



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

Hands-Free 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 m²
per single
charge)



N-in-1 omni-task base station



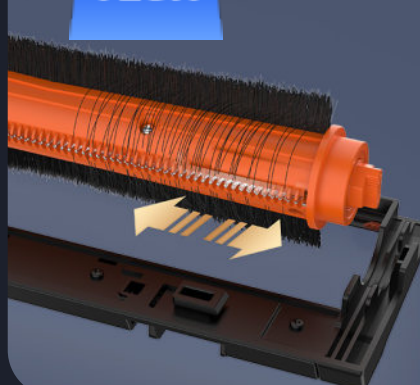
Easy with
Extensive
Automation

Auto mop
installation
& detachment

EZVIZ
TECH



EZVIZ
TECH



3in1
CutFree
Brush

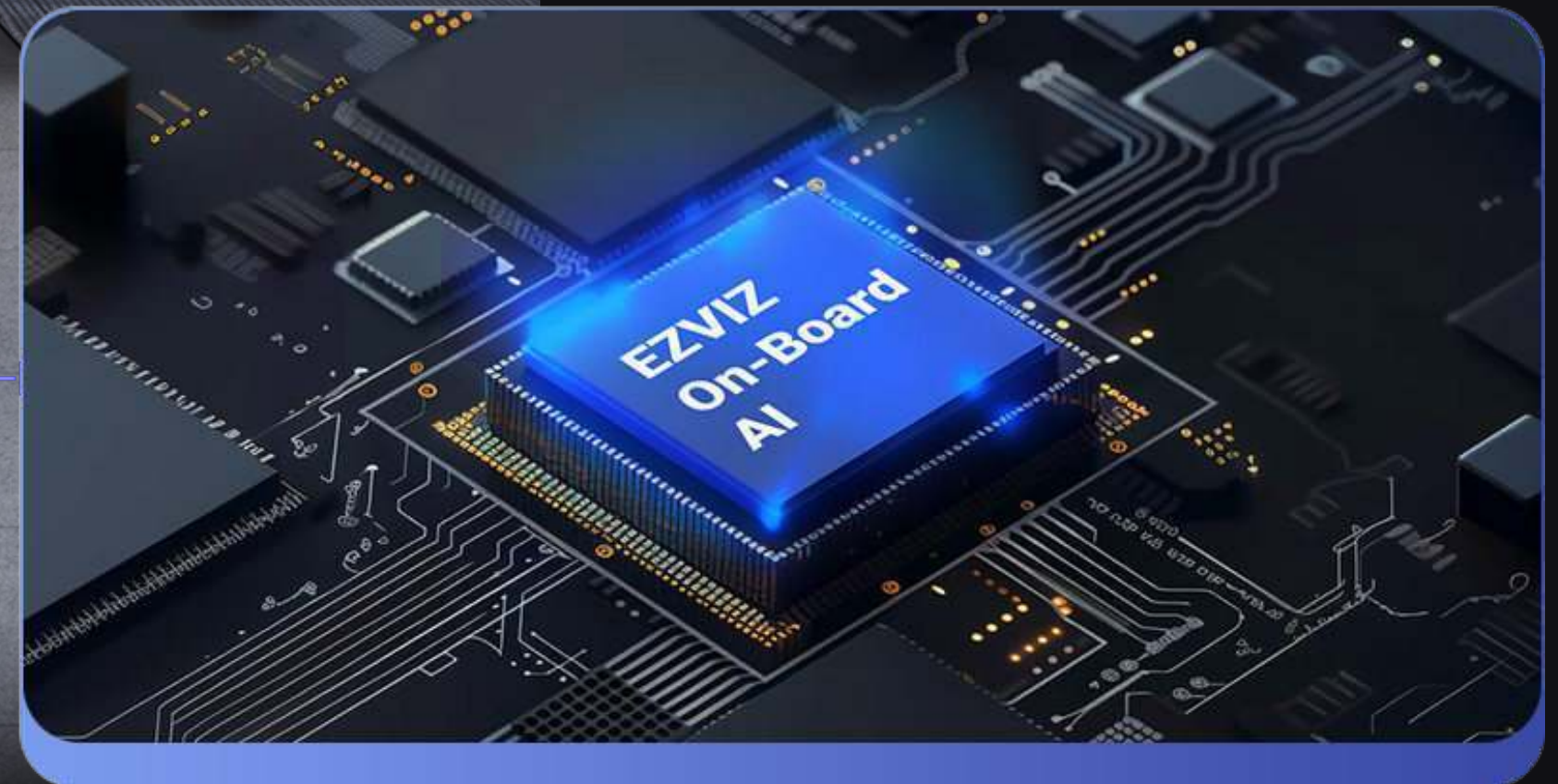
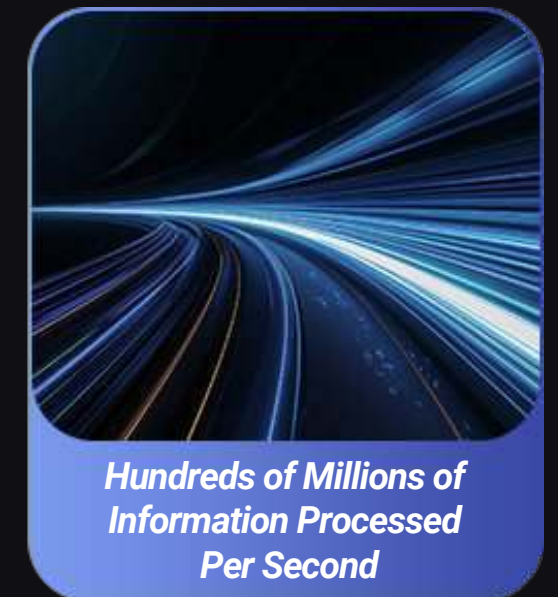
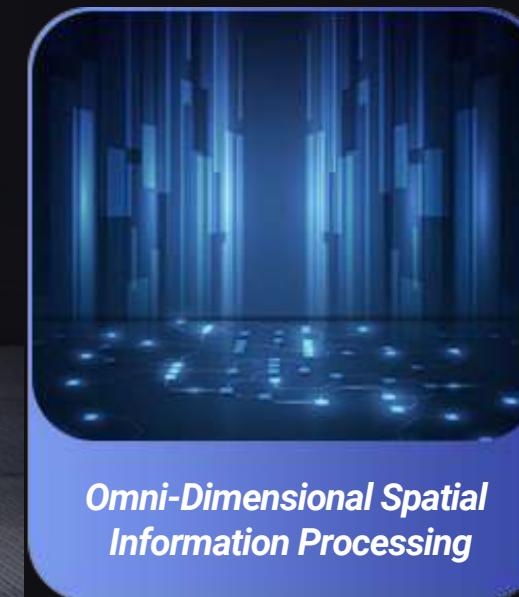
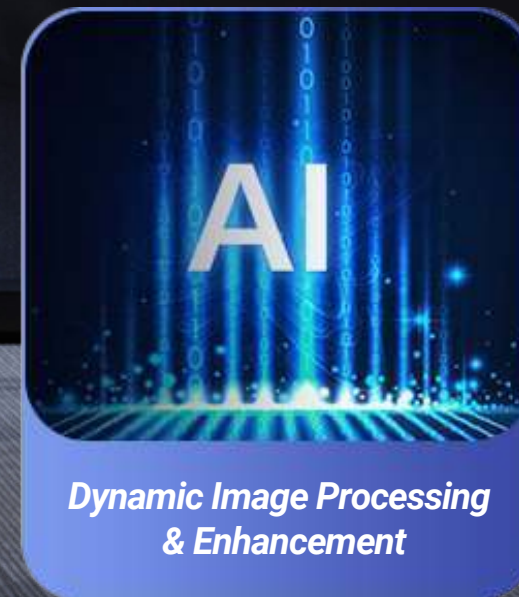
Upgraded
to 2.0

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

+

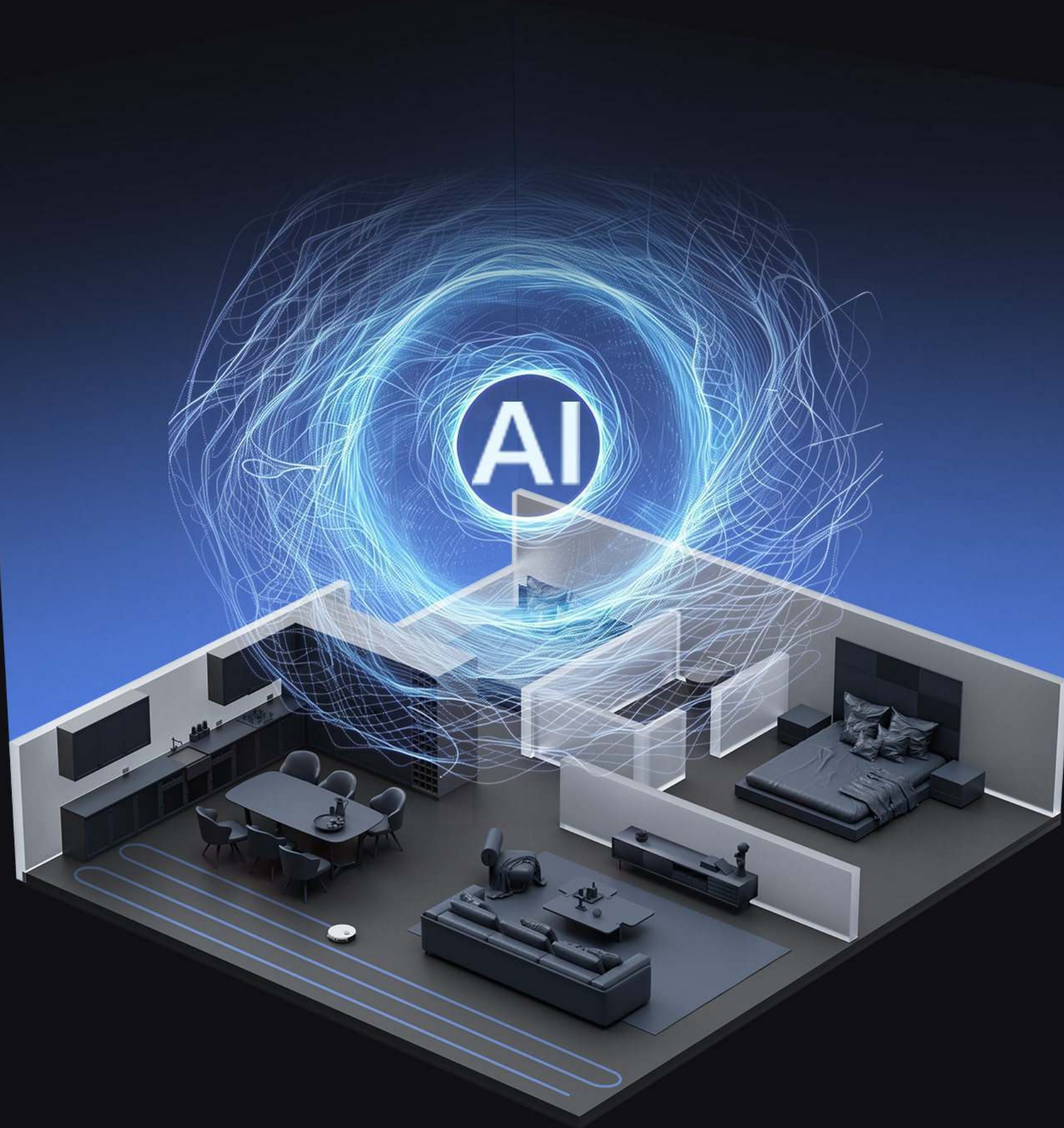
LDS LiDAR

+

Structured Light

108 common objects

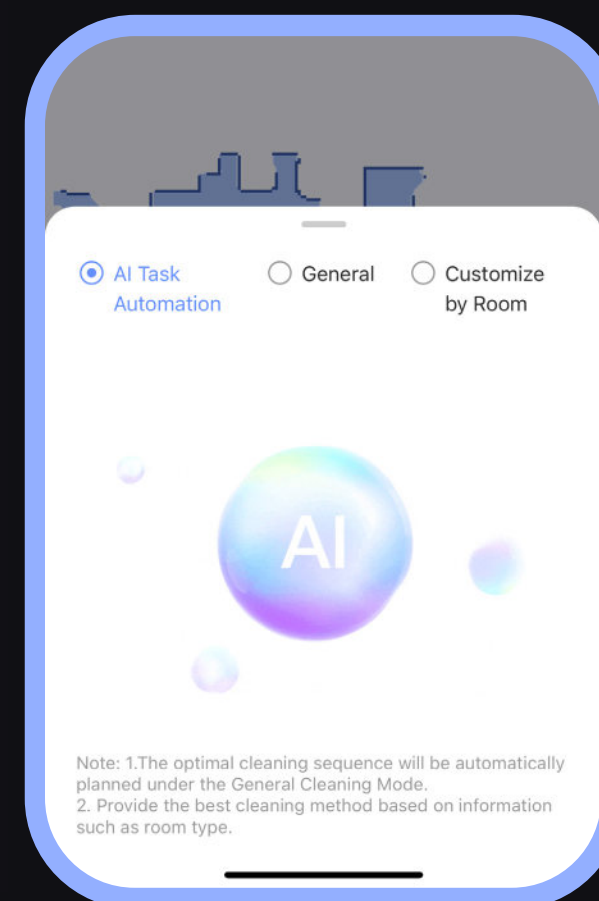




02

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

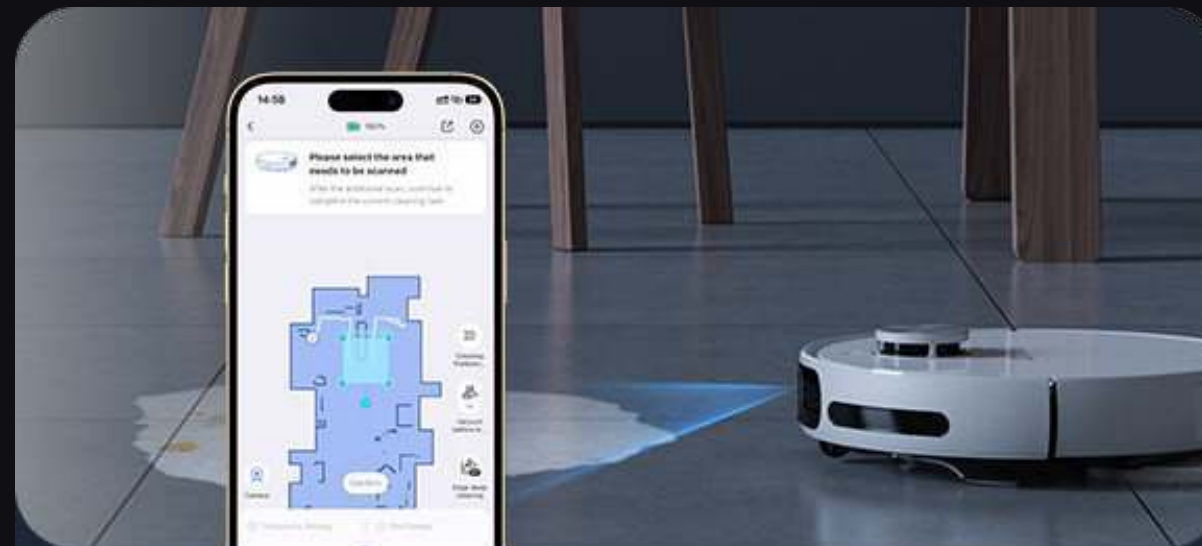
- ✓ Auto-decides cleaning priorities & sequence by room type
- ✓ Self-customizes cleaning modes & intensity for each room/area

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

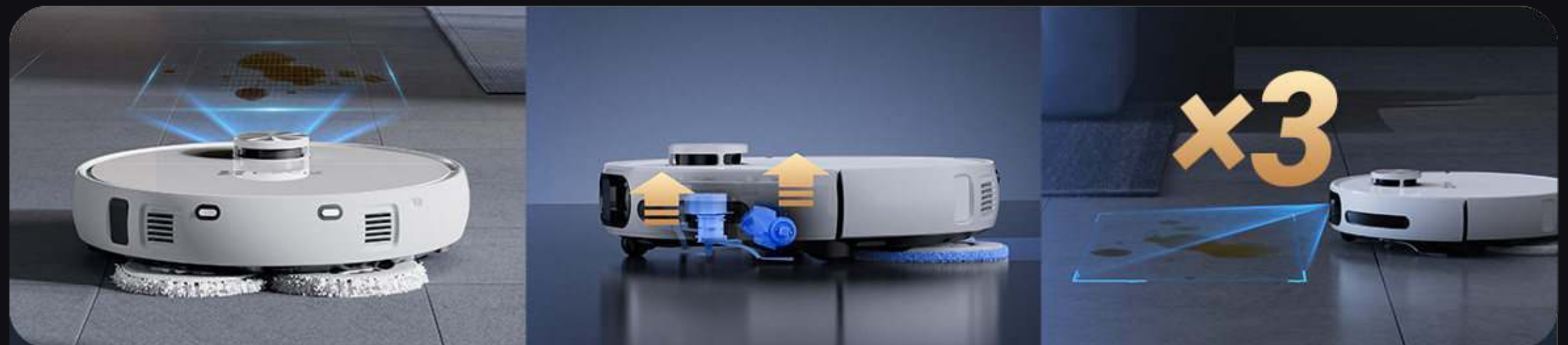


Supports adding or skipping tasks during an on-going mission to tackle on unexpected situations



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^{Pa}
SUCTION POWER



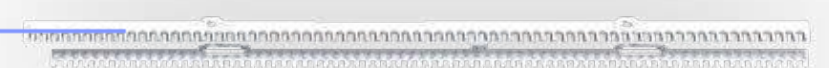
Bristle Brush



Rubber Brush



Blades



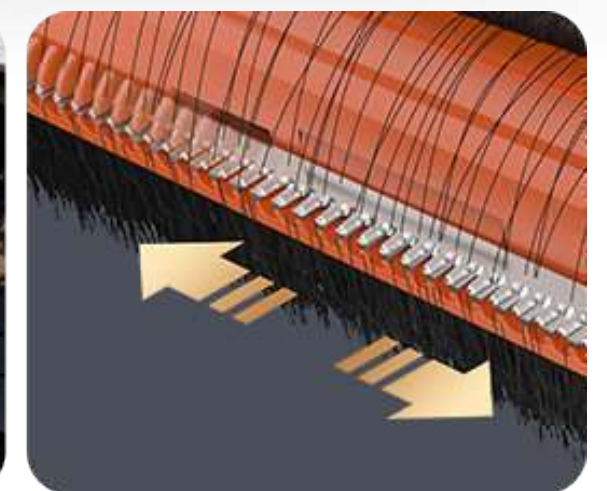
1

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



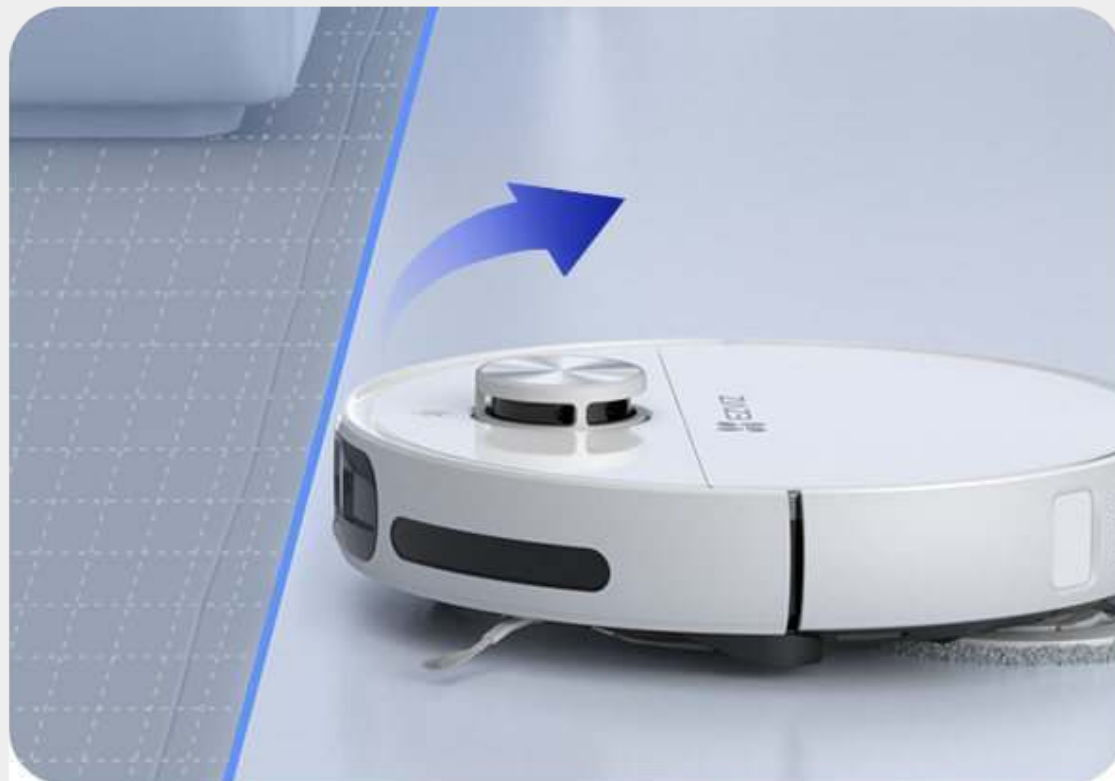
Refreshing

Built-in Clean Water Tank
for Continuous Water Flow

Automatically smart to take care of carpets



Automatically separates hard floors & carpets with different modes

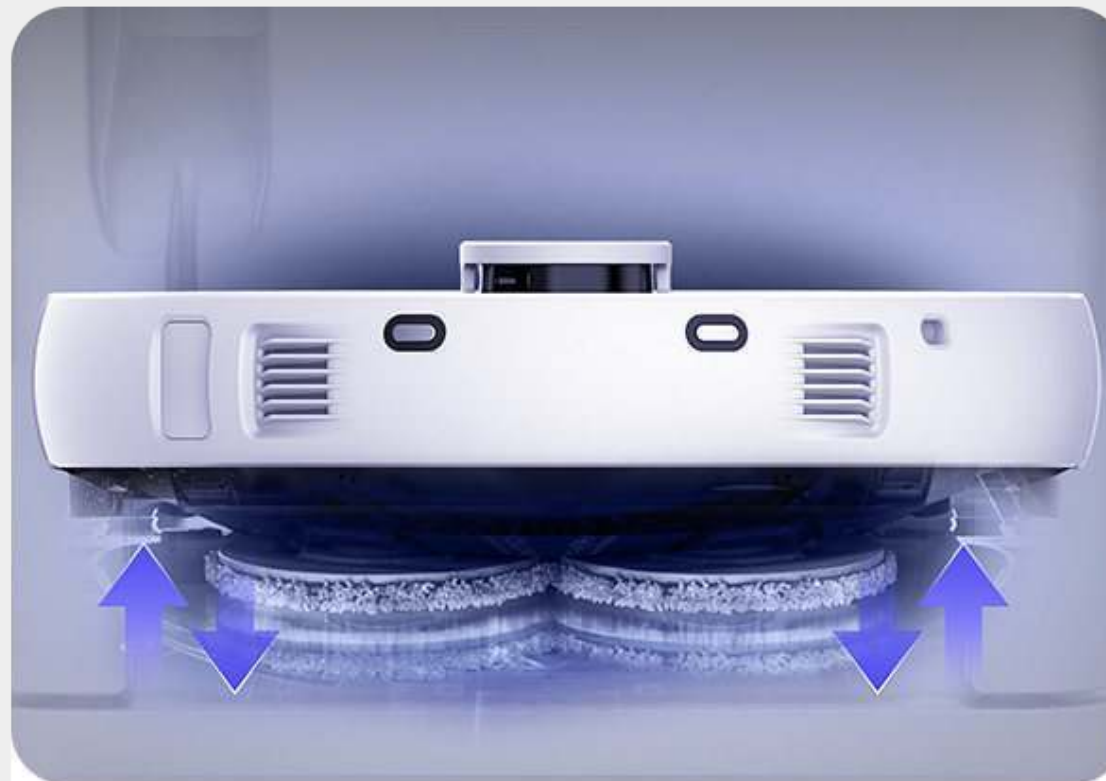


Carpet detection

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



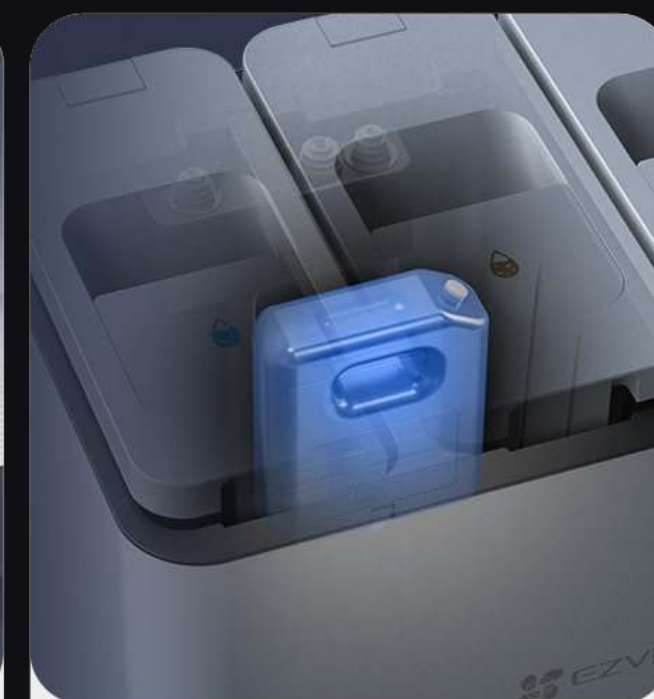
60°C hot water mop washing to flush out dirt automatically



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

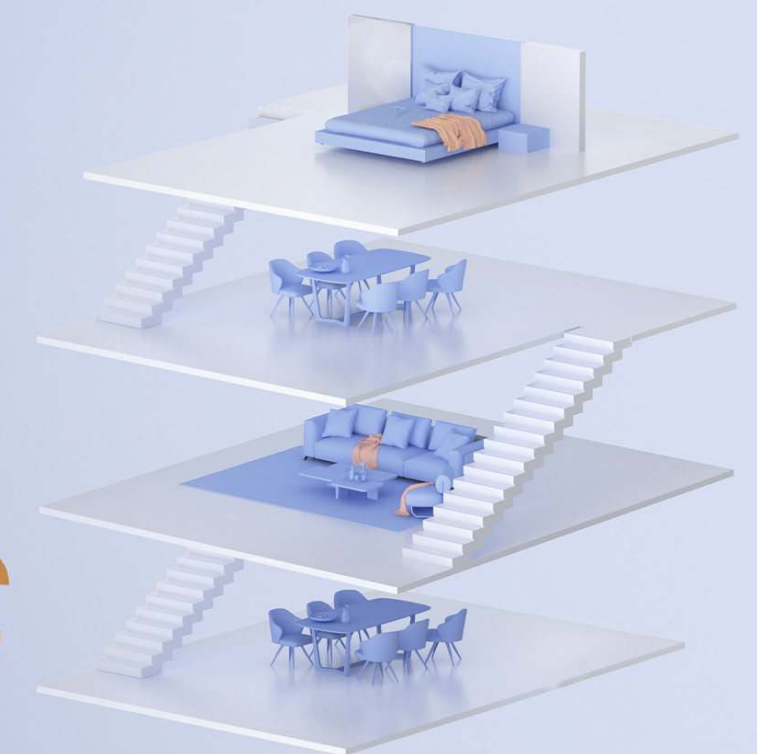


Obstacle Crossing



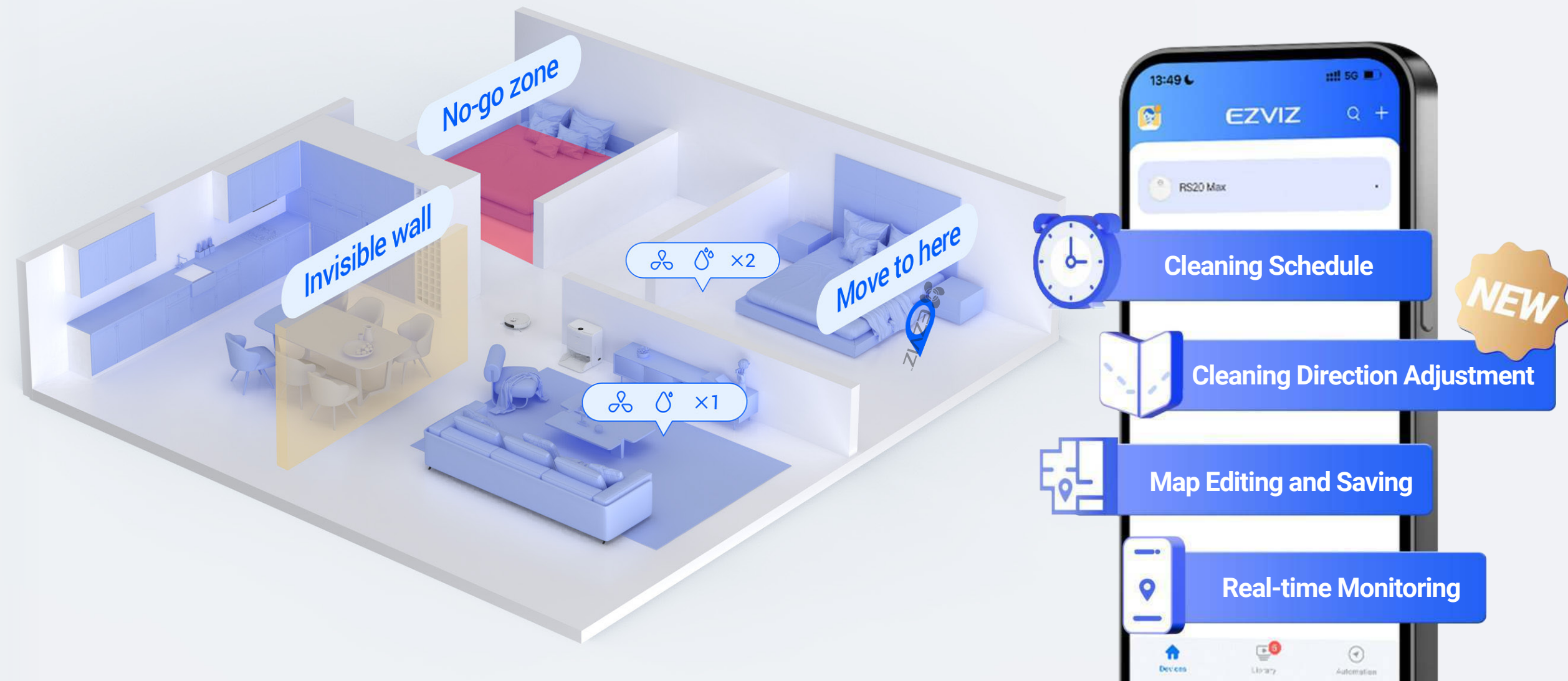
Smart Night Vision

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. ⁺⁺



 Alexa, turn on the RS20 Max.



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



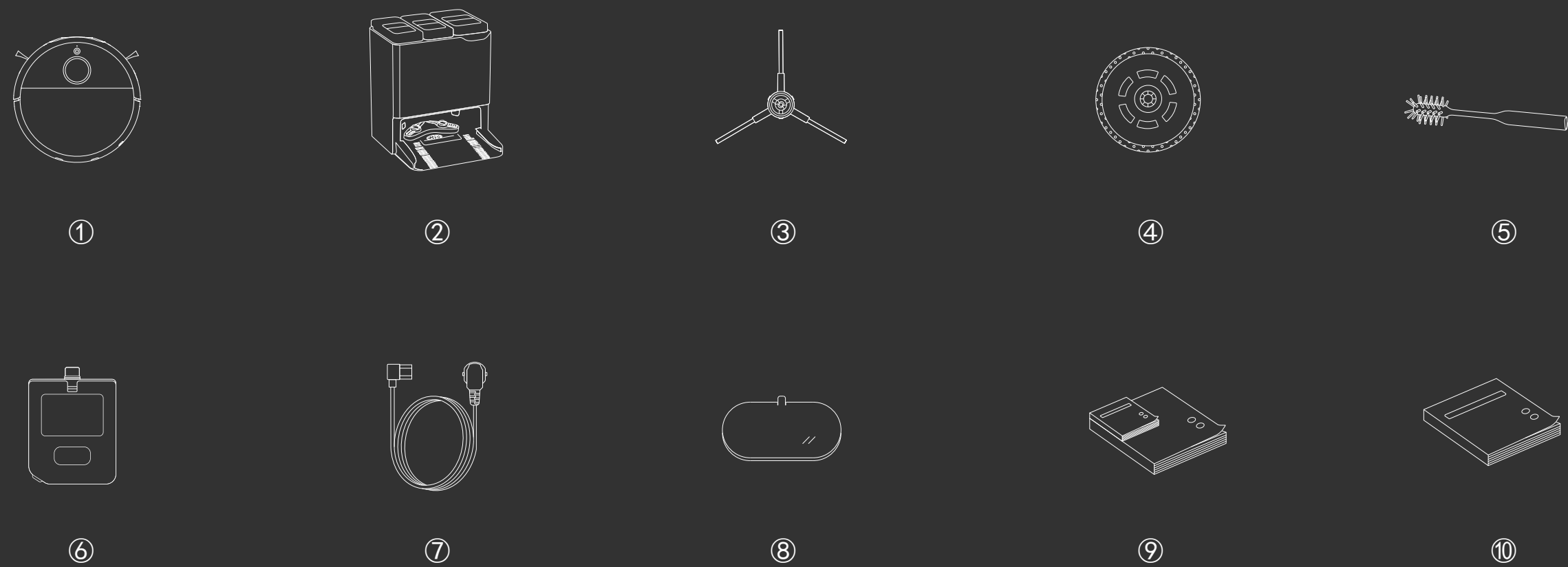
Initiative of the Year



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 Grade	Medium	Max
Mopping Type	Dual Spin Mop		
Cleaning Pressure	10 N		
Mop Dimension	113 cm ²		
Mopping Area	300 m ²		
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
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 Refilling	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
3-in-1 Proactive Hair Cutting	Supports
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
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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