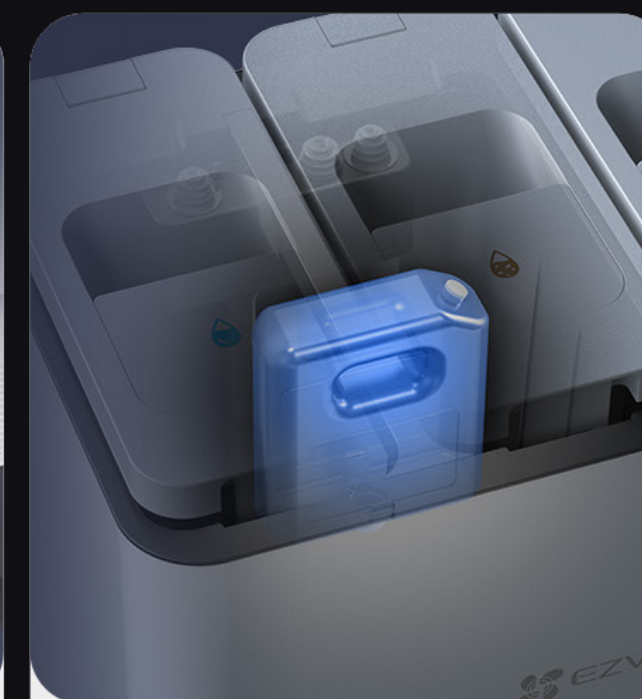
60°C hot water mop washing to flush out dirt automatically



Hot air drying to avoid germs from building up on wet pads



Base washing to keep the whole system freshly clean



Cleaning solution auto-adding during the washing cycle



# A robot ready for big houses



You don't have to manually pick up or constantly charge a dead robot during a long cleaning task. The RS20 Max has a large 5,200 mAh battery to ensure a long standby time, and knows when to recharge itself without you worrying.



Self-returns to the base station  
before running out of battery



Supports off-peak charging  
to save home energy

The RS20 Max can move flexibly and smoothly around your entire home without getting itself stuck or lost. It can also illuminate dark spaces under furniture or behind cabinets for great cleaning vision.



Pinpoint Threshold  
Crossing\*\*



Drop Sensing

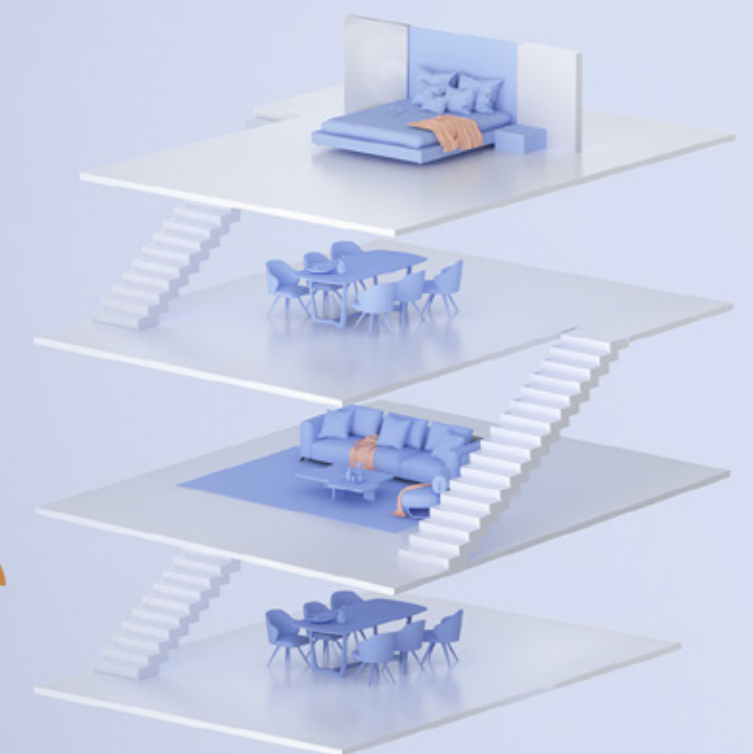


Obstacle Crossing



Smart Night Vision

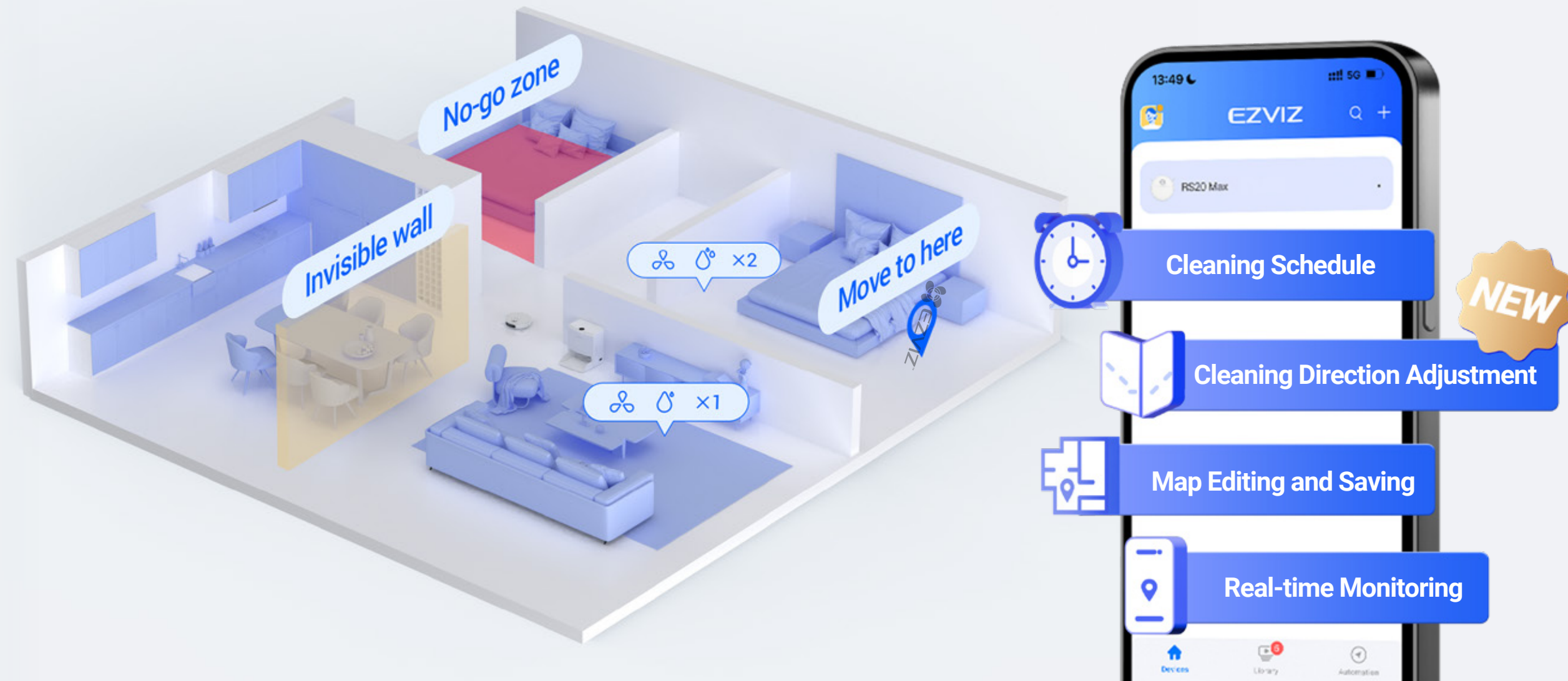
Whole-house  
mapping for up to  
**4 floors**





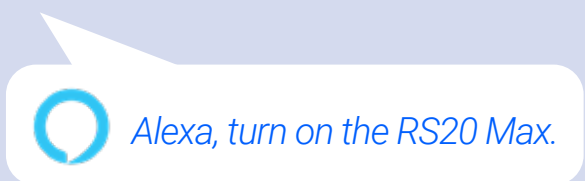
## A tidy home at your fingertips

Greater intelligence comes with greater, easier controls. Schedule or start a mission remotely, or feel free to adjust the robot's status during a task. You can now even freely change the heading direction of your RS20 Max to avoid bumpy areas and gaps.



## Cleverly respond to your voice

Enjoy hands-free control with their third-party assistants. Now, this robot can work with Alexa, Google Assistant, and Siri, so you can connect it to your wider smart home ecosystem and get it to work by simply speaking to it. <sup>++</sup>





# Additional convenience & care

As a multi-purpose smart device, the RS20 Max is equipped with a sharp camera to provide extra peace of mind. You get full control over the detection and recording features, so it only protects wherever and whenever you need it.



Human Shape Detection



Pet Shape Detection



Home Area Patrolling  
(Needs to be manually initiated)



Live Viewing



Recorded Video History



AES-128 Data Encryption



Certified for ETSI EN 303 645  
standard in consumer IoT security



## A cleaner planet, with an EZVIZ Green product

At EZVIZ, we design products with sustainability in mind, building a smart home that’s ready for the future and responsible for the planet. By reducing wastes and helping to plant trees, the EZVIZ robot vacuums not only clean your home, but also your home planet.



Uses recycled materials equivalent to 16 plastic water bottles

Know More



Initiative of the Year

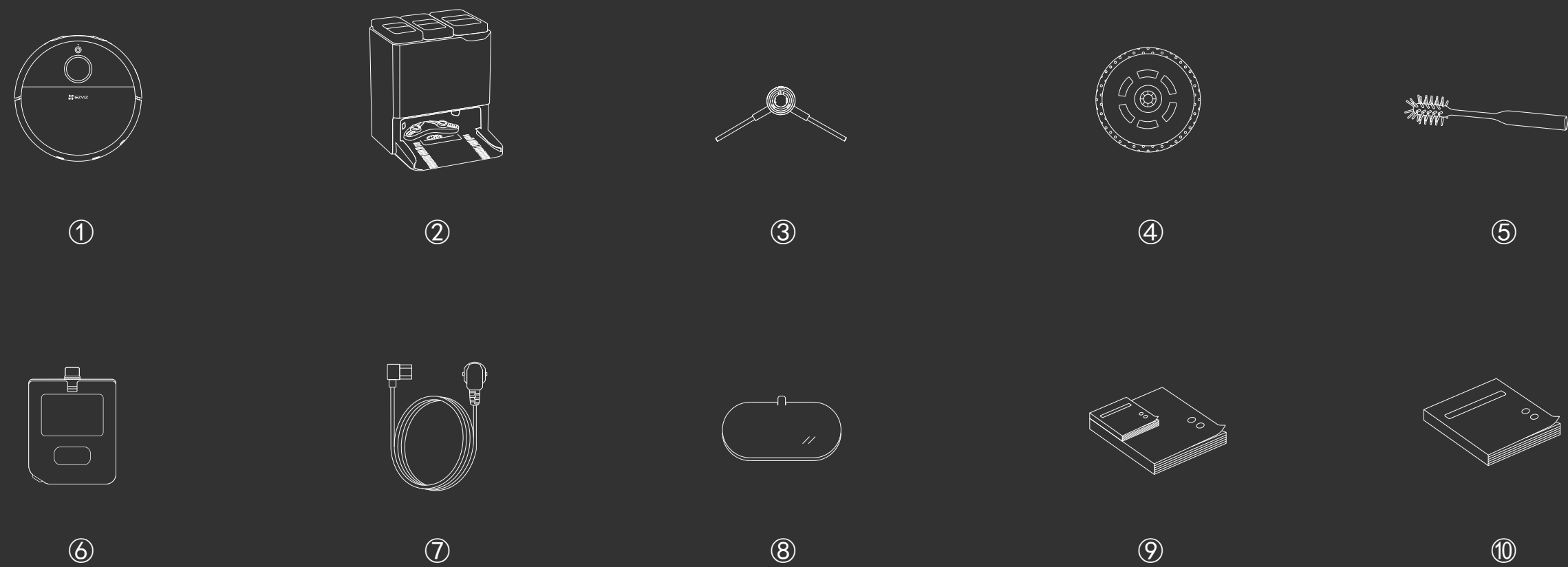


Grows the EZVIZ Global Forest Plan with locally beneficial tree



# In the Box

- ① RS20 Max Robot
- ② Base Station
- ③ Side Brush × 2
- ④ Mop Assembly × 2
- ⑤ Cleaning Tool
- ⑥ Cleaning Solution
- ⑦ Power Cord
- ⑧ Camera Sticker
- ⑨ Quick Start Guide × 2
- ⑩ Regulatory Information



- \* The smart liquid stain detection and smart floor re-mopping features require OTA via the EZVIZ App before using. Please refer to your EZVIZ App on the device page of the RS20 Max for detailed information and needed instruction.
- † Data obtained from EZVIZ Lab’s testing results under standard conditions. Please note that the whole rolling brush operates at a speed of 1,000 rotations per minute, during which its three rubber parts flap the carpet consecutively and continuously to achieve a total of 3,000 beats.
- ‡ Data obtained from EZVIZ Lab’s testing results under standard conditions, when the RS20 Max robot operates in the quiet mode. Actual use may vary due to the level of cleaning power, task modes and other environmental factors.
- \*\* Users can set up thresholds on the map via the EZVIZ App. The robot will automatically increase its power to cross the preset thresholds during cleaning missions.
- †† The referred voice assistant features are enabled via Amazon Alexa or Google Assistant devices. Please note that Amazon Alexa and Google Assistant may not be available in certain languages and countries. RS20 Max can work with Siri under Shortcuts. Users will first need to create a shortcut on their supported iPhone or iPad to customize a task run by the RS20 Max before initiating them via Siri.



# Specifications

CS-RS20-MAX

## Navigation

Navigation & Mapping	LDS LiDAR
Obstacle Avoidance	Laser Obstacle Detection & Avoidance AI Virtual Recognition and Marking (Identify 108+ obstacles)

## Cleaning Features

Cleaning Type	Room, Full, Area		
Cleaning Mode	Vacuum Only	Mop Only	Vacuum before Mop Vacuum while Mop
Cleaning Frequency	1, 2		

## Vacuuming

Maximum Suction Power	13,000 Pa			
Suction Level Adjustment	Quiet	Original	Powerful	Super Power
Main Brush Pressure Boost	Supports			
Particle Identification & Boost Suction Mode	Supports			
Ultrasonic Carpet Detection	Supports			

## Mopping

Water Level Adjustment	Low	Medium	Max
Mopping Type	Dual Spin Mop		
Cleaning Pressure	10 N		
Mop Dimension	113 cm <sup>2</sup>		
Mopping Area	300 m <sup>2</sup>		
Hybrid Dynamic Edge Cleaning	Supports		

## Runtime

Battery Capacity	Li-ion 5200 mAh			
Charging Time	3 h			
Working Time	Silent Mode (Sweep)	Standard Mode (Sweep)	Silent Mode (Sweep & Mop)	Standard Mode (Sweep & Mop)
	220 min	190 min	130 min	110 min

## Smart Features

AI Task Automation	Supports
Smart Liquid Stain Detection	Supports—OTA Upgrade
Smart Floor Re-mopping	Supports (up to 3 times) —OTA Upgrade
In-Progress Task Adjustment	Supports (Temporarily add or skip cleaning task)
Wi-Fi / Smartphone App	Supports (EZVIZ App)
Wi-Fi Frequency Band	2.4 GHz
Voice Control	Google Assistant & Amazon Alexa & Siri (third-party's)
Child Lock	Supports
Camera Max. Resolution	1920 × 1080
Smart Detection	Obstacle Recognition, Room Recognition & Mapping, Carpet Recognition, AI-Powered Human Shape Detection, AI-Powered Pet Detection, AI Task Automation, Smart Liquid Stain Detection(OTA), Smart Floor Re-mopping(OTA)
Supported Languages	Currently supports English (by default), German, French, Italian, Spanish, Portuguese, Polish, Arabic, Turkish, Vietnamese, Thai, Indonesian, Russian, Japanese, Korean, & Chinese, and will support more in the future



# Specifications

CS-RS20-MAX

## Base Station

Rated Power (Charging & mop drying state)	65 W
Rated Power (Dust empty state)	965 W
Rated Power (Cleaning with hot water state)	1265 W
Rated Working Voltage	AC: 220-240V~50/60Hz (EU&KR Standard) AC: 100-127V~50/60Hz (JP Standard)
Rated Output	20 V == 2.5 A
Clean Water Tank Capacity	5 L
Dirty Water Tank Capacity	4.2 L
Dust Bag Capacity	5 L
Auto Hot Water Mop Washing	Supports (60°C)
Auto Mop Installation & Detachment	Supports
Auto Side Brush Lifting	Supports
Auto Clean Water Refilling	Supports
Auto Cleaning Solution Adding	Supports
Low Water Level Alert	Supports
Auto Hot Air Drying	Supports
Interaction	Touch Buttons

## Robot

Robot Rated Power	65 W
Robot Working Voltage	14.4 V
Dust Box Capacity	0.35 L
Water Tank Capacity	0.1 L
Tangle Detection	Supports
Brush Type	3-in-1 CutFree Brush 2.0
Auto Fill light	Supports (With spotlight)
Noise Level	≤65 dB (A) on Standard Mode (Sweep)

## Robot Accessories

Dust Box Filter	E11 Level High Efficiency Filter				
Washable Filter	Supports				
Main Brush Type	Auto-lifting Main Brush				
Main Brush Material	Rubber + Bristle + Hair Cutting Blade				
Side Brush	Left + Right				
Mop Pad	2 Mop Clothes				
Robot Part	Dust Bag	Mop Cloth	Side Brush	Main Brush	High Efficiency Filter
Maintenance Frequency (Week)	-	-	2	1	1
Replacement Frequency (Month)	3-4	2-3	3-6	6-12	3-6



# Specifications

CS-RS20-MAX

## General

Product Dimensions	365 × 365 × 101 mm (Robot)
	452 × 481 × 529 mm (Base Station)
Packaging Dimensions	520 × 538 × 582 mm
Net Weight	4.0 kg (Robot)
	12 kg (Base Station)
Weight with Package	23.36 kg




## In the box

- Robot Vacuum & Mop Cleaner
- Base Station
- Side Brush × 2
- Mop Assembly × 2
- Cleaning Tool
- Cleaning Solution
- Power Cord
- Camera Sticker
- Quick Start Guide × 2
- Regulatory Information

## Certifications

CE-EMC / CE-LVD / CE-RED / ErP / CE-ROHS / REACH SVHC / WEEE / CB / UN38.3

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