



# AITO 7

## Product Brochure

Intelligent Large-size Comfort SUV



\* The images are for reference only, please refer to the actual vehicle.

# Pure Design

Exterior Design

Color Combo

Body Size



\* The images are for reference only, please refer to the actual vehicle for the final design.

# Pure Design

Exterior Design



Sunrise LED Headlights

Horizon LED Taillights



# Pure Design

Sunrise LED Headlights



Sunrise LED Headlights are like the rising sun, showing the calmness of the front-end design

Unique design  
Multiple functions integrated  
Good lighting effect



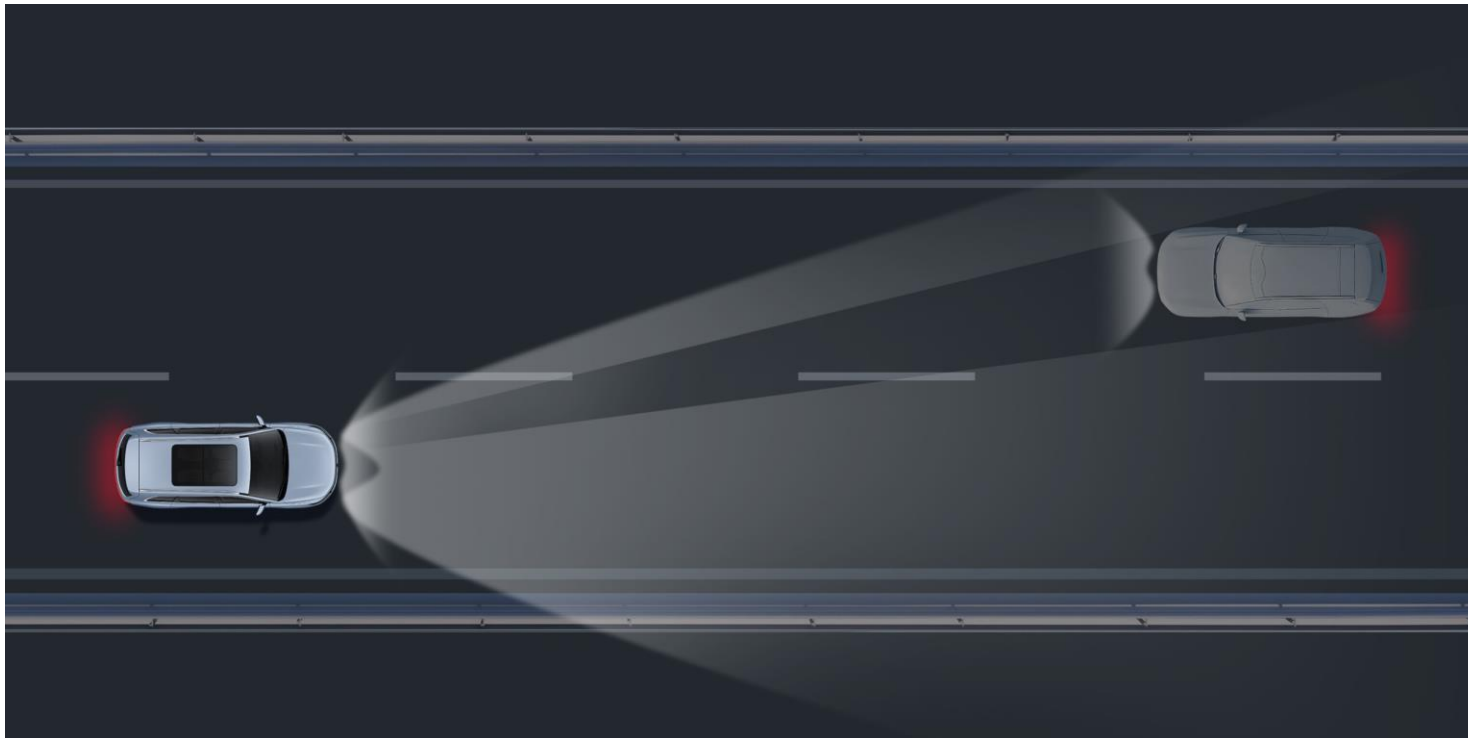
**One sentence  
Highlights**

Sunrise LED Headlights are not only robust in design, but also functional and safe to drive

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# Pure Design

Sunrise LED Headlights



## Adaptive High Beam Assist (HMA)

IHB is a headlamp control function that uses driver assistance sensors in the front windshield to detect the taillights of vehicles ahead, the headlights of oncoming vehicles and streetlights, and automatically switches the high beam on and off; when the driving environment is dark and there are no vehicles or streetlights ahead, the function automatically switches the high beam on and, in the opposite situation, switches the low beam on.

**Activation speed:** over 20km/h

### Activation conditions:

Ambient brightness, turn signals not activated

### One sentence Highlights

Automatic switching of high and low beams according to the environment, for your safety and the safety of other vehicles

# Pure Design

## Horizon LED Taillights



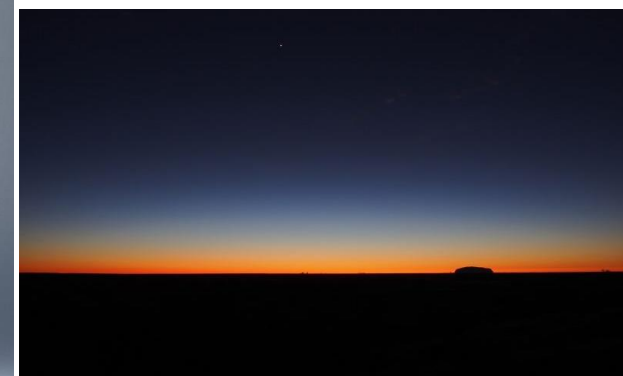
The taillight design echoes that of the front, showing a steady character between sunrise and sunset

Soft lighting for nighttime recognition

Designed to echo back to front

Eye-catching design

Improved safety with a wider range of illumination



### One sentence Highlights

While the design gives a sense of stability, the penetrating taillights make the vehicle more eye-catching when driving at night, enhancing safety

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# Pure Design

Color Combo



## 5 exterior colors to choose

● Comet Blue



● Glacial Blue



● Space Grey



● Midnight Black



● Sliver Frost



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# Pure Design

Color Combo



\* The interior color options may vary depending on the region and version. Please refer to the actual sales at the store for final confirmation.

## One sentence Highlights

AITO 7 offers a wide range of interior and exterior color combinations to meet the needs of different people

# Pure Design

Body size



AITO 7



1945mm

Track front: 1635mm



1760mm

2820mm

5020mm

Track rear: 1650mm

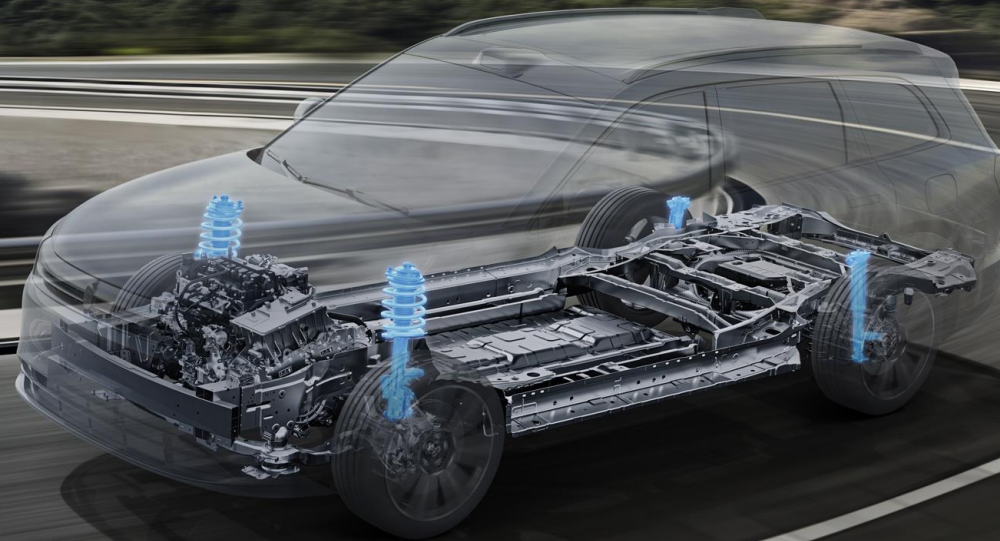
Ground clearance: 150mm(laden) – 180(unladen)

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# Comfortable Ride

Intelligent Range Extender

Comfortable Chassis



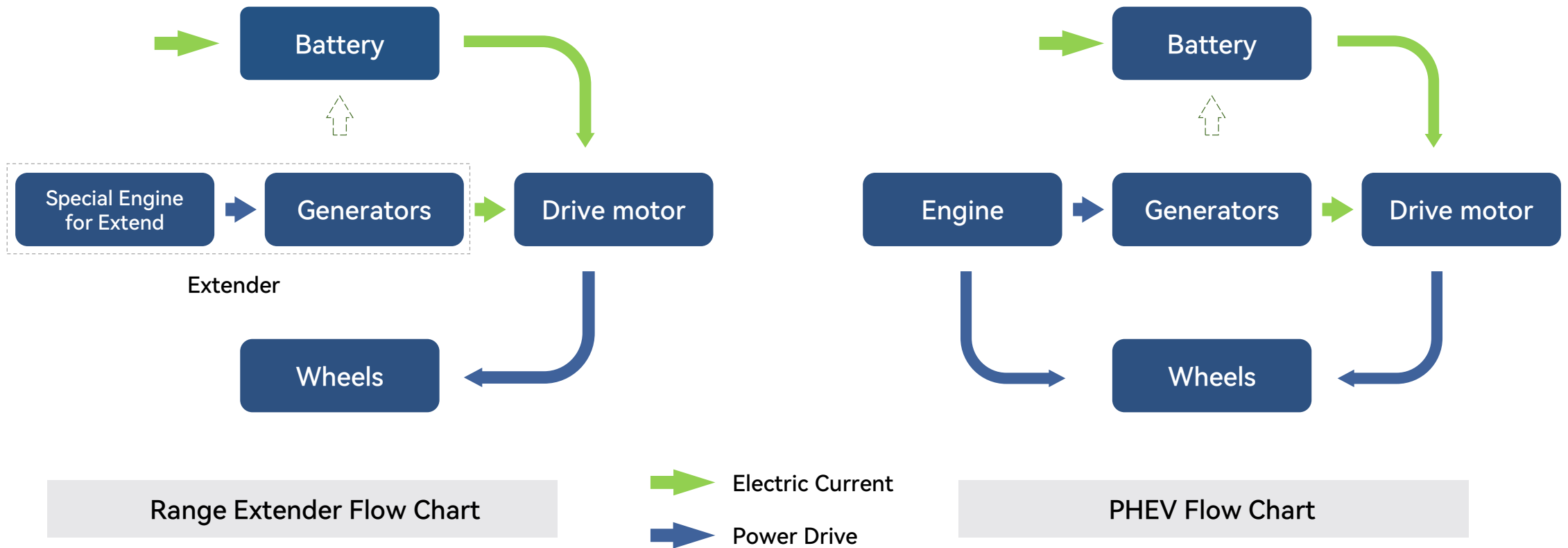
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# Comfortable Ride

Intelligent Range Extender



Range Extender Platform v.s. PHEV - Energy Flow Chart



# Comfortable Ride

Intelligent Range Extender



**3.44kWh/L: the highest fuel-to-electricity conversion efficiency in the industry**



## 1150km WLTP

With a full tank of fuel and a full charge, the vehicle offers a total range of over 1150 km WLTP.

## 95% high-efficiency overlap rate

between the range extender and generator

## 15:1

Industry's first mass-produced 15:1 high compression ratio engine

## 3.44kWh·/L

fuel-to-electricity conversion efficiency

## 41% ultra-high thermal efficiency

Highest in class 41% thermal efficiency

## 75kW

Maximum generation power

## 42 kWh NCM battery + 60L fuel tank

High pressure fuel tank suitable for body weight, structure, economy and endurance requirements

### One sentence Highlights

Offers a high fuel-to-electricity conversion efficiency, providing users with super longer driving range and reduced fuel consumption, leading to cost savings and a more worry-free driving experience.

# Comfortable Ride

Intelligent Dual-motor AWD



## Front PMSM

Permanent Magnet Synchronous Motor

Power: 130kW  
Torque: 300N·m



## Rear PMSM

Permanent Magnet Synchronous Motor

Power: 200kW  
Torque: 360N·m



**Dual-motor AWD:** 330kW power, 660N·m torque, 0-100 km/h in 4.8s

### One sentence Highlights

Powerful ride and stability achieved through the more efficient and rational combination of front-and-rear permanent magnet synchronous motors, enhancing performance and driving experience.

# Comfortable Ride

Intelligent Range Extender



**RE+EV =**



+



+



(Range Extended  
Electric Vehicle)

Electric Drive  
Smooth Acceleration  
Quietness and Comfort

42kWh Battery  
Up to 200km Range

Can generate >200kWh  
Extending >900km Range

Refueling in 5 minutes  
Just like a gasoline car

## One sentence Highlights

With the range extender, our fuel tank can be transformed into a large battery capable of up to 200 kWh (like a “power bank”). In just 5 minutes, it fills up with fuel, providing an additional 900km of range, leaving us worry-free.

# Comfortable Ride

Intelligent Range Extender



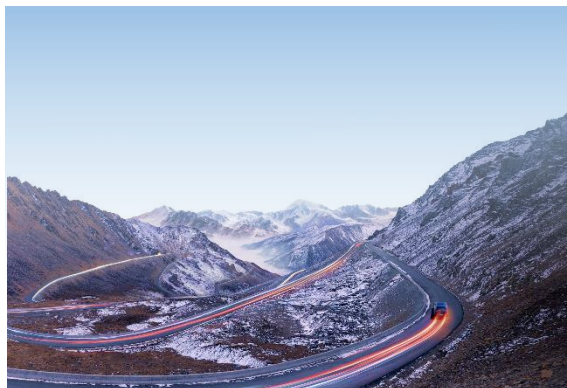
## All-scenario Coverage



### Electric in the crowded city with fuel for long trips

Electric in the city, with fuel for long trips. Customer can switch between electric and fuel solutions, without worry about finding a charging spot.

## Energy Efficiency



### Energy efficiency, double the performance, half the consumption

Double the performance, half the consumption. Based on a 1.5T engine, AITO 7 can reach the performance of a traditional 3.0T fuel vehicle.

## User Experience



### Experience of an all-electric car with no range anxiety

Not only keeps the cabin quiet, but also offers smooth acceleration and quick response like pure electric cars. Additionally, with features like V2L external discharge, it helps users extend their daily lives.

## Intelligent Control System



### Intelligent control system understands your needs

Intelligent range extender system can learn user's driving habits, charging options and road conditions, to optimize the energy consumption strategy.

## One sentence Highlights

The range extender system provides all-scenario coverage, enhancing energy efficiency and offering a good user experience, while intelligent control optimizes energy strategy, extending driving range and reducing range anxiety.

# Comfortable Ride

AITO MF Platform



## AITO MF Platform

### Intelligent Safety

Industry-first intelligent safety system

### Versatile Space

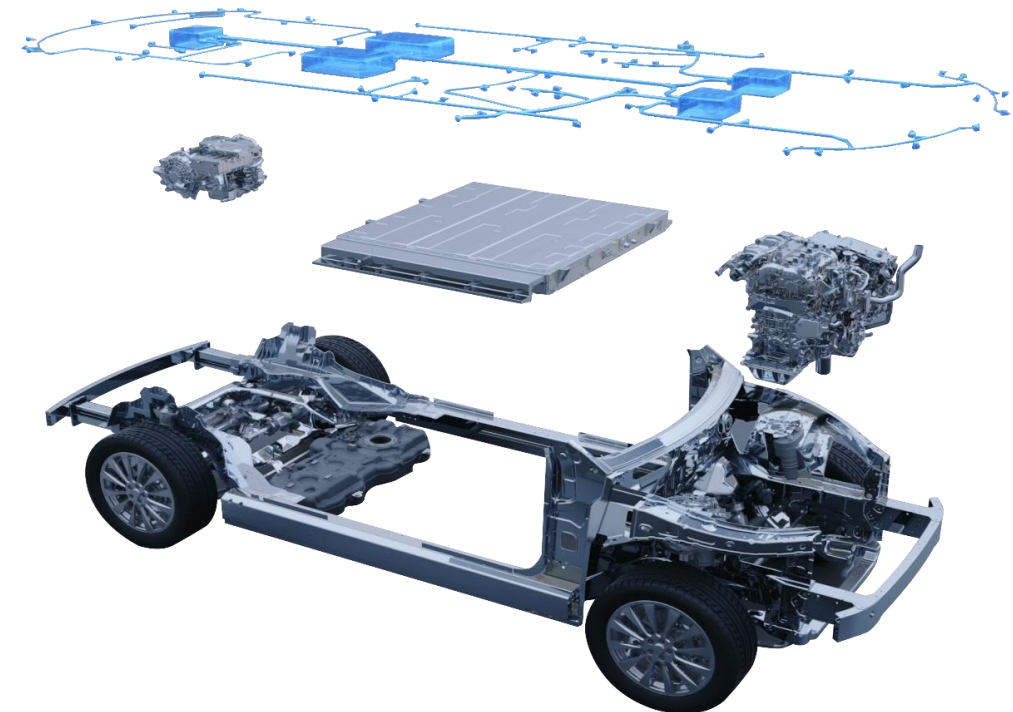
Full-size and all-model expansion

### Diverse Powertrain

The only solution in the industry compatible with three types of new energy powertrains: super range extender, pure electric, and super hybrid.

### Leading Intelligence

Central computing architecture achieves 100% SOA for the first time



### One sentence Highlights

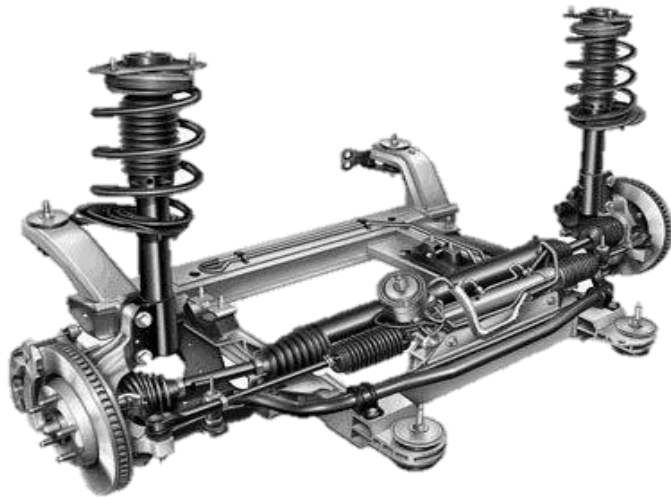
With twenty years of experience in vehicle development, AITO has independently developed a super-intelligent platform that is versatile and continuously evolving.

# Comfortable Ride

Enhanced MacPherson Front Suspension



## Enhanced MacPherson front suspension



### Structural features:

The MacPherson front suspension is known for its reliable structure, compact design, and quick response. This efficient setup optimizes cabin space and weight, contributing to improved handling and stability in various vehicles. Additionally, it has been tuned by UK-based Bora, with enhancements made to the bushings, stabilizer bar, and spring stiffness for better performance.

**Applicable models:** family-oriented cars with large space requirements

### One sentence Highlights

The MacPherson strut suspension offers excellent handling and efficient use of space, making it an ideal choice for many family cars and compact vehicles.

# Comfortable Ride

Aluminum Alloy H-arm Multi-link Independent Rear Suspension



## Aluminum alloy H-arm multi-link independent rear suspension



### Structural features:

The all-aluminum H-arm multi-link rear suspension features good comfort, effective vibration damping, relatively easy tuning, spacious design, and high cost. Its multi-link setup offers excellent handling and ride quality while minimizing weight through aluminum construction.

**Applicable models:** high-performance sedans, luxury cars, and sports SUVs

### One sentence Highlights

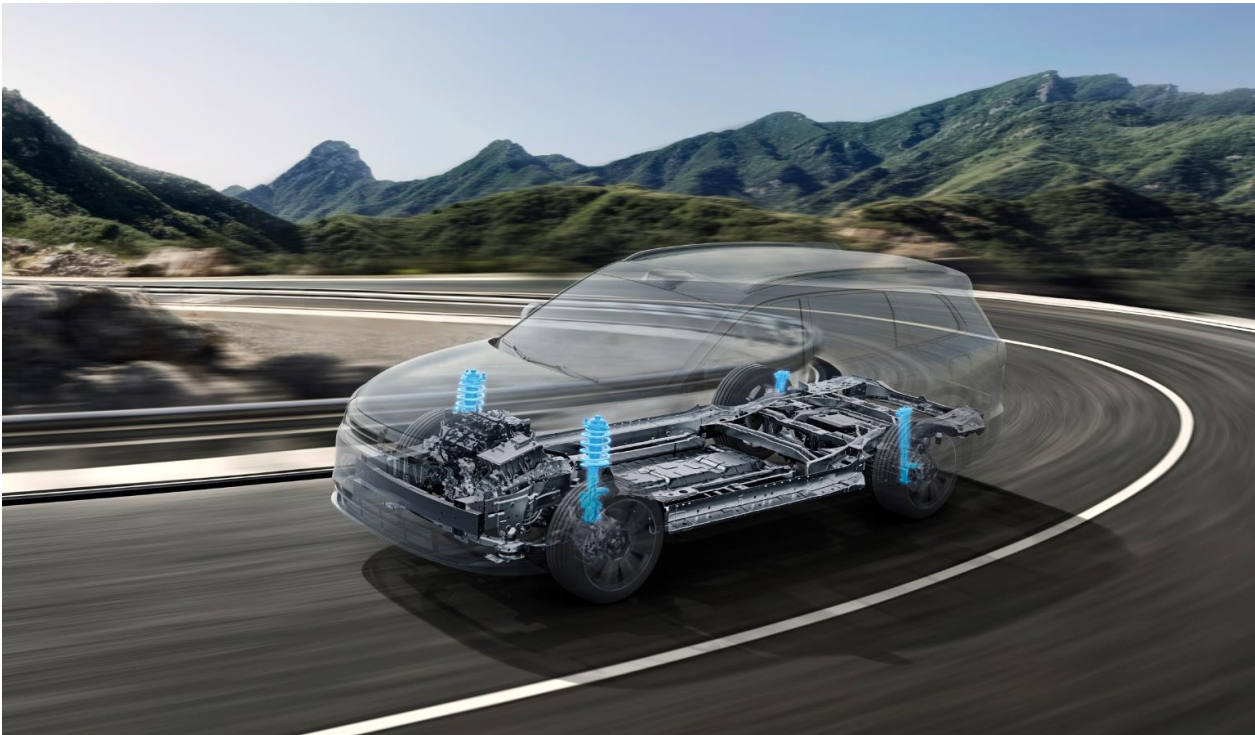
This suspension system ensures excellent handling and maintains a stable body posture at high speeds, striking a perfect balance between comfort and vehicle control, making it a favored choice in the configurations of mainstream luxury brands.

# Comfortable Ride

Intelligent Road Preview and CDC Synergy



## Intelligent road preview and CDC synergy



**Road preview:** scans the road surface via cameras and LiDAR and adjusts the vehicle suspension in real time to reduce longitudinal bumps

**CDC:** commonly known as Continuous Damping Control system, is an advanced technology in automotive systems. It continuously adjusts the damping force in real time based on road and driving conditions, delivering a smoother ride and enhanced handling performance.

### One sentence Highlights

The synergy allows for proactive adaptations to changing road conditions, leading to superior vehicle handling and passenger comfort. It not only enhances driving stability but also significantly improves overall safety by enabling the vehicle to respond effectively to potential challenges on the road.

# Comfortable Ride

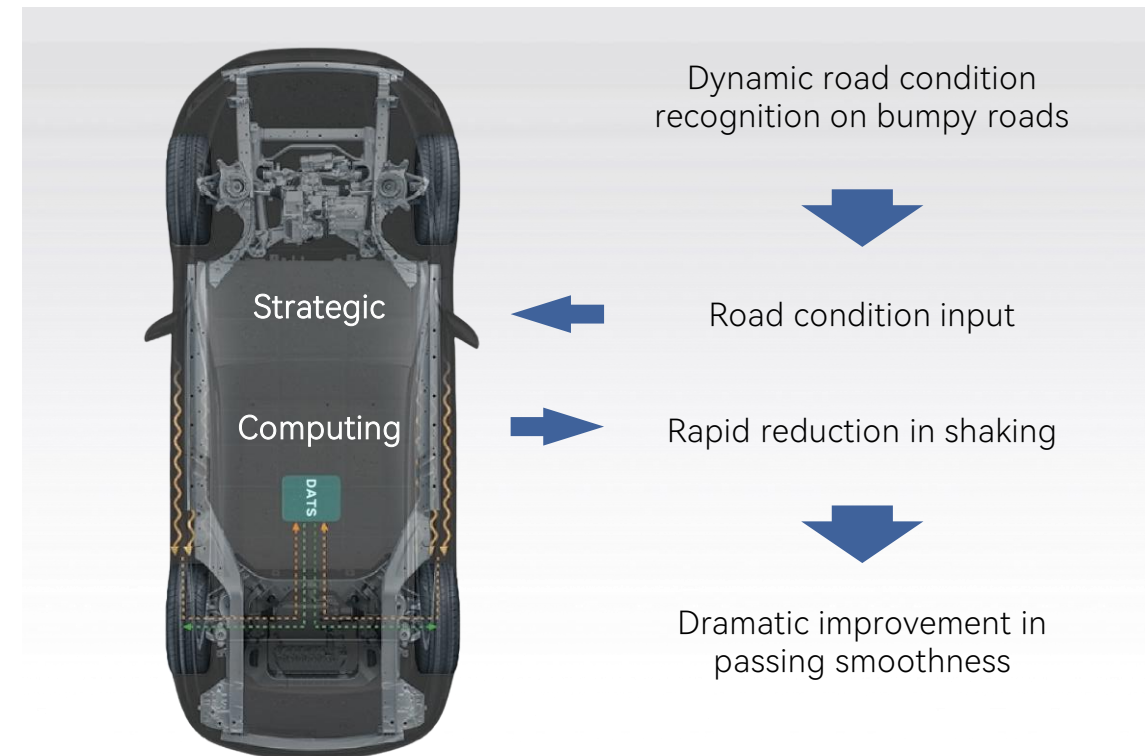
Intelligent torque system



## Intelligent torque system

By coordinating the vehicle domain controller, motor controller, chassis controller, and underlying software, the Dynamic Adaptive Torque System can reduce energy consumption and enhance driving experience.

The system ensures smooth acceleration and deceleration with easy control while effectively minimizing power fluctuations for energy savings. Additionally, the fast torque adjustment method based on multi-parameter sensing improves motor response speed, enhancing the smoothness of the vehicle's ride.



### One sentence Highlights

Intelligent torque adjustment effectively reduces bumps and impacts. When cornering or driving on slippery roads, the vehicle becomes more stable, providing a more comfortable ride.

# Comfortable Ride

Wheel Design with Excellent Braking Distance



20" dual-arm 7-spoke  
wheel (255/50 R20)



21" dual-arm 10-spoke  
wheel (265/45 R21)



## One sentence Highlights

The elegant and sophisticated wheel design exudes luxury, while the shortest 100-0km/h braking distance of 34.2m ensures enhanced safety. These features provide both a premium aesthetic and reliable performance for a secure driving experience.

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# Flexible Large Space

Versatile Space  
Family Comfort



\* The images are for reference only, please refer to the actual vehicle for the final design.

# Flexible Large Space

Versatile Space



## Best-in-class Interior Space



### One sentence Highlights

Provide customers with an exceptional in-car experience, offering generous seating space that accommodates passengers of various heights, ensuring a comfortable ride even beyond some full-size SUVs. The second-row seating is designed to maximize comfort, ensuring optimal protection for passengers, while also offering ample space for loading larger items, enhancing convenience for customers.

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design.

# Flexible Large Space

Versatile Space: Front passenger seat reclines flat



## Single Time

2.8m inflatable boat

3 x 50L storage boxes



\*Data is sourced from the testing center of SERES Group Co., Ltd.

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# Flexible Large Space

Versatile Space: Rear seats folded



## Lover's World

2 x 20" bicycles

2 x 30" surfboards

other sports gears



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# Flexible Large Space

Versatile Space: Rear right seat folded



## Family Time

2.1m inflatable board

30" suitcase

beach essentials



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# Flexible Large Space

Versatile Space



## And More...

suitcases

travel bags

camping & picnics






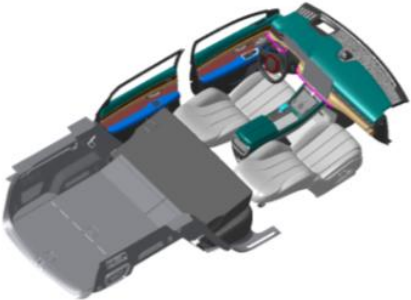
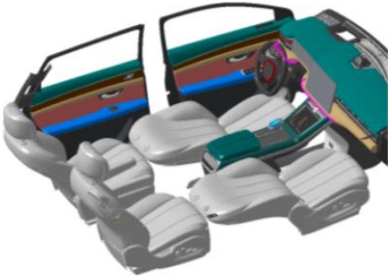
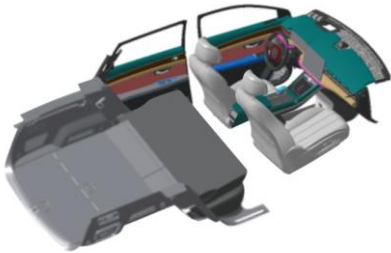
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# Flexible Large Space

Versatile Scenarios



Seats Folding Use Scenarios			
Scenario	Outdoor Camping   Stargazing	In-car Movies   Sightseeing	Long Journey   Nap
Mode	With front seats fold flat backward and rear seats fold forward	With front seats fold flat backward	With rear seats fold forward
			
			

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# Flexible Large Space

## Storage Spaces



### 686L - 1619L cargo capacity with a 52L hidden compartment (5 seater version)

- With the second-row seats folded down and connected to the trunk, the maximum load length reaches 2051 mm, creating up to 1619 liters of cargo space. This is equivalent to fitting 30 20-inch suitcases.



- The 6 seater version has a trunk capacity of 188L, which can be expanded to 775L when the 3<sup>rd</sup> row seats are folded down.
- The hidden compartment in the trunk can be used to store fragile, crush-resistant items, valuables or light-resistant daily necessities
- The hollow storage design beneath the center console enhances storage space for both the driver and passenger, making it more convenient for easy access and quick storage.

### One sentence Highlights

The ultra-spacious trunk and clever hidden storage design provide users with exceptional convenience, allowing for better organization and the ability to carry more items while maintaining a clean, clutter-free interior.

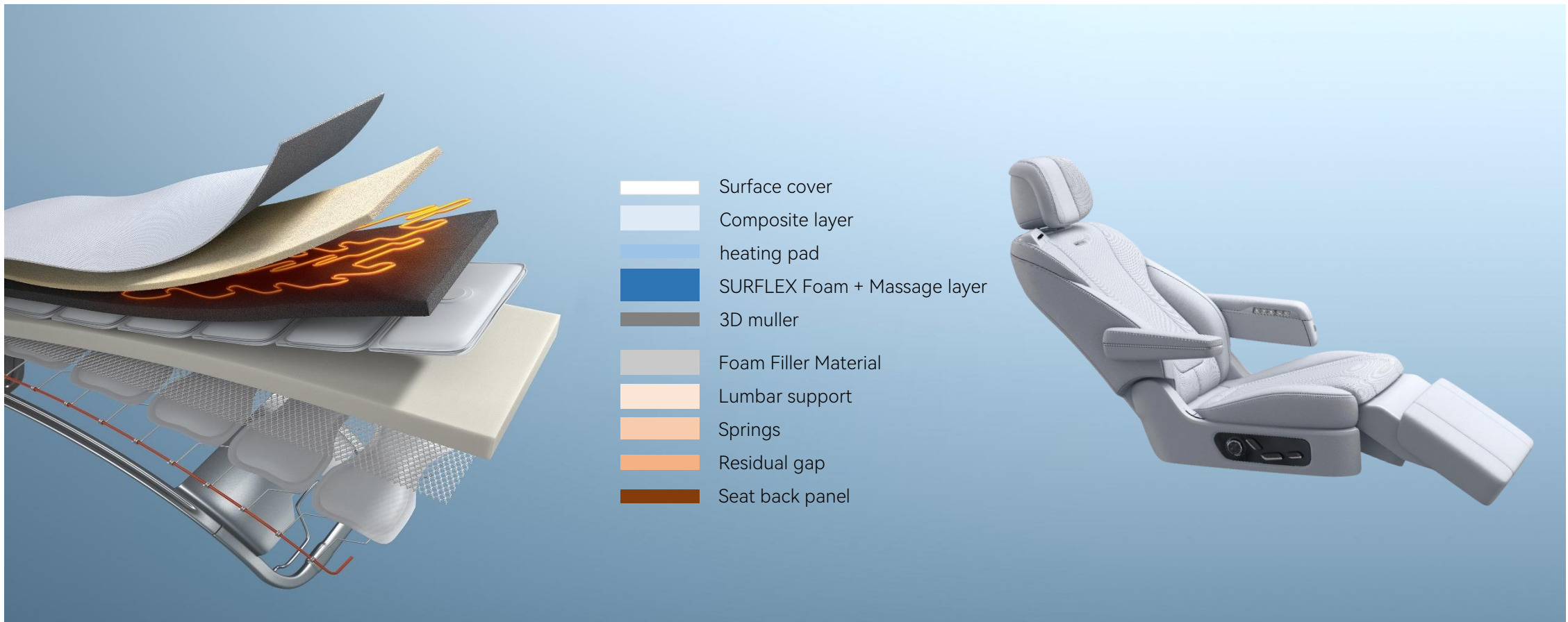
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# Flexible Large Space

Ultimate Comfortable Seats



## 10-layer stacked sofa cushions, 100mm thick



# Flexible Large Space

Ultimate Comfortable Seats



## 3D Muller + SURFLEX foam

offer enhanced comfort, breathability, and support, improving the overall durability and performance of seat materials

### 3D Muller

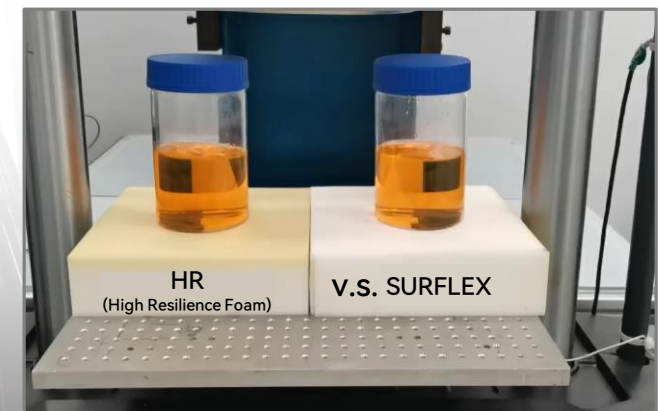
1. Through the use of **3D mesh** (a three-layer structure with varying densities) and **intelligent channel design**, the seat maintains high breathability and stability under pressure, ensuring optimal ventilation for the seat.
2. Premium, eco-friendly materials and design provide uniform pressure distribution and are ergonomically shaped to match the natural curve of the body, offering excellent support and comfort for extended periods of sitting.
3. High durability: The seat is designed to maintain its performance and comfort even after long-term use.



### SURFLEX comfort foams (30mm)

SURFLEX utilizes a combination of foam layers with varying densities and functions. Each layer is optimized for support, comfort, and breathability. It helps distribute pressure evenly while maintaining long-lasting elasticity and shape, preventing collapse or deformation over time.

The filling materials used in SURFLEX meet environmental standards and are made from non-toxic, sustainable materials.



# 6 Seater Version: Flexible Large Space

Ultimate Comfortable Seats



## Zero Gravity Seat

### Front row:

- 12-way electric adjustment
- Seat memory (Driver)

### Second row:

- Zero gravity seat (right side) with 424mm 4-way adjustable leg rest
- Left side 8-way electric adjustment

### Third row:

- Backrest electric adjustment



### One sentence Highlights

The rich seat adjustments, along with ventilation, heating, and massage functions, provide the most comfortable experience for every seat, ensuring worry-free long journeys and a strong sense of luxury.

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design.

# 6 Seater Version: Flexible Large Space

Ultimate Comfortable Seats



## Zero Gravity Seat

- 113° seat angle
- 424mm 4-way adjustable leg rest
- Suspension lift mechanism
- One-touch operation
- Dual sliding rail design
- 8-point massage
- Heating
- Ventilation



### One sentence Highlights

The zero-gravity seats reduce pressure on the body, promoting better circulation and minimizing fatigue, offering a more relaxed and comfortable ride, especially on long journeys.

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design.

# 5 Seater Version: Flexible Large Space

Ultimate Comfortable Seats



The ultimate comfort seats are feature-rich and guarantee a comfortable ride

## Front row:

- 12-way electric adjustment
- Seat memory (Driver)

## Rear row:

- 27°-37° backrest adjustment
- 60/40 foldable rear seats



## One sentence Highlights

The rich seat adjustments, along with ventilation, heating, and massage functions, provide the most comfortable experience for every seat, ensuring worry-free long journeys and a strong sense of luxury.

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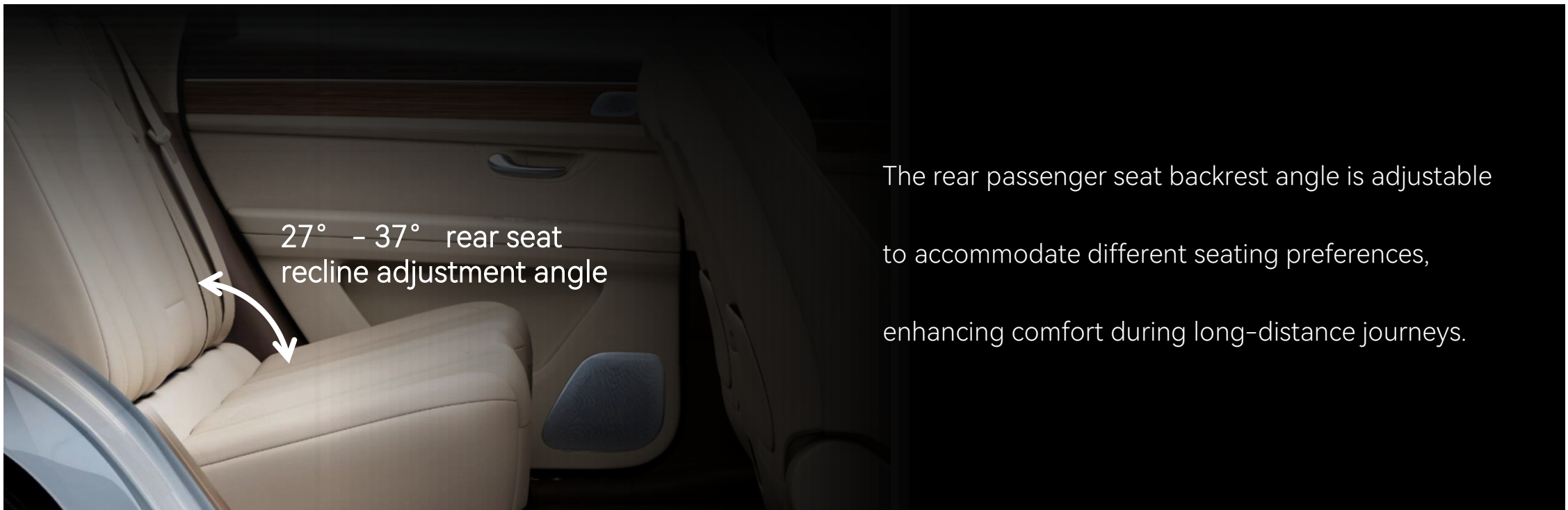
design.

## 5 Seater Version: Flexible Large Space

Ultimate Comfortable Seats



Rear passenger seat backrest adjustable



The rear passenger seat backrest angle is adjustable to accommodate different seating preferences, enhancing comfort during long-distance journeys.

### One sentence Highlights

The 27-37° adjustable rear seats offer personalized comfort, allowing passengers to find their ideal position for optimal relaxation, especially on long trips.

# Flexible Large Space

Tri-zone Temperature Control with 2 AC Boxes



## Tri-zone temperature control with 2 AC boxes and a new rear touch control screen

- The vehicle is equipped with two independent air conditioning controllers—one for the front and one for the rear—allowing precise control over three distinct temperature zones. This setup ensures that both front and rear passengers can enjoy a customized climate experience.
- Additionally, the rear features a new touch-control air conditioning panel, giving passengers full autonomy to adjust the temperature for their comfort, enhancing the overall convenience and luxury of the cabin.



### One sentence Highlights

The dual air conditioning controllers, three-zone climate control, and two air conditioning units for faster cooling or warming, along with the rear touch-control panel, provide personalized and efficient comfort for all passengers, ensuring an optimal climate experience throughout the journey.

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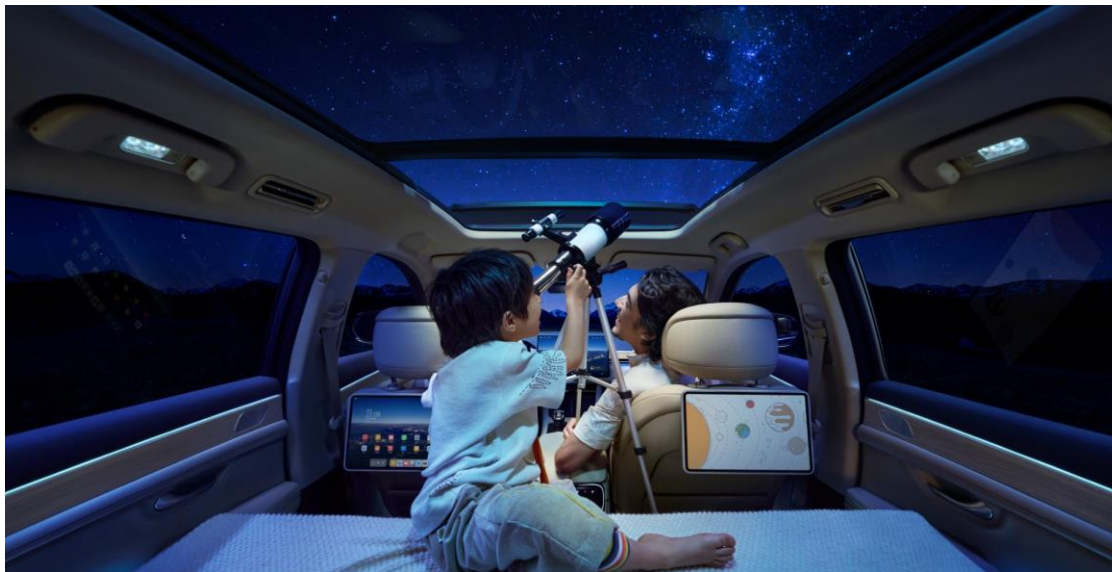
# Flexible Large Space

Openable Panoramic Sunroof with Electric Sunshade & V2L



## Openable panoramic sunroof with electric sunshade & V2L

- The vehicle features an electric panoramic sunroof with a front section that can be opened, allowing you to enjoy a refreshing breeze.
- The sunroof and adjustable electric sunshades offer one-touch control, enhancing comfort by providing natural light, reducing interior temperature, and ensuring privacy.
- The 3.5kW V2L (Vehicle-to-Load) technology allows the vehicle to supply power to external devices, offering a convenient energy source on the go.
- This system can support various appliances, enhancing the vehicle's versatility and practicality.



### One sentence Highlights

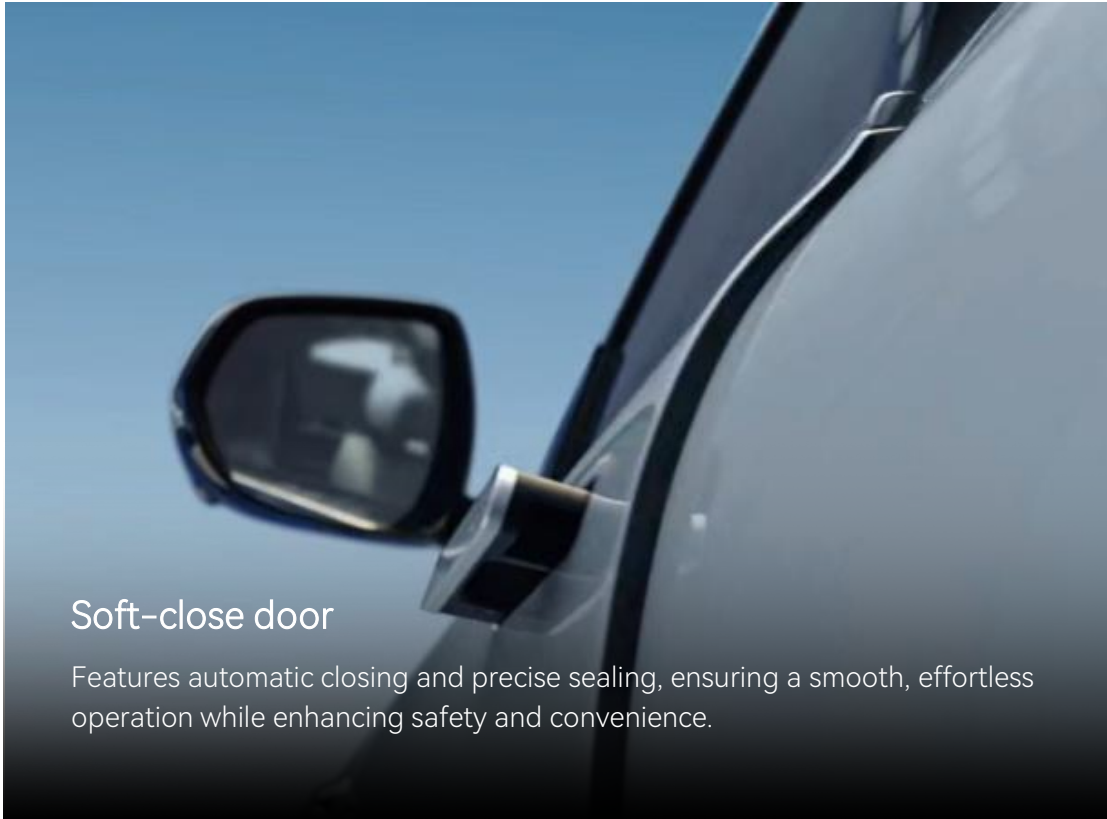
The panoramic sunroof and 3.5kW V2L technology expand the possibilities of everyday driving, offering enhanced comfort and the ability to power external devices, enriching a variety of life scenarios.

# Flexible Large Space

Soft-close Door & Electric Running Board



## Soft-close door & Electric running board



### Soft-close door

Features automatic closing and precise sealing, ensuring a smooth, effortless operation while enhancing safety and convenience.



### Electric running board

Automatically extend when the door is opened and retract when closed, providing easy access to the vehicle while maintaining a sleek, aerodynamic design when not in use.

### One sentence Highlights

Offer exceptional convenience for families, making it easier for children and the elderly to enter and exit the vehicle with minimal effort. These features enhance both safety and luxury, delivering a smooth, effortless experience while adding an elegant touch to the vehicle's design.

# Leading Intelligence

Smart Cabin

Intelligent Driving



# Leading Intelligence

10.25" Smart Dashboard



## 10.25-inch dashboard

- Navigation display
- Song display
- On-board information display
- Vehicle control information display
- Vehicle range display



### One sentence Highlights

The 10.25-inch LCD instrument ensures the safety of people with traditional driving habits, and the rich dashboard information is fully displayed so that the driver can better grasp the vehicle information

# Leading Intelligence

15.6" 2K Smart Central Display



## 15.6 inches

Largest size in its class

## Ultra-narrow bezel 90% screen-to-body ratio

Resolution:1920\*1080, Refresh Rate: 60FPS

## HDR

Light areas are clear and underexposed, dark areas are deep and detailed.

## 2K Ultra HD screen

Exquisite detail in the graphics, close to the original quality graphics

## Visual color experience

Intelligent dimming, intelligent eye protection, cinematic color grading

## One sentence Highlights

The angled, four-sided narrow bezel design is perfectly embedded in the center of the console, and the car gauge LCD panel and materials provide an unparalleled vision experience for the main co-driver and rear passenger

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design.

# Leading Intelligence

HUD



## High resolution

Resolution 480\*240, display size is about 6.3 inches, using a unique distance algorithm to display the projected data in the front position of the car, looks more real and safe

## Comprehensive display information

Speed interface (speed, speed limit, ADAS, etc.), navigation interface (navigation distance, direction, etc.), warning messages (battery capacity, lane departure, forward collision warning, etc.)

## Personalized adjustment

### One sentence Highlights

HUD technology significantly improves the safety, convenience and comfort of driving by reducing the driver's eye diversion, providing rich information display and combining with intelligent driving technology, and also enhances the technological sense and intelligent interactive experience of the vehicle

drivers of all sizes



\* The images are for reference only, please refer to the actual vehicle for the final design and UI images.

# Leading Intelligence

In-car Infotainment System



## Online maps and navigation, voice control and ecosystem

### Online navigation

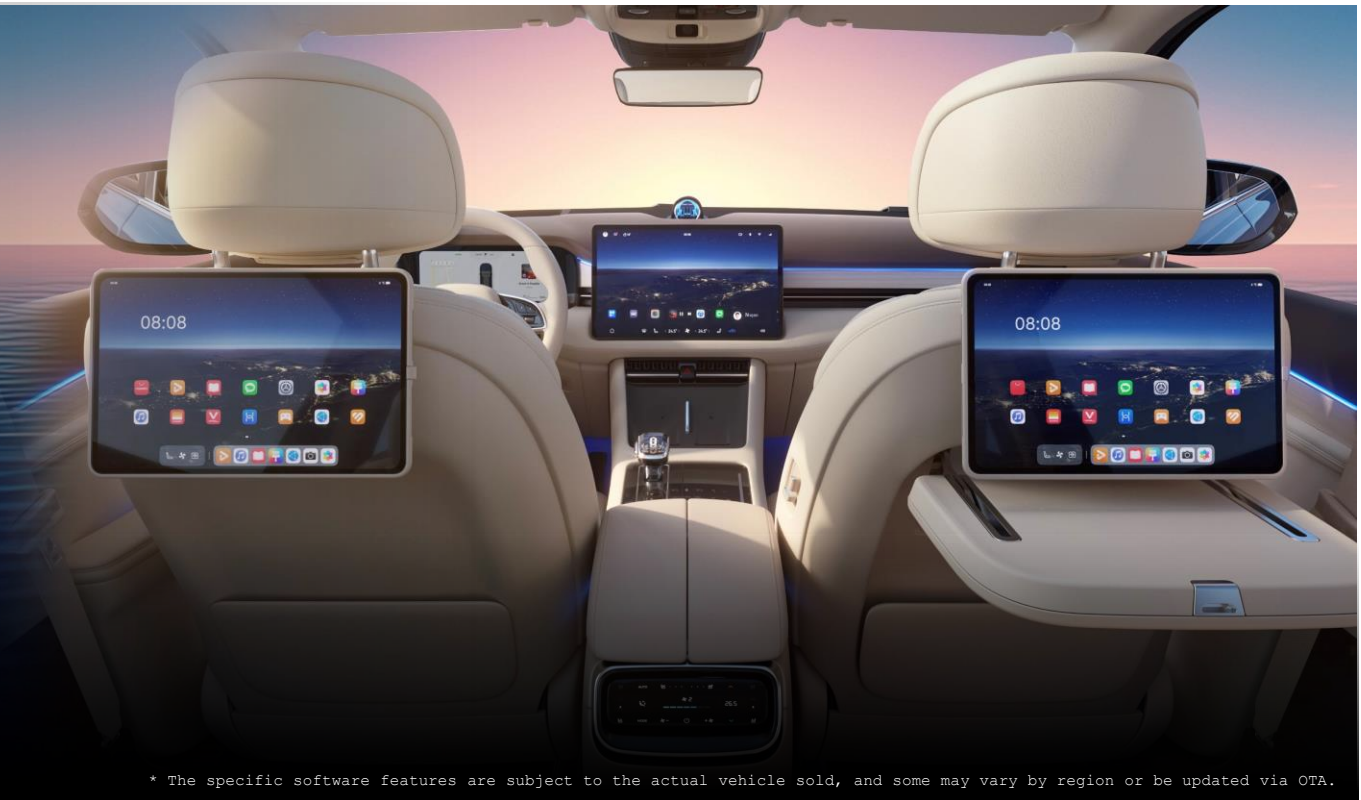
Pre-installed online maps and navigation with real-time traffic status information

### Six-zone/Four-zone voice interaction

- Voice awake
- Hands free operation
- Continuous speaking
- Support for multiple functions
- Supports local languages

### Phone mirroring and APP ecosystem

The system can mirror phone's content to the screen, using navigation, audio, and video apps from mobile device. Additionally, the car's system includes a wide range of popular local apps, such as Spotify and YouTube



\* The specific software features are subject to the actual vehicle sold, and some may vary by region or be updated via OTA.

### One sentence Highlights

The system operates smoothly with an aesthetically pleasing UI design, and its functional interface is clear and user-friendly, making it easy to navigate and use

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design.

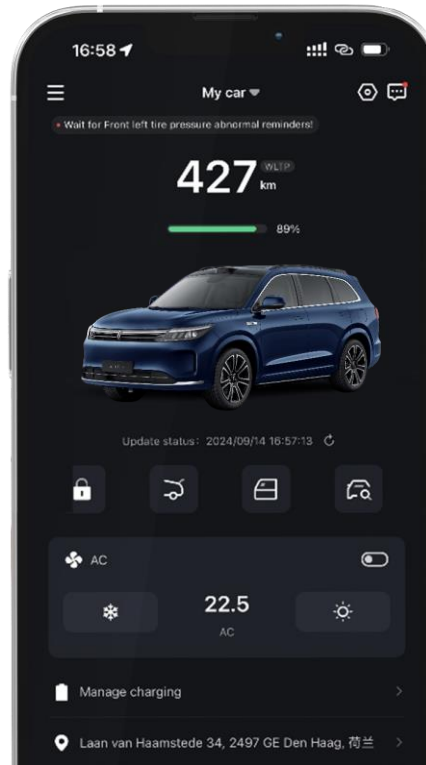


# Leading Intelligence

Mobile phone remote control and OTA

## AITO Mobile APP control your car anytime, anywhere

Basic vehicle control	Personal center
Lock/Unlock	Owner's account
Window open/close	Language choice
Sunshade open/close	Vehicle management
Trunk open/close	Digital key management
AC management	Service center
Seat function setting	User manual
Charging status	Notifications
Car finding	OTA updates
Remote Parking Assist	Contact us



## Over-the-air updates keep your car always new



latest software  
enhance  
performance  
quickly fix  
issues  
security  
improvement  
add new features  
anywhere



Remote vehicle OTA updates automatically deliver the latest software and security improvements, enhance performance, add new features, and quickly fix issues, all without needing a service center visit

\* The specific APP UI and features are subject to the actual vehicle sold, and some functions may vary by region or be updated via OTA.

### One sentence Highlights

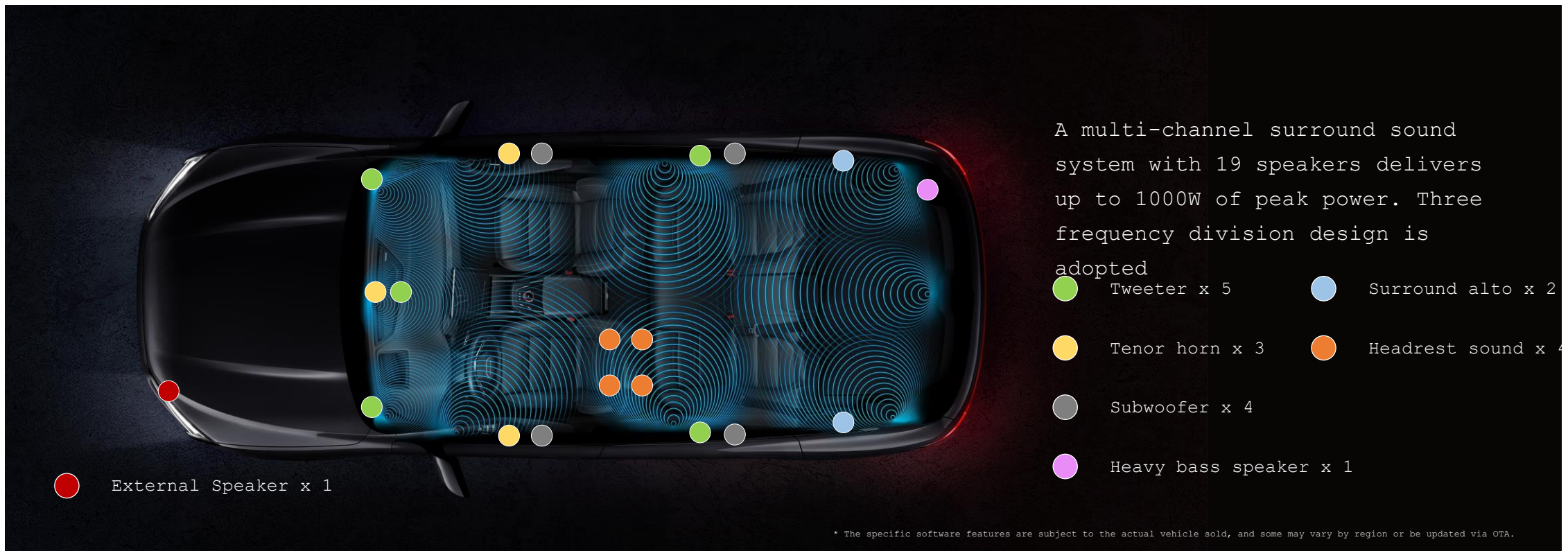
The remote-control app for vehicles lets customers control the car from the phone. It offers real-time tracking and status updates for added security and peace of mind; Supports remote OTA updates, keeping the vehicle consistently up-to-date

# Leading Intelligence

## Sound System



19 speakers, 7.1 surround sound, 1000W amplifier



### One sentence Highlights

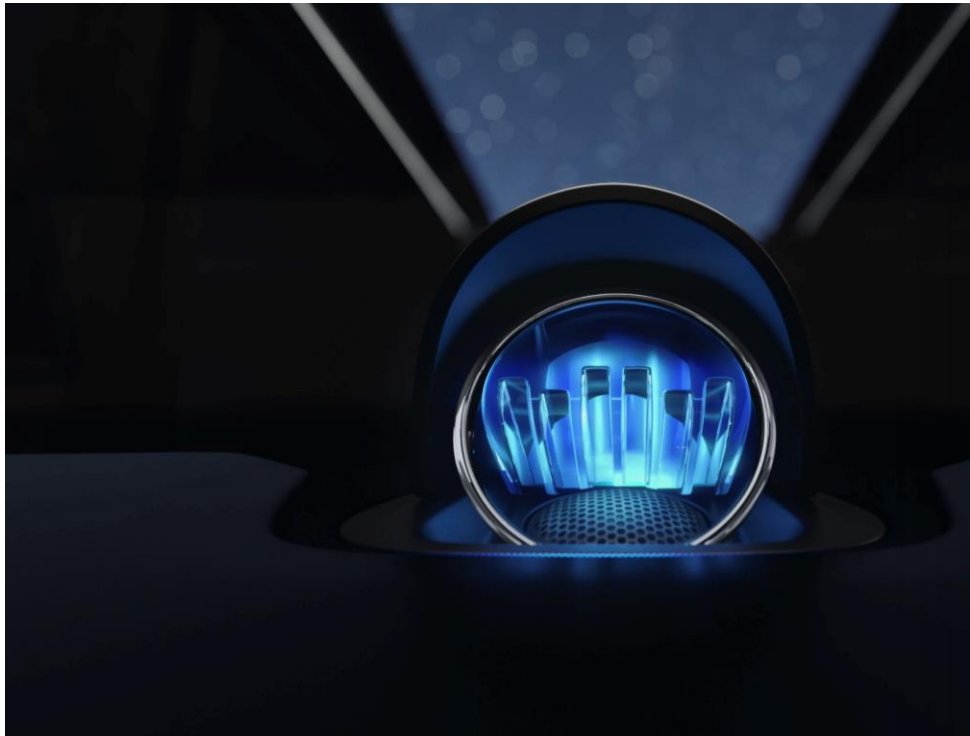
Whether listening to various types of music or watching various movies in the car, the sound system provides customers with a high level of sound presentation

# Leading Intelligence

Planetoid Speaker



## 6 independent crystal lights with a dome-inspired design



- Crafted from K9 crystal through 25 traditional and modern processes, the system features 6 independent light sources.
- Under the interplay of the crystal and point light sources, it transforms into a masterpiece of lighting artistry.
- Utilizing Schroeder acoustic technology, it enhances mid and high frequencies for brighter sound and more even sound dispersion, with a 60% improvement in balance and a 180° sound dispersion angle.

### One sentence Highlights

Provides a futuristic feel, enhancing the vehicle's interior with a touch of luxury and sophistication. It also boosts audio performance, delivering a richer and more immersive sound experience.

# Leading Intelligence

Intelligent Driving

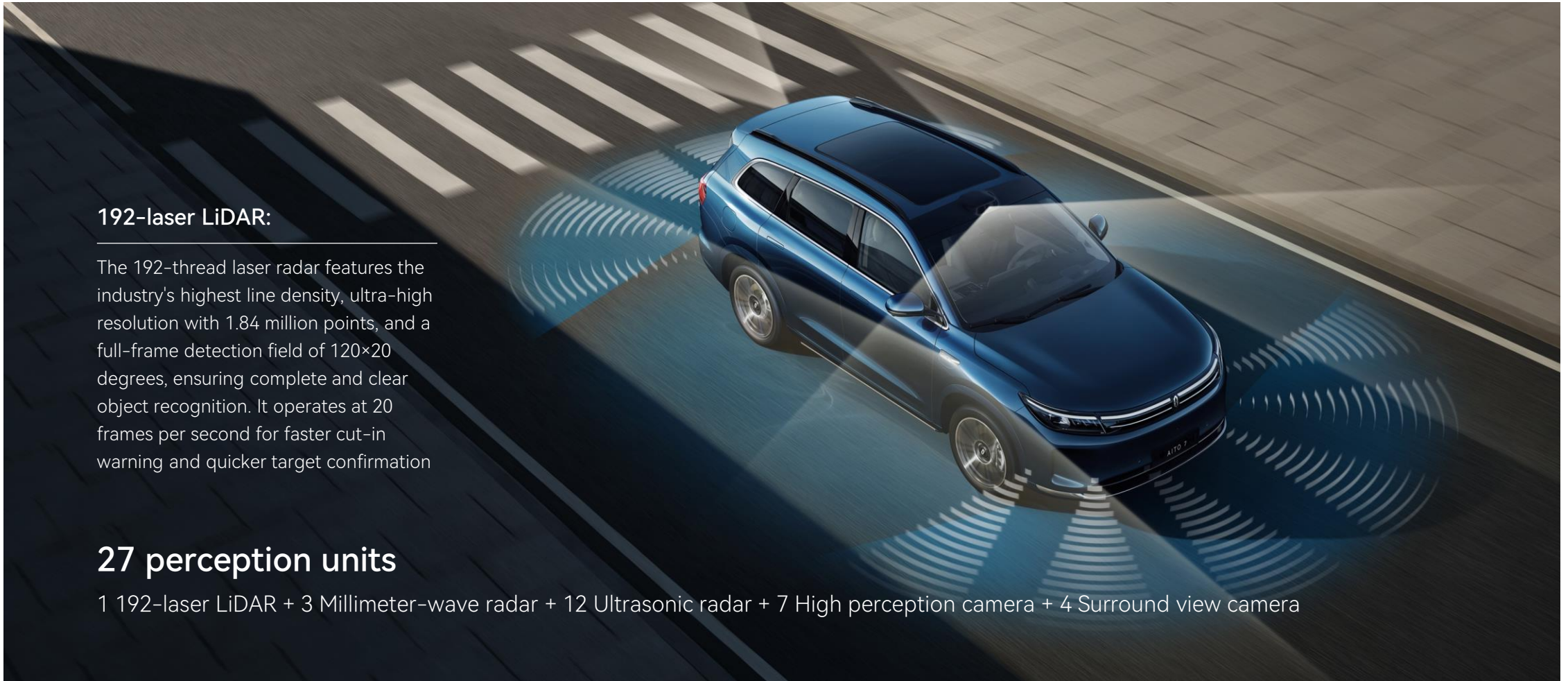


## 192-laser LiDAR:

The 192-thread laser radar features the industry's highest line density, ultra-high resolution with 1.84 million points, and a full-frame detection field of 120×20 degrees, ensuring complete and clear object recognition. It operates at 20 frames per second for faster cut-in warning and quicker target confirmation

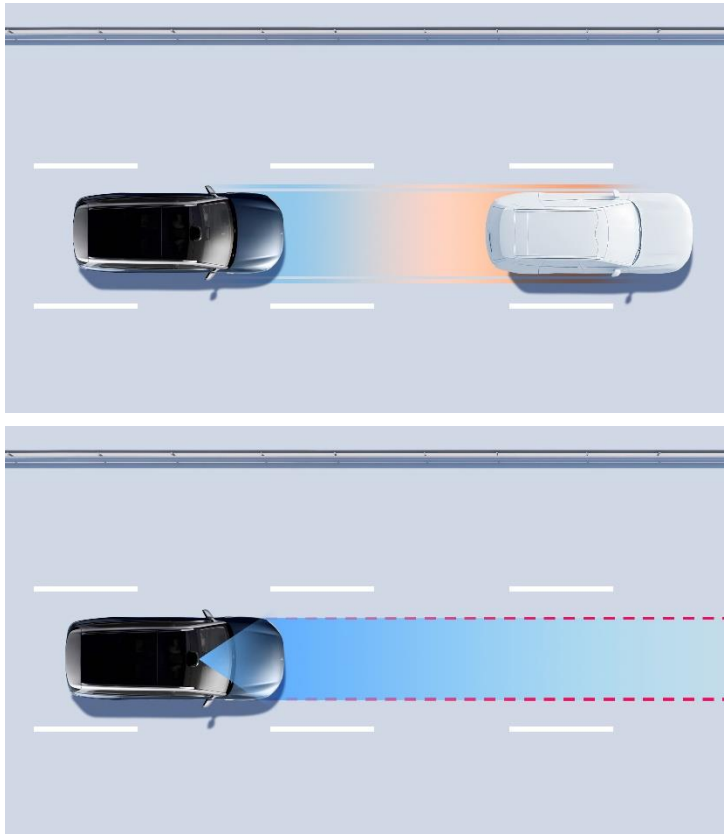
## 27 perception units

1 192-laser LiDAR + 3 Millimeter-wave radar + 12 Ultrasonic radar + 7 High perception camera + 4 Surround view camera



# Leading Intelligence

## Intelligent Driving



**ACC:** Adaptive Cruise Control uses driver assistance sensors to determine the relative distance and speed of the vehicle in front. If there is no vehicle ahead, ACC maintains the set cruise speed. If a vehicle is detected in front, ACC will reduce speed as necessary to maintain the distance to the vehicle in front based on the setting until an appropriate cruise speed is reached.

**LCC:** LCC works via the driver assistance sensors above the front windshield and midway under the front bumper; it mainly provides longitudinal and lateral assistance to the driver, reducing the driver's workload and providing a safe and comfortable driving environment in monotonous driving situations or in traffic jams.

**Off-hand alert:** If the driver doesn't take the wheel for more than 10 seconds, a warning appears and the horn sounds for 5 seconds. If still no response, the warning stays on with a light for 5 more seconds. If no action and slight steering, it switches to ACC, showing that LCC is off and asking to take control.

**Activation speed:** 30-130km/h    **working speed:** 0-130km/h

\* Speed range is for reference only and may be updated based on overseas testing.

### One sentence Highlights

Always keep a safe distance and reduce driver fatigue to a certain extent; Reduces driver workload and always maintains a safe and comfortable driving environment

# Leading Intelligence

## Intelligent Driving



**360° AVM (Around View Monitor):** By capturing images of the vehicle's surroundings and displaying them on the central display, the surround view cameras reduces blind spots in the driver's field of vision, making it easier to park into spaces and improving accessibility in scenarios such as narrow streets and alleyways.

- Panoramic interface:**
- Image display area switching and approaching obstacle warning.
  - Switching between 2D/3D views
  - Settings

### Vehicle track lines:

When the panoramic image system is switched on, the vehicle's lane line is displayed on the center display.

- Displays the front track line when the vehicle is moving forward.
- Displays the rear track line when the vehicle is moving backward.



\* The specific APP UI are subject to the actual vehicle sold



### One sentence Highlights

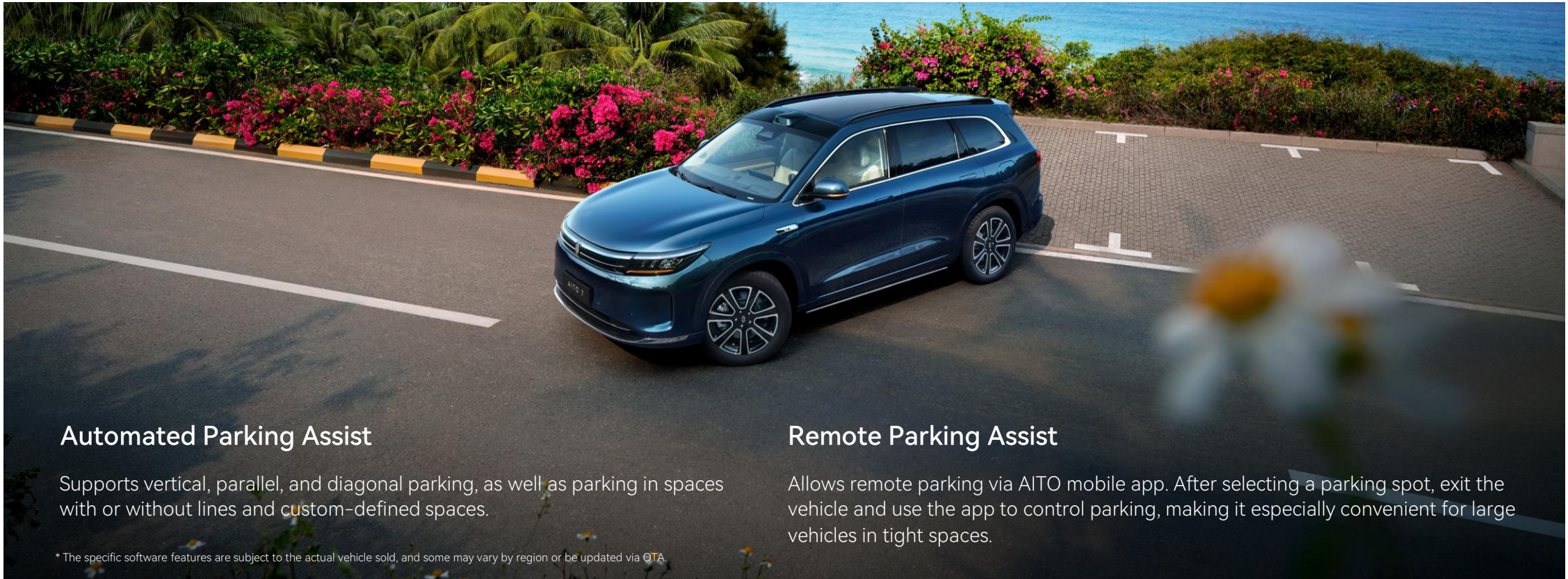
Provides a full, bird's-eye view around the vehicle, enhancing parking and maneuvering by eliminating blind spots and offering a clear, comprehensive image of the surroundings

# Leading Intelligence

Intelligent Driving



Auto Park “as you want” !



## Automated Parking Assist

Supports vertical, parallel, and diagonal parking, as well as parking in spaces with or without lines and custom-defined spaces.

## Remote Parking Assist

Allows remote parking via AITO mobile app. After selecting a parking spot, exit the vehicle and use the app to control parking, making it especially convenient for large vehicles in tight spaces.

\* The specific software features are subject to the actual vehicle sold, and some may vary by region or be updated via OTA.

### One sentence Highlights

Automated & remote parking assist enhance convenience and safety, particularly in challenging parking situations

# Leading Intelligence

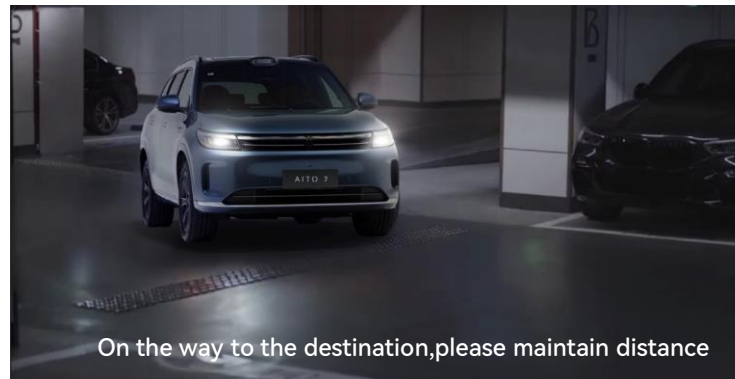
Intelligent Driving



## Automated Valet Parking (via OTA)

### Automated Valet Parking

Allows the vehicle to remember and automatically navigate to a previously used parking spot. Key features include automatic space recognition, ease of access to saved locations, and convenience in retrieving the vehicle from a specific spot without manual intervention.



\* The specific software features are subject to the actual vehicle sold, and some may vary by region or be updated via OTA.

### One sentence Highlights

Remember customer's preferred parking spots and automatically guide to them. This feature enhances convenience and ensures the user always park in a familiar and accessible location.

# All-round Safety

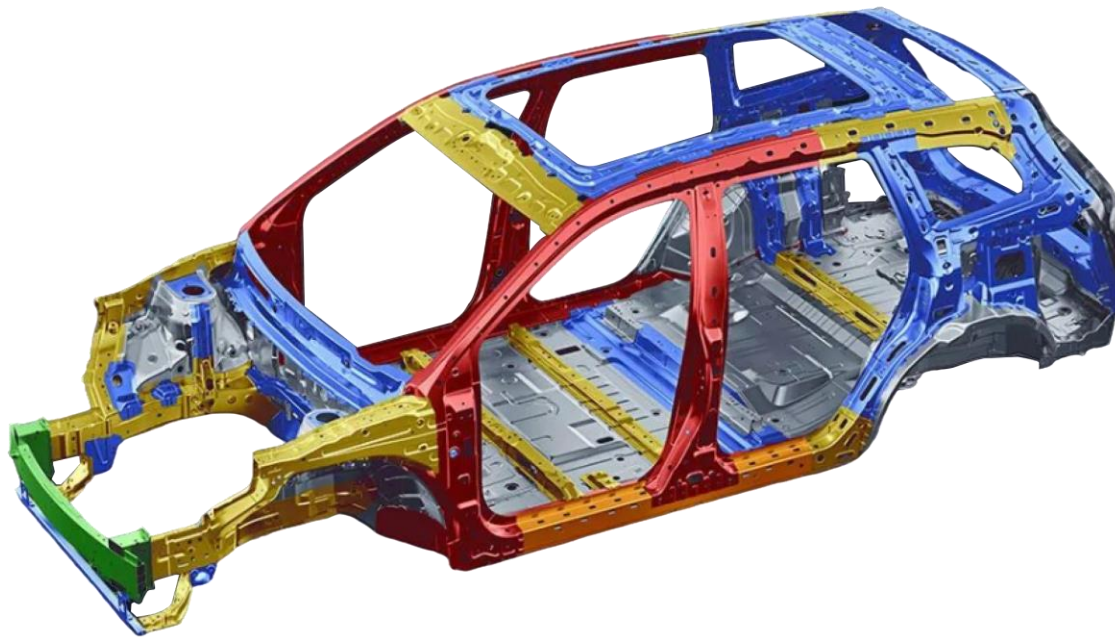
Strong Body  
Battery Safety



\* The images are for reference only, please refer to the actual vehicle for the final design.

# All-round Safety

Body Structure



## Caged safety body

There is no safest, only safer

- 80.6% high-strength steel and aluminium alloy share
- Hot-formed steel in the side sills and bottom adds strength to the battery pack structure
- 24.4% submarine-grade hot-formed steel for passenger compartment safety
- 100% submarine-grade hot-formed steel in the core structure of the front occupant cabin, The main steel used is of submarine-grade ultra-high strength, reaching 2000 MPa

### One sentence Highlights

Provides a futuristic feel, enhancing the vehicle's interior with a touch of luxury and sophistication. It also boosts audio performance, delivering a richer and more immersive sound experience

# All-round Safety

8 Airbags



## 8 airbags

Airbags are typically located in the steering wheel, dashboard, and sides of the vehicle and deploy automatically when sensors detect a collision. The entire vehicle is equipped with a total of 8 sets of airbags.



### One sentence Highlights

It provides comprehensive passive safety protection for all passengers in the vehicle

# All-round Safety

## Active Seat Belts



### Active seat belts with 4000 N retraction force

- In the event of a collision, the pre-tensioned seat belts automatically tighten the shoulder and lap belts to secure the occupant, reducing movement and minimizing injury risk.



- This pre-tightening ensures the occupant is properly positioned for optimal airbag and safety system effectiveness.
- Afterward, the force-limiting device activates, releasing some tension from the seat belt to gradually reduce pressure on the occupant's body, preventing excessive chest and torso compression, and further enhancing collision protection.

#### One sentence Highlights

The pre-tensioned seat belt automatically tightens during a collision to secure the occupant, reducing movement and enhancing safety. Additionally, the force-limiting feature gradually loosens the belt to prevent excessive pressure on the body, minimizing injury risk and improving overall crash protection.

# All-round Safety

## Battery Safety



### 5-level security management system

Monitoring, alarming, explosion-proof, insulation, cooling

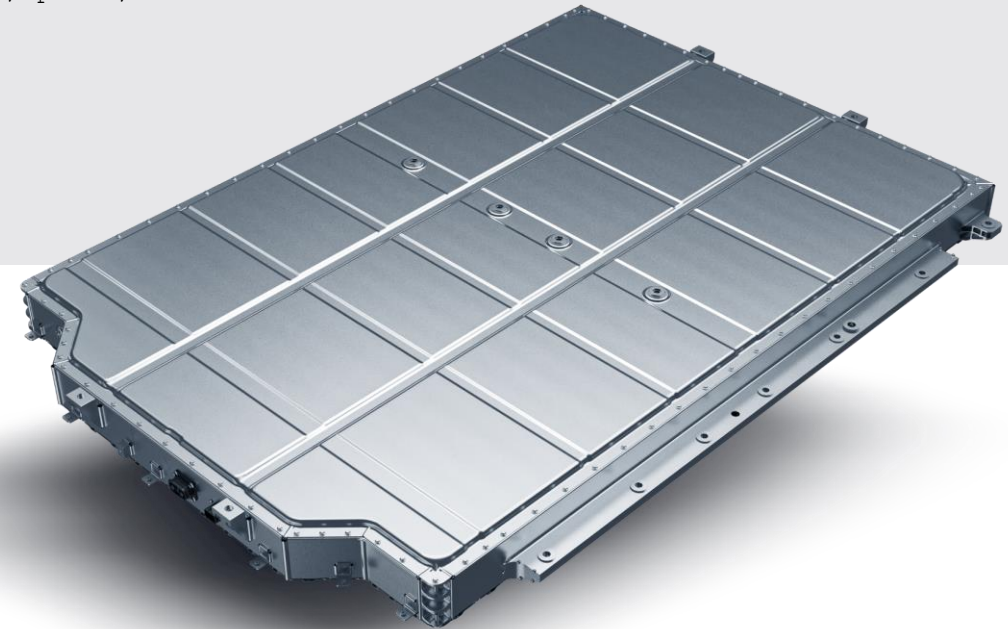
### Over 150 stringent battery safety tests

Nail Penetration, fire, punch, immersion .....

### IPX8-waterproof rating

IPX8 waterproofing means that the device can be continuously submerged under water from 1.5 meters to 30 meters deep for up to 30 minutes without damage and is guaranteed to be watertight

Our batteries are co-developed and tested with CATL, having undergone the most stringent safety tests to ensure safe operation under various conditions



### One sentence Highlights

These protections are crucial to prevent damage, malfunction, or hazards such as fires or leaks. Total security, no worries

# All-round Safety

## Battery Safety



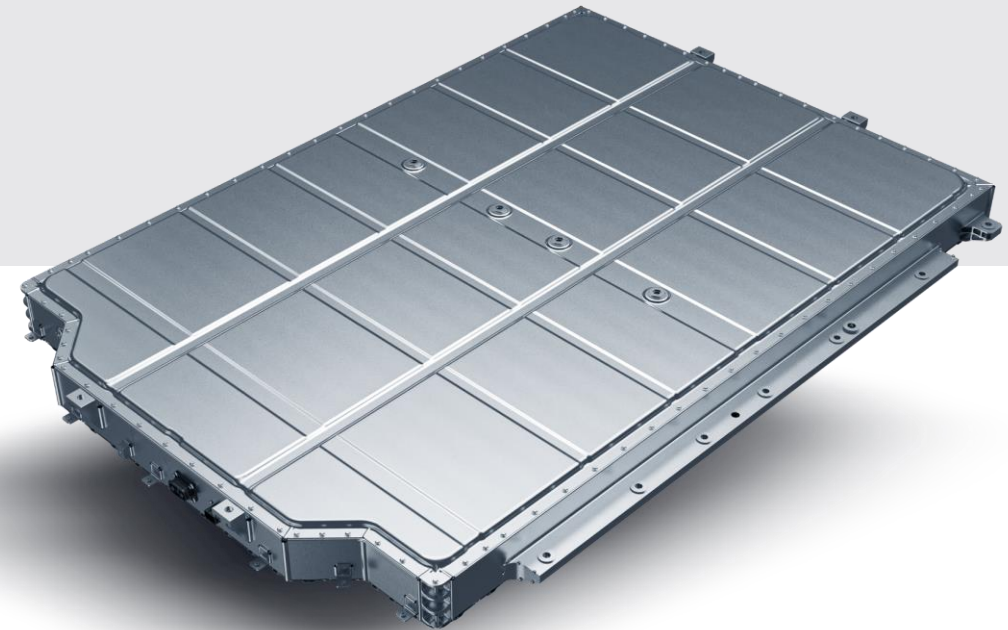
Fire-resistant membrane coating, heat-stable materials for positive electrode; insulation and heat-resistant aerogel between cells, with water-cooling plates

High and Low Temperature Tests

Overcharge and Overdischarge Tests

Short Circuit and Impact Tests

Drop and Vibration Tests



### One sentence Highlights

Power battery safety protection refers to measures and technologies designed to ensure the safe operation of batteries, especially in electric vehicles and energy storage systems

# All-round Safety



## Battery Safety-BMS

A Battery Management System (BMS) is a critical component used in battery-powered systems, especially in electric vehicles (EVs) and energy storage systems. It refers to measures and technologies designed to ensure the safe operation of batteries, especially in electric vehicles and energy storage systems

### Temperature Control

Monitoring and managing battery temperature to prevent overheating or thermal runaway

### Overcharge Protection

Preventing the battery from charging beyond its safe limits



### Short Circuit Protection

Detecting and isolating short circuits to avoid fires or explosions

### Over-discharge Protection

Ensuring the battery doesn't discharge below a critical level that could damage it

# All-round Safety

Intelligent Safety – 20 Active Safety Functions



\* The images are for reference only, please refer to the actual vehicle for the final design.



# All-round Safety

## Intelligent Safety – 20 Active Safety Functions

Safety is the ultimate luxury. With 20 active safety features, customers enjoy comprehensive protection throughout their journey. These systems proactively alert drivers to potential hazards and automatically engage brakes when needed, ensuring a safer and more secure driving experience

### Front Protection

- Driver Monitoring System (DMS)
- Forward Collision Warning (FCW)
- Automatic Emergency Braking (AEB)
- Low-Speed Automatic Emergency Braking (LAEB)
- GOD Automatic Emergency Braking (GAEB)
- Traffic Speed Alert (TSA)
- Traffic Sign Recognition (TSR)
- Traffic Light Recognition (TLR)
- Front Cross Traffic Alert (FCTA)
- Front Cross Traffic Brake (FCTB)

### Lateral Protection

- Blind Spot Detection (BSD)
- Door Open Warning (DOW)
- Lane Departure Warning (LDW)
- Lane Keeping Assist (LKA)
- Emergency Lane Keeping (ELK)
- Lateral Obstacle Collision Prevention (LOCP)

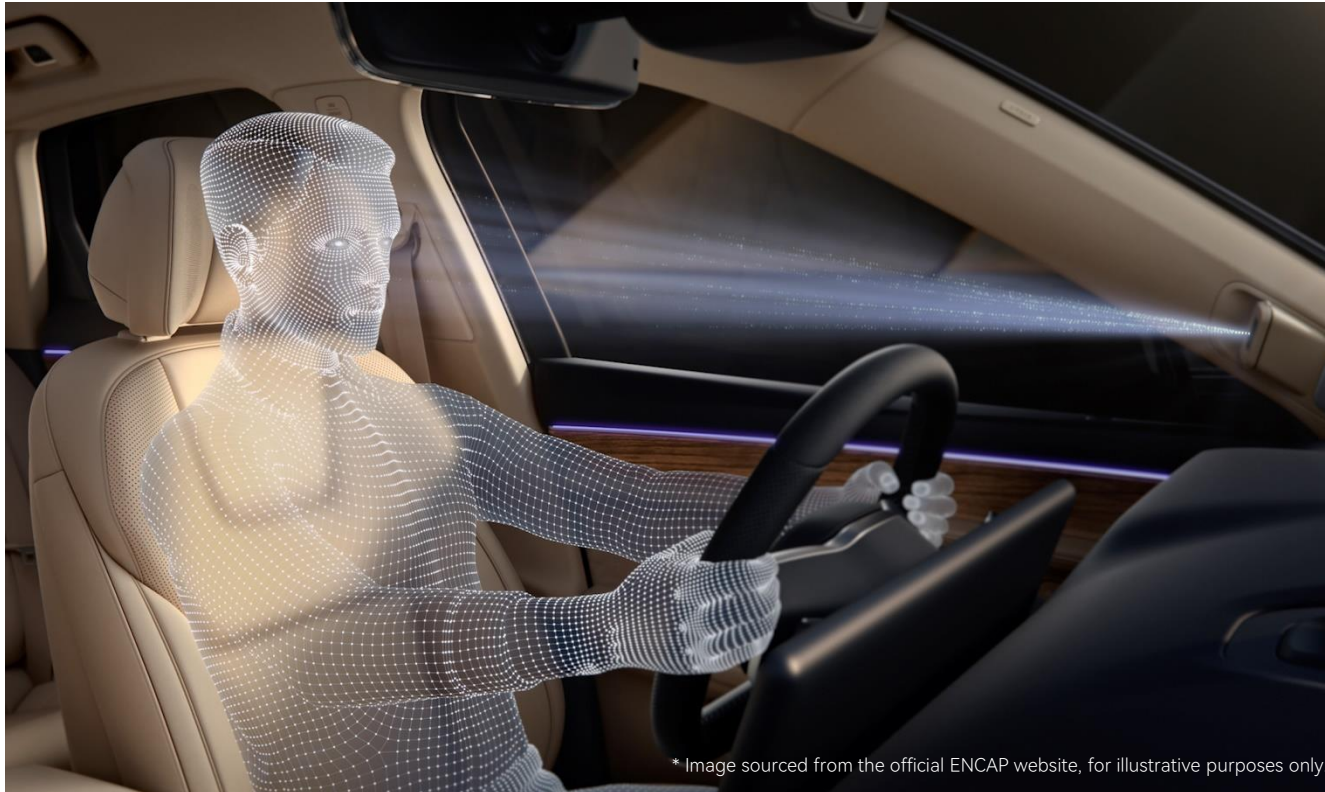
### Rear Protection

- Rear Collision Warning (RCW)
- Rear Cross Traffic Alert (RCTA)
- Rear Cross Traffic Brake (RCTB)
- Rear Automatic Emergency Braking (RAEB)



# Ultimate Safety

Intelligent Safety: Front Protection



## DMS: Driver Monitoring System

- **Fatigue detection:** When driving, the fatigue monitoring system integrates data such as the driver's head movements, eye and mouth state, vehicle speed, and duration of driving to assess if the driver is experiencing fatigue, categorizing their fatigue level. Based on this analysis, alerts are communicated to the driver through the instrument cluster, central control screen, and vehicle speakers.
- **Distraction detection:** When driving, the fatigue monitoring system assesses the driver's focus and gaze duration to detect distracted driving behaviors. Using pop-up notifications and audible alarms, the system alerts the driver accordingly.

### One sentence Highlights

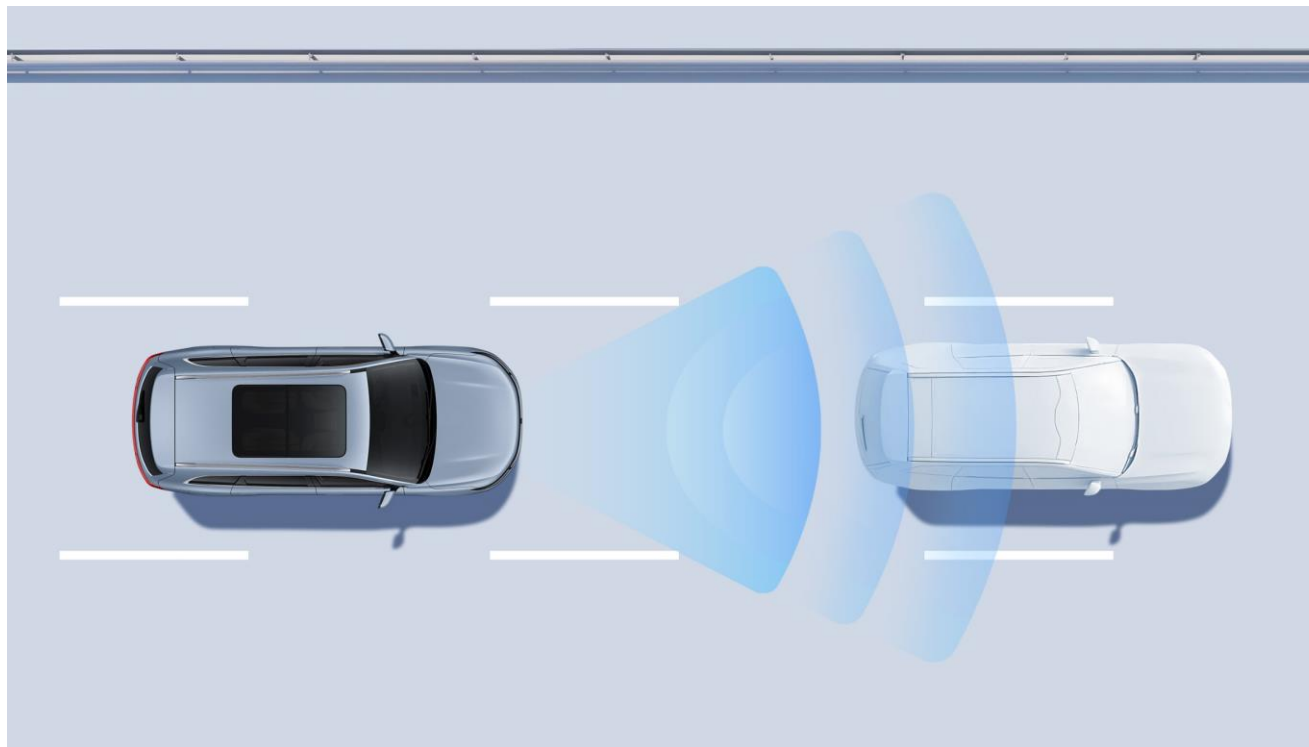
Enhances safety by monitoring and alerting drivers to fatigue and distraction in real-time.

# All-round Safety

## Intelligent Safety: Front Protection



**FCW:** Forward Collision Warning system is a safety feature designed to warn the driver of an impending collision with a vehicle or object ahead. Using sensors such as cameras or radar, FCW detects the distance and speed of objects in front of the vehicle. If it senses a potential collision, it alerts the driver with visual or audible warnings, giving them time to react and avoid the crash.



### Working conditions:

- If the system detects a potential collision risk at speeds of 30 km/h and above, the driver is warned of the potential collision risk with audible and visual warnings.
- The system detects moving vehicles at a speed between 30 and 150km/h.
- The system detects stationary objects at a speed between 30 and 85 km/h.

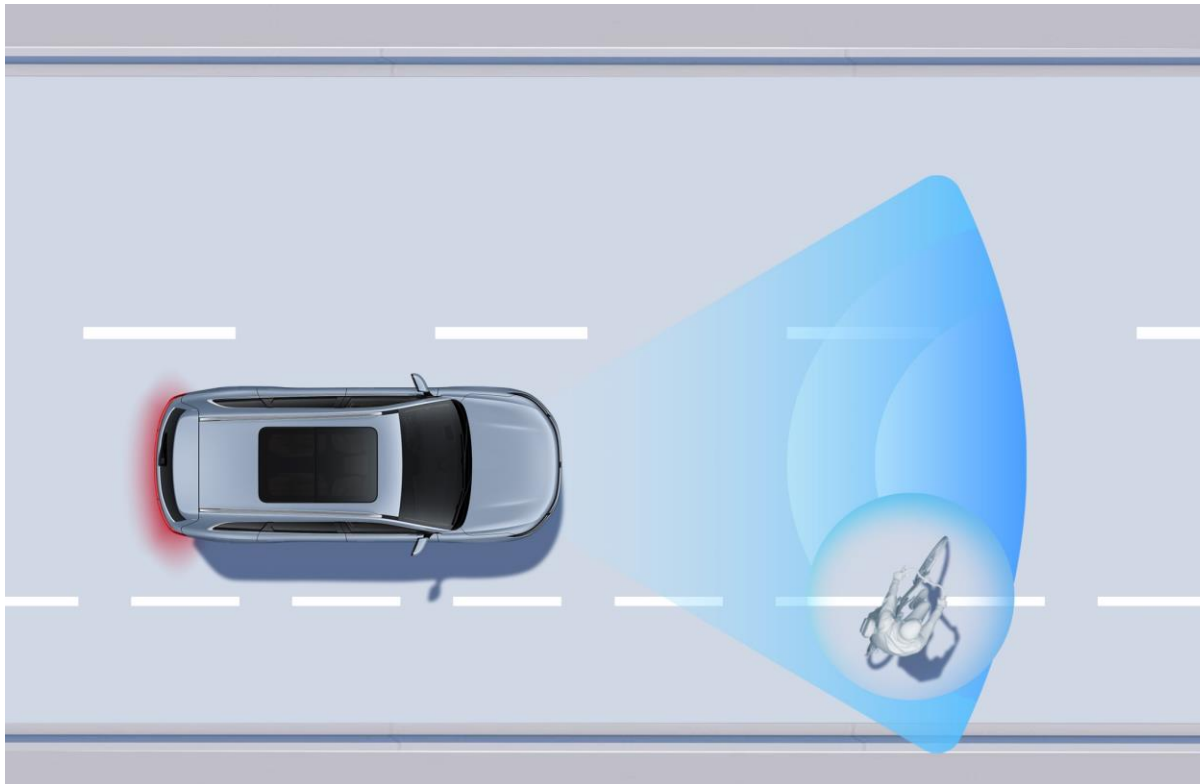
\* Speed range is for reference only and may be updated based on overseas testing.

### One sentence Highlights

FCW warns the driver of potential collision risks ahead, helping to prevent accidents and enhance driving safety.

# All-round Safety

## Intelligent Safety: Front Protection



**AEB:** At a speed of 4 to 85 km/h, if a hazardous situation arises and the driver fails to apply the brakes, or applies too little, the system will assist the driver to increase the braking force to avoid or mitigate a collision, and a visual warning will appear on the dashboard.

**LAEB:** The Low-speed Automatic Emergency Braking (LAEB) system detects the environment in front and behind the vehicle when moving at low speeds(10-15km/h) in N gear. If it detects a risk of collision with vehicles, pedestrians, or cyclists, it automatically applies the brakes to reduce speed and alerts the driver to brake via the instrument display.

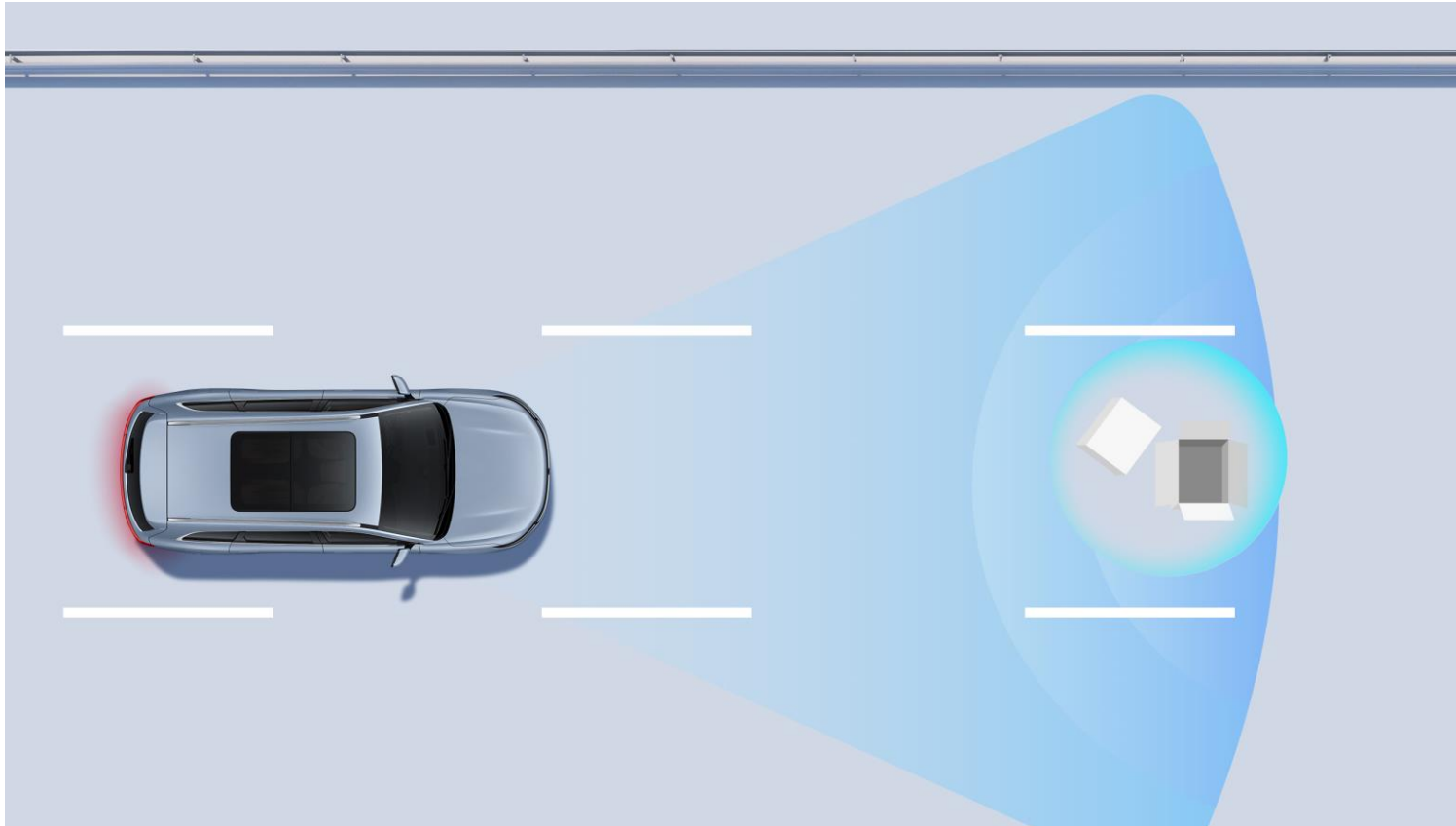
\* Speed range is for reference only and may be updated based on overseas testing.

### One sentence Highlights

The AEB and LAEB system automatically applies the brakes to prevent or mitigate a collision, enhancing safety and reducing the risk of accidents.

# All-round Safety

Intelligent Safety: Front Protection



## GOD-AEB:

GAEB, the full name is GOD-AEB General Obstacle Detection Automatic Emergency Braking. Unlike other smart car AEBs, GAEB introduces a GOD (Guided Obstacle Detection) sensing network on top of the traditional functions.

The main function of the GOD network is to plan a 'drivable area' for the vehicle with Occupancy Network, using a visual deep learning model that occupies the grille, as well as forward LiDAR, thus enabling the avoidance of obstacles outside of the traditional AEB whitelist

### One sentence Highlights

The recognition of General Obstacle is far ahead of other brands and effectively reduces the accident rate

# All-round Safety

## Intelligent Safety: Front Protection



**TSR:** The TSR recognizes and displays traffic sign information in real time to remind drivers to drive sensibly. The Traffic Sign Recognition (TSR) system uses maps and cameras to obtain information about traffic signs on the current road, and the currently recognizable signs include speed limit signs and stop and yield signs. The speed limit sign on the instrument display will disappear after the corresponding cancellation sign is recognized



**TLR:** The TLR recognises and displays traffic light information in real time to remind drivers to drive sensibly. The Traffic Light Recognition (TLR) system uses a camera to sense standard motor vehicle traffic signal information at the intersection ahead and displays the colour status of the recognised motor vehicle traffic signal in real time on the instrument display

\* The functions may vary by region or be updated via OTA.

### One sentence Highlights

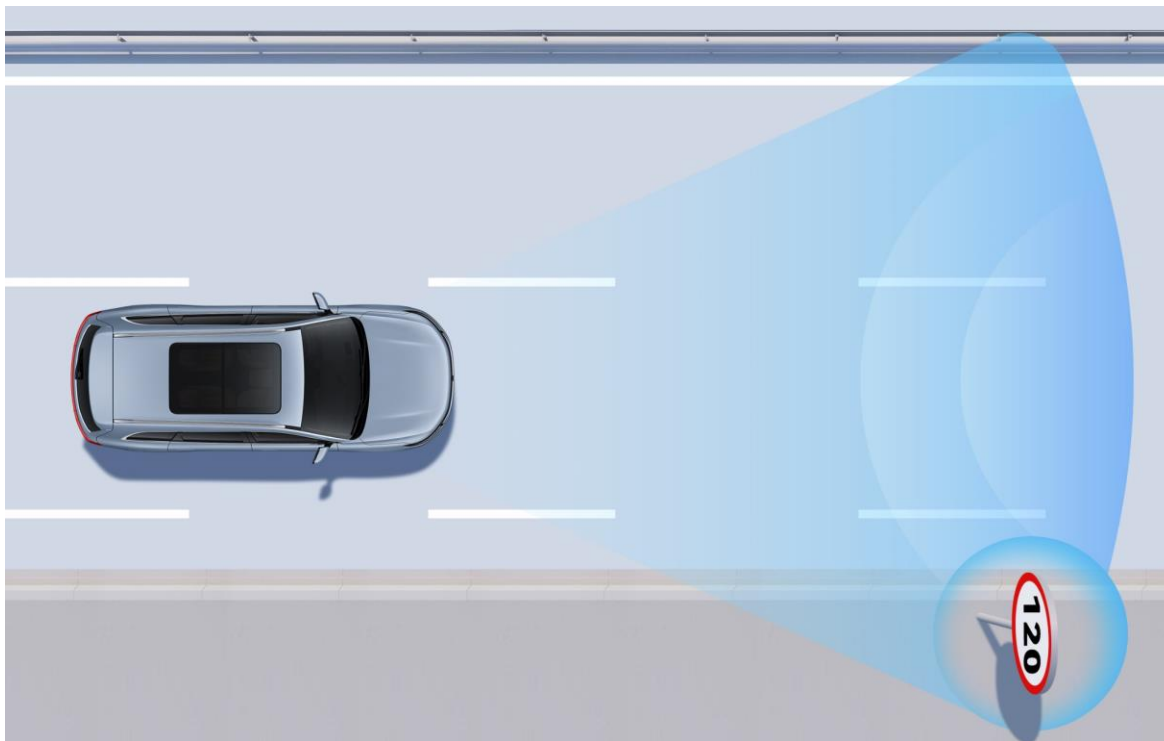
The TSR/TLR function can effectively help drivers to recognize traffic signs on the road when they are not concentrating or in bad weather, allowing drivers to concentrate more on driving itself without neglecting the safety situation on the road, improving driving safety

# All-round Safety

## Intelligent Safety: Front Protection



**TSA:** The intelligent Traffic Speed Assistance System (TSA) utilizes the forward camera to real-time recognize road traffic speed limit signs, combined with road speed limit information provided by navigation maps. This achieves Speed Limit Information Display (SLIF) and Speed Limit Warning Function (SLWF). When the vehicle speed exceeds the road speed limit, visual/audio alerts are triggered.



**Activation speed:** over 5km/h

### Reminders:

Visual icon: When TSA triggers display, the dashboard shows the warning icon.

Warning: When vehicle speed exceeds the road speed limit, the instrument panel's speed limit value icon flashes and emits an audible alert.

Speed limit change alert: Upon detecting a change in road speed limit, the instrument panel emits a notification sound.

\* The function may vary by region or be updated via OTA.

### One sentence Highlights

The intelligent traffic speed limit assistance function actively reminds drivers of speed limit information and enhances driving safety.

# All-round Safety

## Intelligent Safety: Front Protection



**FCTA:** When the vehicle is moving at low speed, it issues a warning when it detects a potential collision with a vehicle crossing laterally ahead.

- **Activation speed:** 0-30km/h
- **The angle at which the vehicle crosses laterally:**  $90^{\circ} \pm 20^{\circ}$

**FCTB:** When the vehicle is traveling at low speed, it automatically applies brakes when it detects an imminent collision with a vehicle crossing laterally ahead, reducing vehicle speed to minimize the impact of the collision as much as possible.

- **Activation speed:** 0km/h ~ 5km/h, 10 km/h ~ 20km/h
- **The angle at which the vehicle crosses laterally:**  $90^{\circ} \pm 20^{\circ}$

### Activation conditions:

- **Warning:** When there is a collision risk, the dashboard and central display will show a red or yellow halo (arc) and will have sound alert.
- **Braking:** Automatic braking occurs when the collision risk intensifies further.

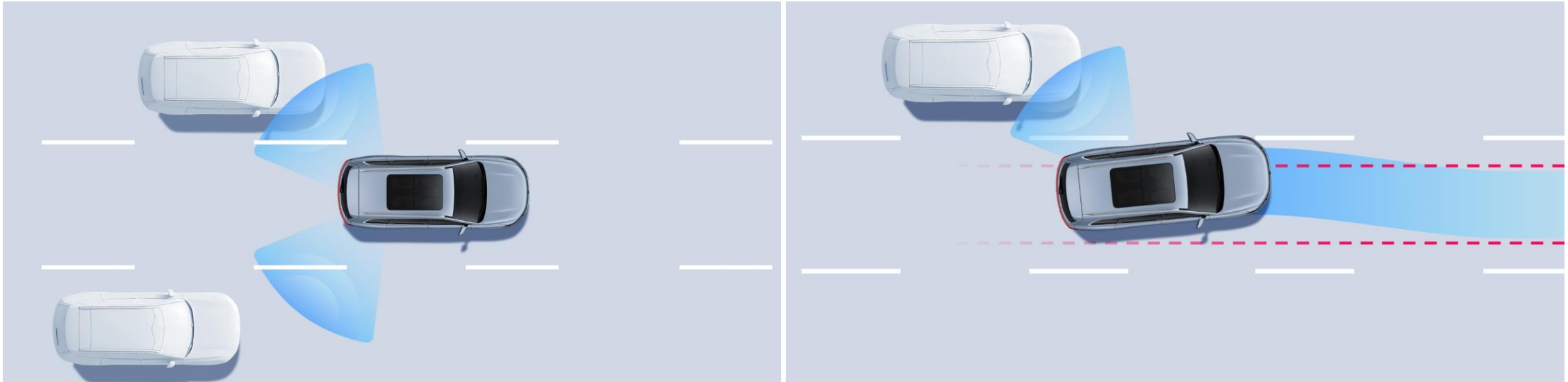
\* Speed range is for reference only and may be updated based on overseas testing.

### One sentence Highlights

Automatically identify the car crossing in front and make braking, so as not to appear in the field of vision of the vehicle can not be identified in the blind spot, greatly reducing the accident rate when the vulgar move car

# All-round Safety

## Intelligent Safety: Lateral Protection



**BSD:** the Blind Spot Detection uses sensors on the left and right rear bumper to monitor the blind spots behind the car, and activates the indicator light on the side mirror to alert the driver. If the driver attempts to change lanes with a vehicle in the blind spot, an alarm is triggered to warn of potential collision risk.

**Activation speed:** 10-150km/h

**Monitoring distance:** 70m

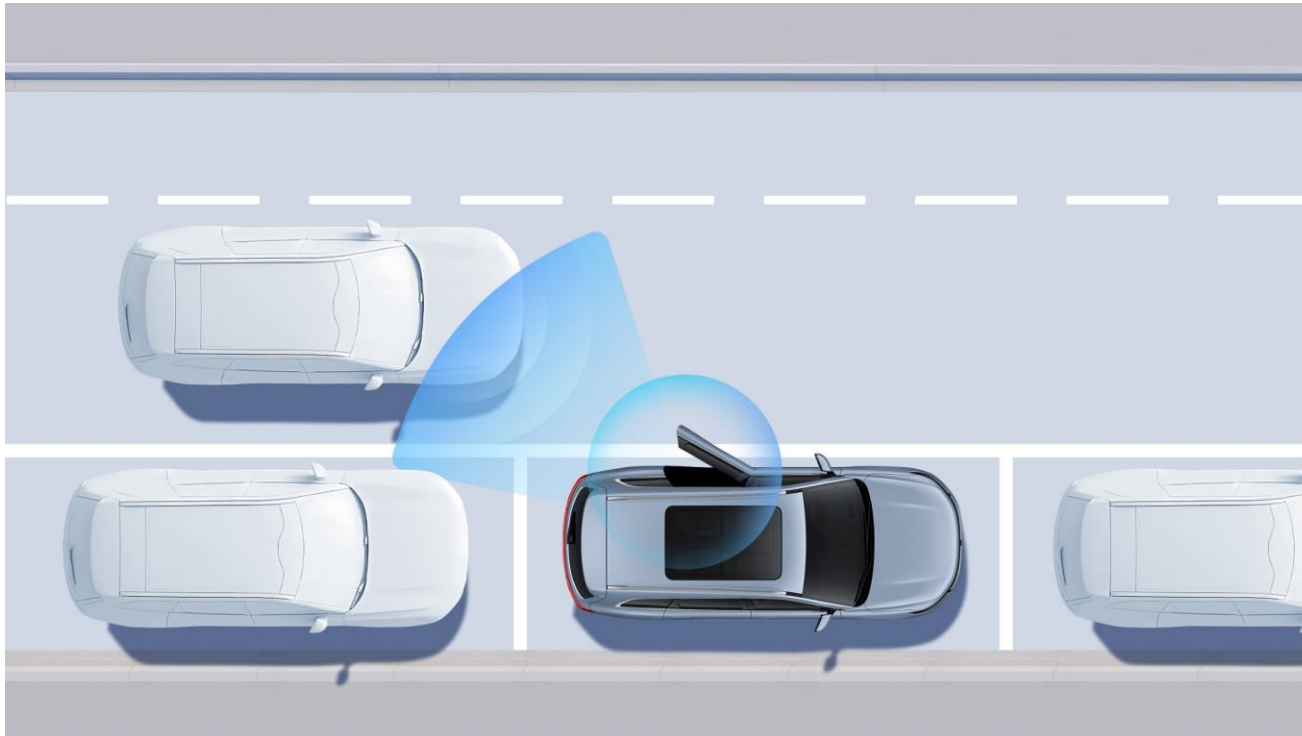
**Reminder method:** dashboard icons, rear view mirror indicator, audible alarm.

### One sentence Highlights

Reduces merging hazards and improves driving safety by warning oncoming traffic from behind

# All-round Safety

Intelligent Safety: Lateral Protection



**DOW** : The Door Open Warning system uses driver assistance sensors on the left and right of the rear bumper to monitor the rear of the car for safety hazards when the doors are about to be opened at a standstill or at low speed ( $\leq 5$  km/h), and provides an audible and visual warning to the passengers to help prevent potential safety accidents.

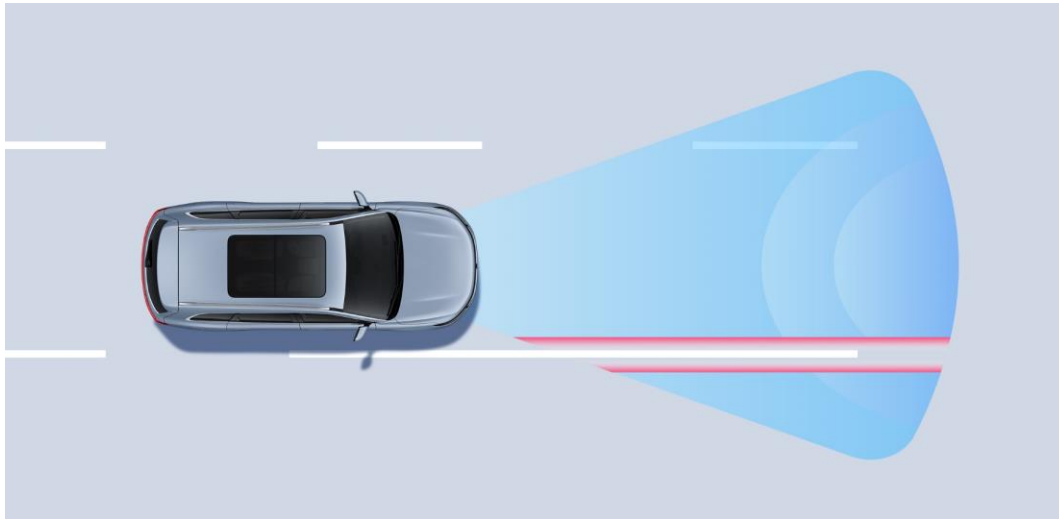
**Reminder method:** If there is a potential risk and the driver or occupant opens the door on that side, the exterior mirror warning light illuminates, the ambient light flashes red, and an audible alarm sounds to warn of a collision risk.

## One sentence Highlights

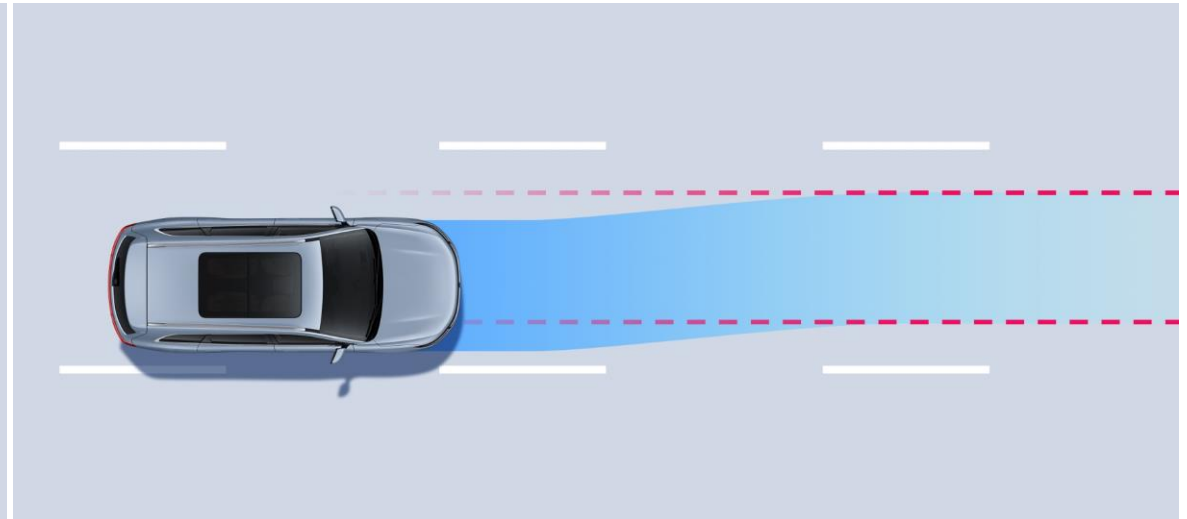
The DOW system alerts the driver of approaching vehicles or cyclists when opening the door, helping to prevent accidents and enhancing passenger safety.

# All-round Safety

Intelligent Safety: Lateral Protection



**LDW:** When driving at speeds 60–150 km/h, and with clear and intact lane markings, Lane Departure Warning monitors the vehicle's position within the lane. If the car begins to unintentionally drift out of its lane without signaling, the system activates a visual warning on the dashboard and sounds an alarm to alert the driver. This helps reduce the risk of lane departure and reminds the driver to regain control.



**LKA:** Lane Keeping Assist works in conjunction with LDW and provides additional steering assistance. If the vehicle drifts out of its lane at speeds above 60 km/h, and the lane markings are clear, the system will display a visual alert on the dashboard and sound an audible warning. If the driver does not actively steer, LKA automatically provides corrective steering to help keep the vehicle in its lane, further reducing the risk of unintentional lane departure.

## One sentence Highlights

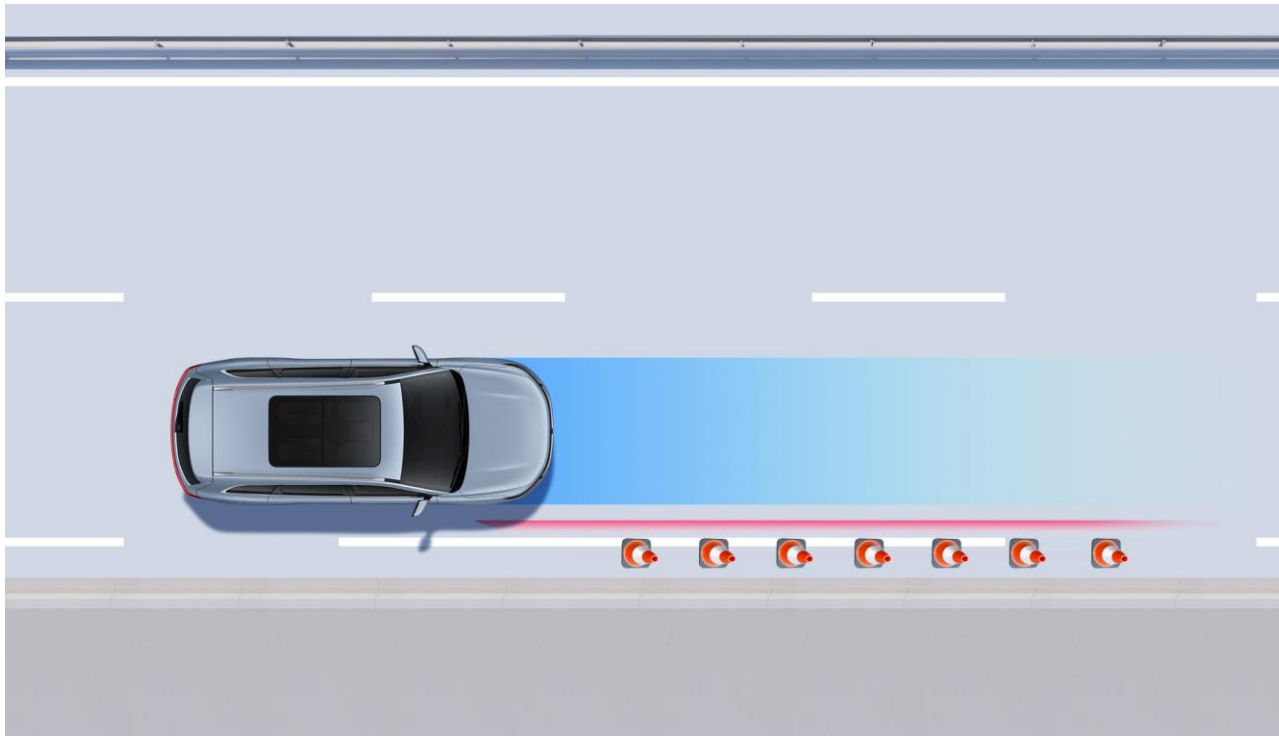
Provide enhanced safety by alerting the driver to lane departures and actively steering the vehicle back into the lane, reducing the risk of accidents caused by driver distraction or fatigue.

# All-round Safety

## Intelligent Safety: Lateral Protection



**LOCP:** Lateral Obstacle Collision Prevention emergency assistance to the driver in turning the steering wheel to avoid and mitigate the risk of collision when there is a risk of collision with some obstacles such as roadside traffic cones, barriers, vehicles occupying a small part of its own lane, etc



**Activation speed:** 30-150km/h

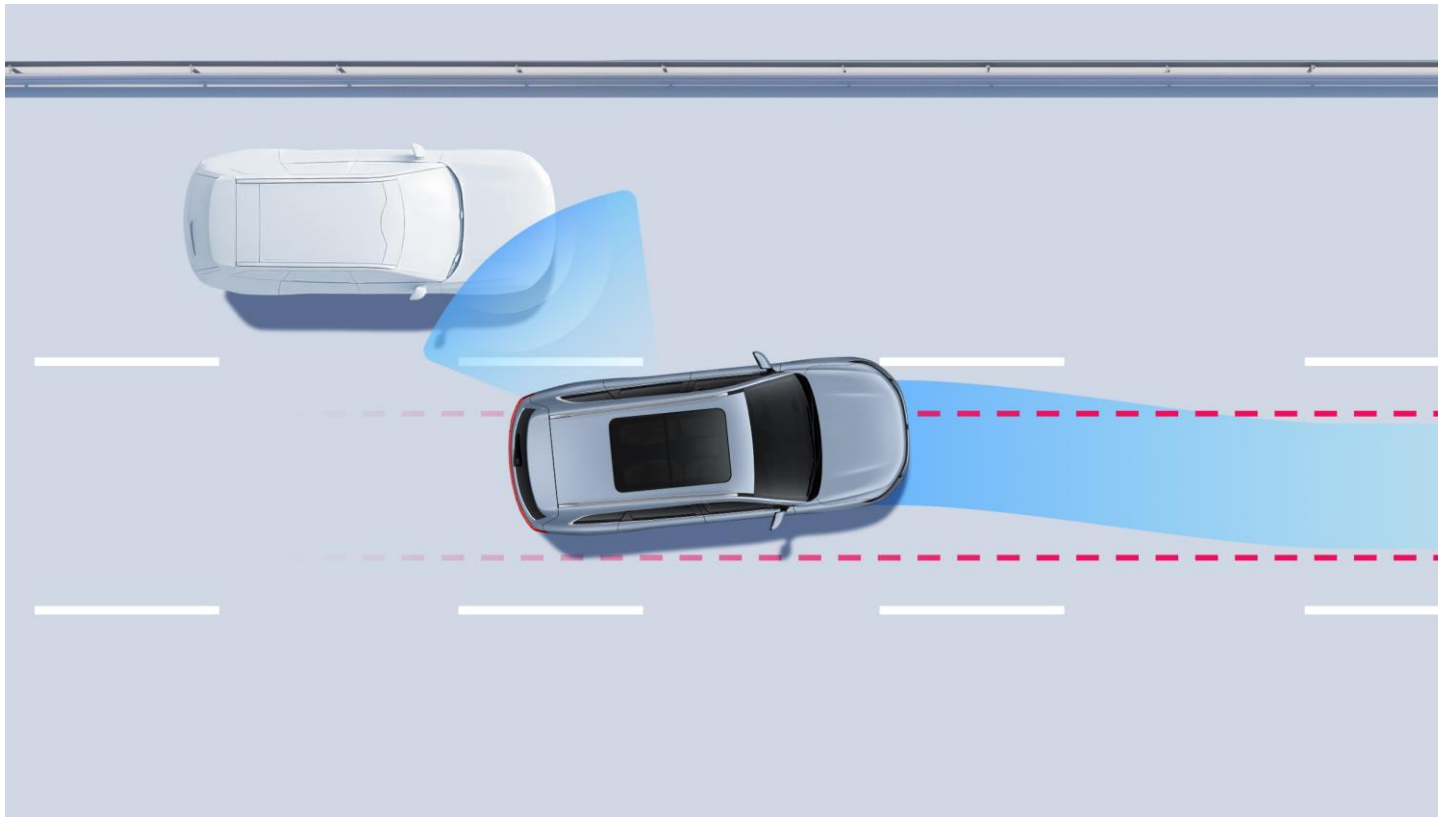
The LOCP system uses a camera and other sensors to identify the surrounding driving environment. When the vehicle is travelling at a speed of approximately 30-150km/h on a non-sharp curved road section, The LOCP system will urgently assist the driver by briefly rotating the steering wheel to help avoid or mitigate the risk of a collision when the risk is present.

### One sentence Highlights

LOCP provides AITO 9 with lateral protection in addition to forward and rearward, giving the vehicle a more comprehensive, 360-degree protection

# All-round Safety

Intelligent Safety: Lateral Protection



**ELK:** The Emergency Lane Keeping (ELK) function utilizes the vehicle's surround cameras, front millimeter-wave radar, rear corner millimeter-wave radar, and other sensors to perceive lane markings, road conditions, and approaching vehicles from the front and rear. When the vehicle unintentionally deviates left or right from its lane and there is a risk of collision with vehicles approaching from the front or rear, it provides lateral correction to prevent collisions.

**Activation speed:** 40-130 km/h

## Reminders:

When the ELK function is triggered, the instrument panel will emit visual or audible warnings.

## One sentence Highlights

The emergency lane keeping function intervenes much more aggressively when detecting potential collisions when changing lanes, and enhances vehicle safety.

# All-round Safety

RCTA/RCTB



**RCTA:** The system detects the side and rear areas within radar coverage and uses both audio and visual warnings to alert the driver if a vehicle is approaching from the side or rear to avoid a collision.

- **Activation speed:** 0-10km/h
- **Moving target (including pedestrians) speed :** Absolute speed  $\geq 1.5$  m/s



**RCTB:** When the vehicle is reversing at low speed, it automatically applies brakes upon detecting an imminent collision with a vehicle crossing laterally from behind, aiming to minimize the severity of the collision as much as possible.

- **Activation speed:** 2-9km/h
- **Moving target (including pedestrians) speed :** Absolute speed  $\geq 1.5$  m/s

## Activation conditions:

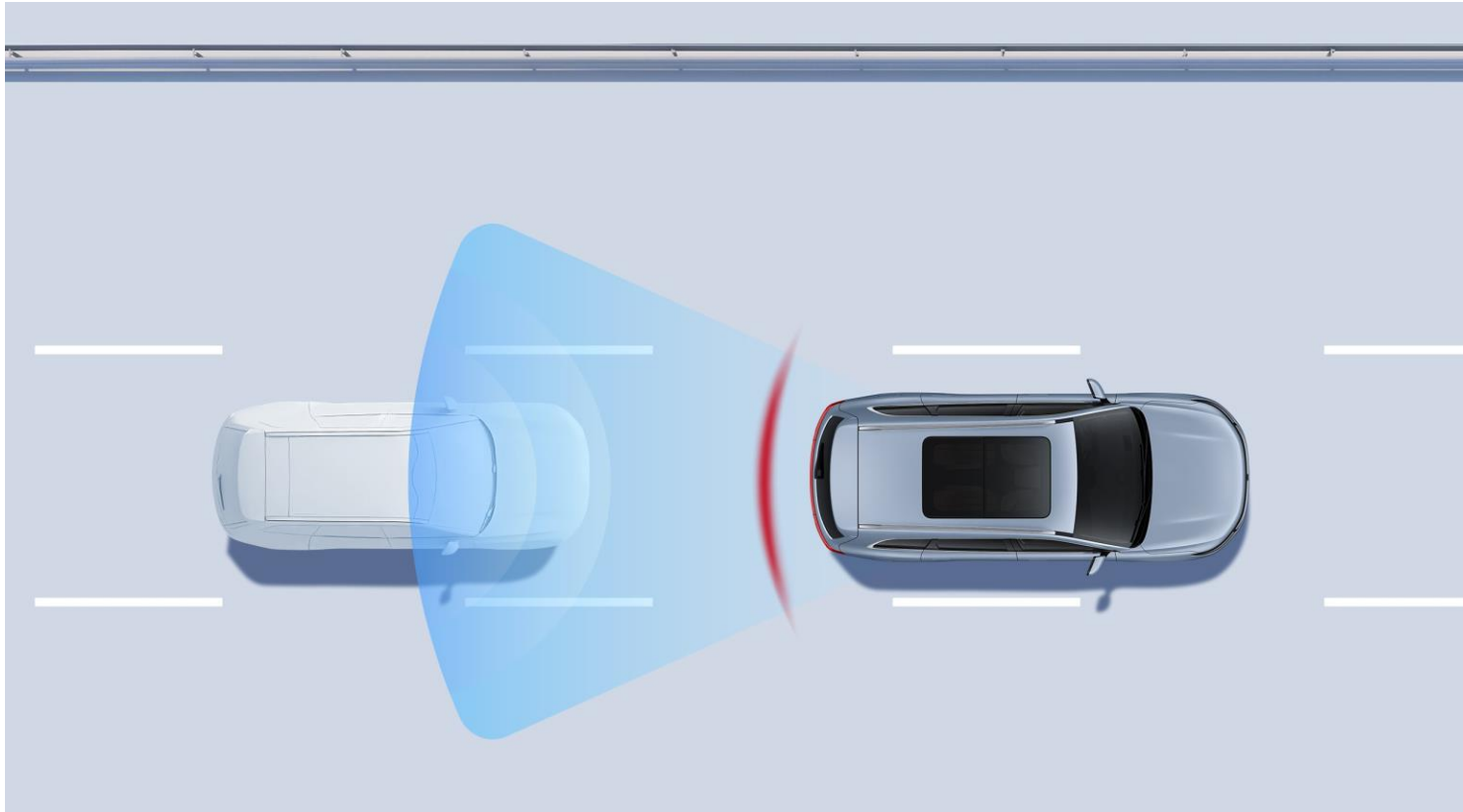
- **Warning:** When there is a collision risk, the dashboard and central display will show a red or yellow halo (arc) and will have sound alert.
- **Braking:** Automatic braking occurs when the collision risk intensifies further.

## One sentence Highlights

Enhances safety by automatically braking to prevent collisions with vehicles crossing laterally from behind, especially when parking in and out.

# All-round Safety

## Intelligent Safety: Rear Protection



**RCW:** Early warning when detecting a potential rear-end collision with a following vehicle while driving forward.

### Activation speed:

When the vehicle is traveling at speeds of 150 km/h or less, the Rear Collision Warning (RCW) system continuously monitors the area behind the vehicle using cameras and other sensors, alerting the driver if it detects a potential rear-end collision with the vehicle behind.

### Reminders:

When the warning is triggered, a red dynamic highlight signal will appear on the instrument display, accompanied by a warning. The vehicle will also activate the hazard lights to alert the driver behind to the collision risk.

### One sentence Highlights

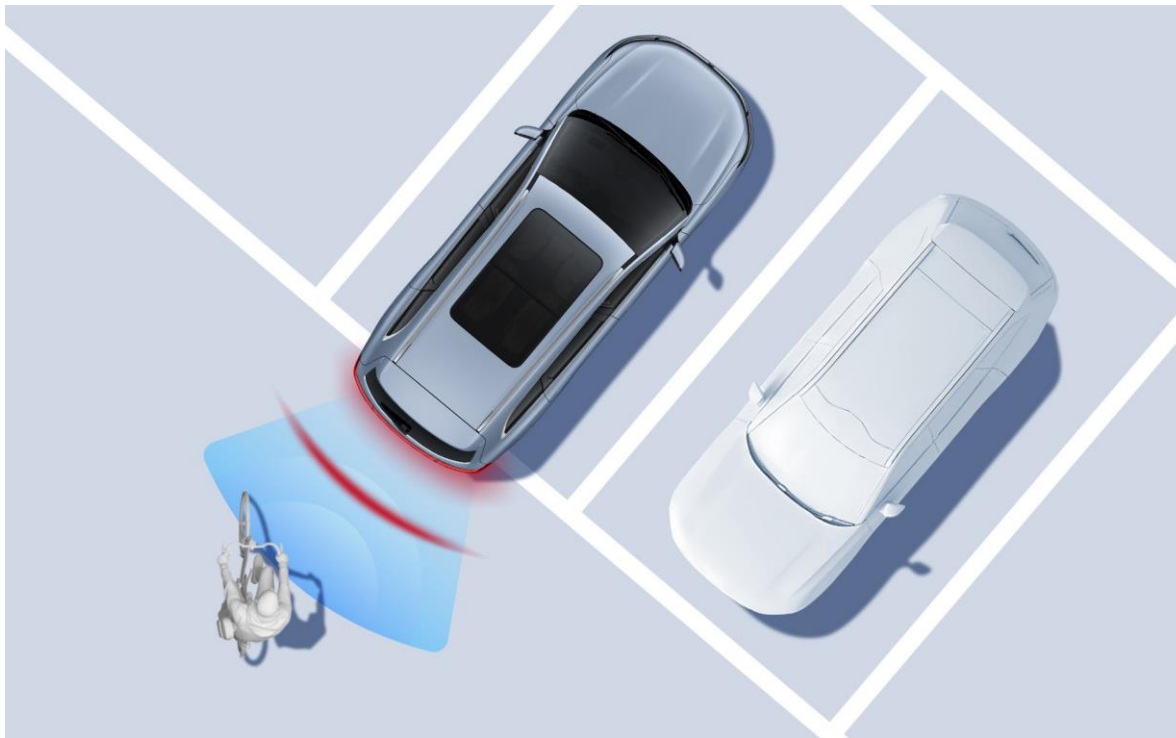
RCW effectively warns of approaching vehicles from behind, and also effectively warns the driver, allowing us to make judgements and operations in advance, increasing driving safety.

# All-round Safety

## Intelligent Safety: Rear Protection



**RAEB:** Rear Automatic Emergency Braking automatically applies the brakes when the vehicle detects an imminent collision with a stationary vehicle, or with a stationary or slow-moving pedestrian or cyclist behind it, in order to reduce speed and minimize the severity of the impact.



### Activation speed:

- 3km/h ~ 60km/h: with a stationary vehicle behind it
- 1km/h ~ 60km/h: with a stationary or slow-moving pedestrian or cyclist behind it

### Reminders:

When the vehicle is reversing, the RAEB system uses cameras and sensors to monitor the area behind the vehicle. If a collision risk is detected, the system automatically applies the brakes to reduce speed and alerts the driver via the center control screen. A dynamic red arc appears on the screen, highlighting the risk target in red, along with a message prompting the driver to apply the brakes.

\* Speed range is for reference only and may be updated based on overseas testing.

### One sentence Highlights

RAEB enhances rear impact protection by addressing blind spots when the vehicle is reversing. This system helps eliminate the driver's concerns about hidden obstacles, providing greater peace of mind and protecting both the driver, pedestrians, and surrounding vehicles.

# Product Message House – AITO 7



## AITO 7

Position & Slogan	<div>Intelligent Large-size Comfort SUV</div> <div>Where Every Journey Feels Like Home</div>				
USP	Pure Design	Comfortable Ride	Flexible Large Space	Leading Intelligence	All-round Safety
	<p><b>Exterior Design</b></p> <ul style="list-style-type: none"> <li>Sunrise LED Headlights</li> <li>Horizon LED Taillights</li> </ul> <p><b>Color Combo</b></p> <ul style="list-style-type: none"> <li>Exterior: Midnight Black, Space Grey, Sliver Frost, Glacial Blue, Comet Blue</li> <li>Interior: Ochre, Camel, Beige</li> </ul> <p><b>Body Size</b></p> <ul style="list-style-type: none"> <li>5020mm*1945mm*1760mm, wheelbase 2820</li> </ul>	<p><b>Intelligent Range Extender</b></p> <ul style="list-style-type: none"> <li>Up to 1150km WLTP combined range</li> <li>Up to 200km WLTP pure electric range</li> <li>6.8L/100km WLTP combined fuel consumption</li> <li>60L fuel tank + 42 kWh NCM battery</li> </ul> <p><b>Comfortable Chassis</b></p> <ul style="list-style-type: none"> <li>Intelligent road preview and CDC synergy</li> <li>Continuous Damping Control</li> <li>Intelligent dual-motor AWD, 0-100km/h acceleration in 4.8s</li> <li>Enhanced MacPherson front suspension</li> <li>Aluminum alloy H-arm multi-link independent rear suspension</li> <li>Intelligent torque system</li> <li>Shortest braking distance from 100-0 km/h: 34.2 meters</li> <li>21-inch dual-arm 10-spoke wheel + Pirelli tires</li> </ul>	<p><b>Versatile Space</b></p> <ul style="list-style-type: none"> <li>3338mm best-in-class interior space</li> <li>937mm front legroom</li> <li>960mm - 1220mm class-leading second row space</li> <li>1100mm class-leading cargo depth</li> <li>27° - 37° rear seat recline adjustment range</li> <li>686L - 1619L + a 52L hidden compartment</li> </ul> <p><b>Family Comfort</b></p> <ul style="list-style-type: none"> <li>Ultimate comfort seats: 10 layers of comfort, 100mm total foam thickness; 1<sup>st</sup> + 2<sup>nd</sup> row ventilation, heating, massage</li> <li>Zero-gravity seats: 424mm 4-way adjustable leg rest, one-touch operation</li> <li>Tri-zone temperature control with 2 AC boxes and a new rear touch control screen</li> <li>Formaldehyde-free cabin</li> <li>Openable panoramic sunroof with electric sunshade</li> <li>3.5kW 220V V2L external power supply</li> <li>Family-friendly: soft-close door, electric running board</li> <li>Supports a 2m x 1.5m large bed when seats folding down</li> </ul>	<p><b>Smart Cabin</b></p> <ul style="list-style-type: none"> <li>15.6" central control screen, 2K ultra HD + 10.25" dashboard + HUD</li> <li>Online maps and navigation;</li> <li>Six/Four-zone voice interaction: supports local languages;</li> <li>Phone mirroring and ecosystem with radio, music, video, etc.</li> <li>Mobile phone remote control</li> <li>OTA updates</li> <li>Sound System: 19 speakers, 7.1 sound, 1000+W + Planetoid Speaker: 6 independent crystal lights with a dome-inspired design</li> </ul> <p><b>Intelligent Driving</b></p> <ul style="list-style-type: none"> <li>192-laser LiDAR: 27 perception units throughout the vehicle;</li> <li>ACC/LCC;</li> <li>360° AVM, transparent chassis;</li> <li>Automated parking assist, remote parking, reverse parking;</li> </ul>	<p><b>Strong Body</b></p> <ul style="list-style-type: none"> <li>24.4% submarine-grade hot-formed steel, up to 2000 MPa; 80.6% high-strength steel and aluminum alloy</li> <li>100% submarine-grade hot-formed steel in the core structure of the front occupant cabin</li> <li>8 airbags for comprehensive safety</li> <li>Active seat belts with 4000N retraction force</li> </ul> <p><b>Battery Safety</b></p> <ul style="list-style-type: none"> <li>5-layer structural safety design and 5-layer cell protection with triple special impact-resistant explosion-proof technologies</li> <li>Lowest point as the subframe to minimize battery scraping risk</li> <li>BMS cloud-based battery management with real-time vehicle safety alerts and notifications</li> </ul> <p><b>Intelligent Safety</b></p> <ul style="list-style-type: none"> <li>20 active safety functions</li> </ul>

THANKS

