

Obstacle Avoidance,  
More Convenient

# Robint Smart Mobility-Care Robot



ROBINT



reddot design award



DESIGN  
AWARD  
2021

# Smart Mobility-Care Robot

WIDC Award Winner 2021

**Reddot Winner 2021/ IF Design Award Winner**



# Making Your Imagination Happen

The smart mobility-care robot takes you  
wherever you want to make your life  
more colorful.





## Easy use

### Flexible and convenient

User-friendly, easily operating  
Turning around, climbing, crossing

## Ergonomics

### Comfortable, easy operation

The backrest tilting back in 15 degrees designed for longer comfort;  
50cm-high backrest  
Foldable armrest design for relaxing your arms on,  
42cm-depth chair design for complete comfort in sitting.



### Off-Road All Direction Wheel

### Armrest



With firm and foldable armrest, user can easily get in and out of it from the front and side



The all-direction wheels offers more stability without being steered 76cm turning radius design for mobility in narrow space



# Autonomous navigation, Automatic follow

Autonomous navigation, Automatic follow

With Cell phone control, Bluetooth connection, remote summon, the smart mobility-care robot can find you easily.

AUTOMATIC FOLLOWING



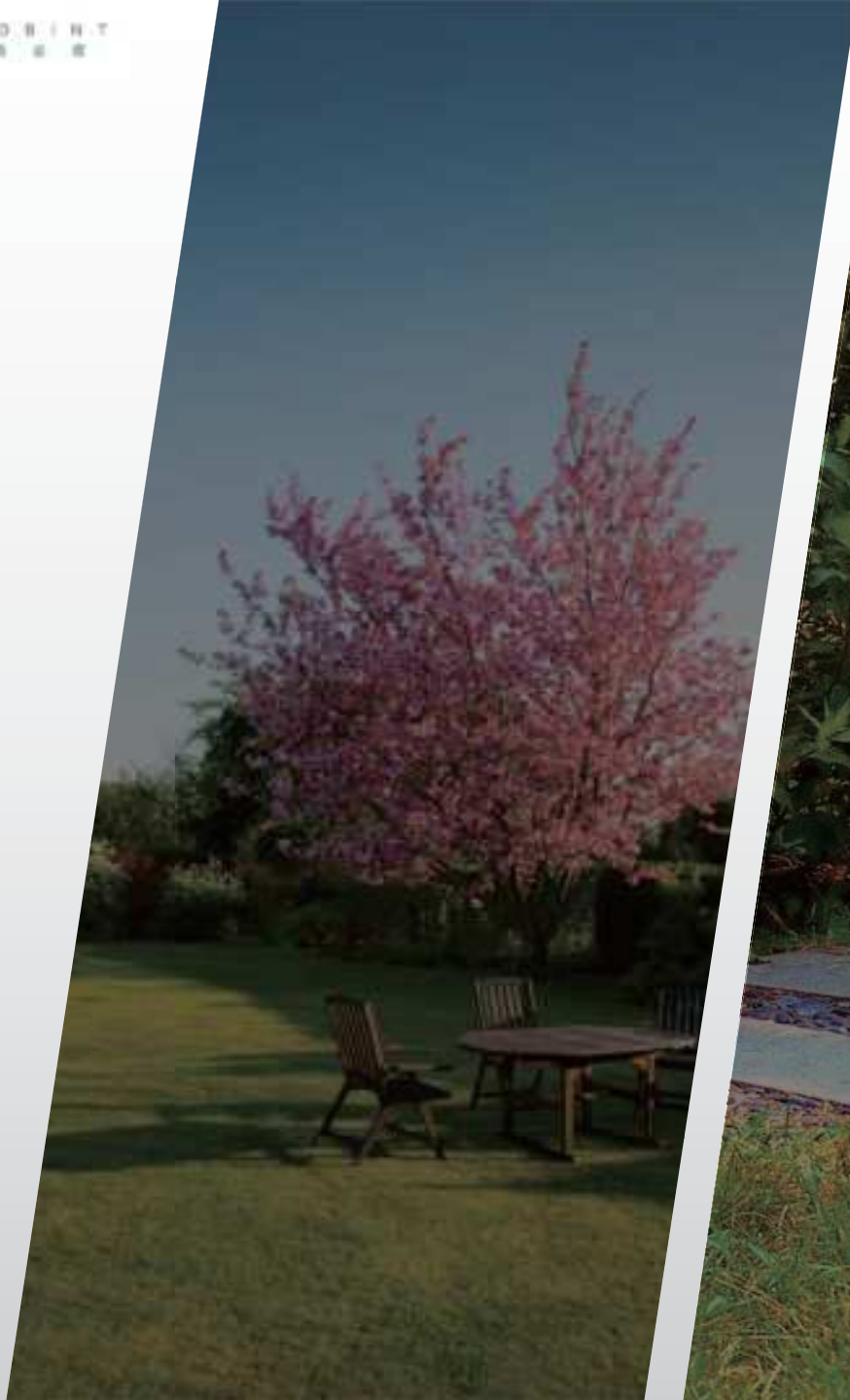
# Mecanum Omnidirectional wheels Powerful

Omnidirectional wheels

The omnidirectional lateral rotation is made available by 24 differently-sized rollers rotating independently, and 96 sturdy and smooth-turning bearings.



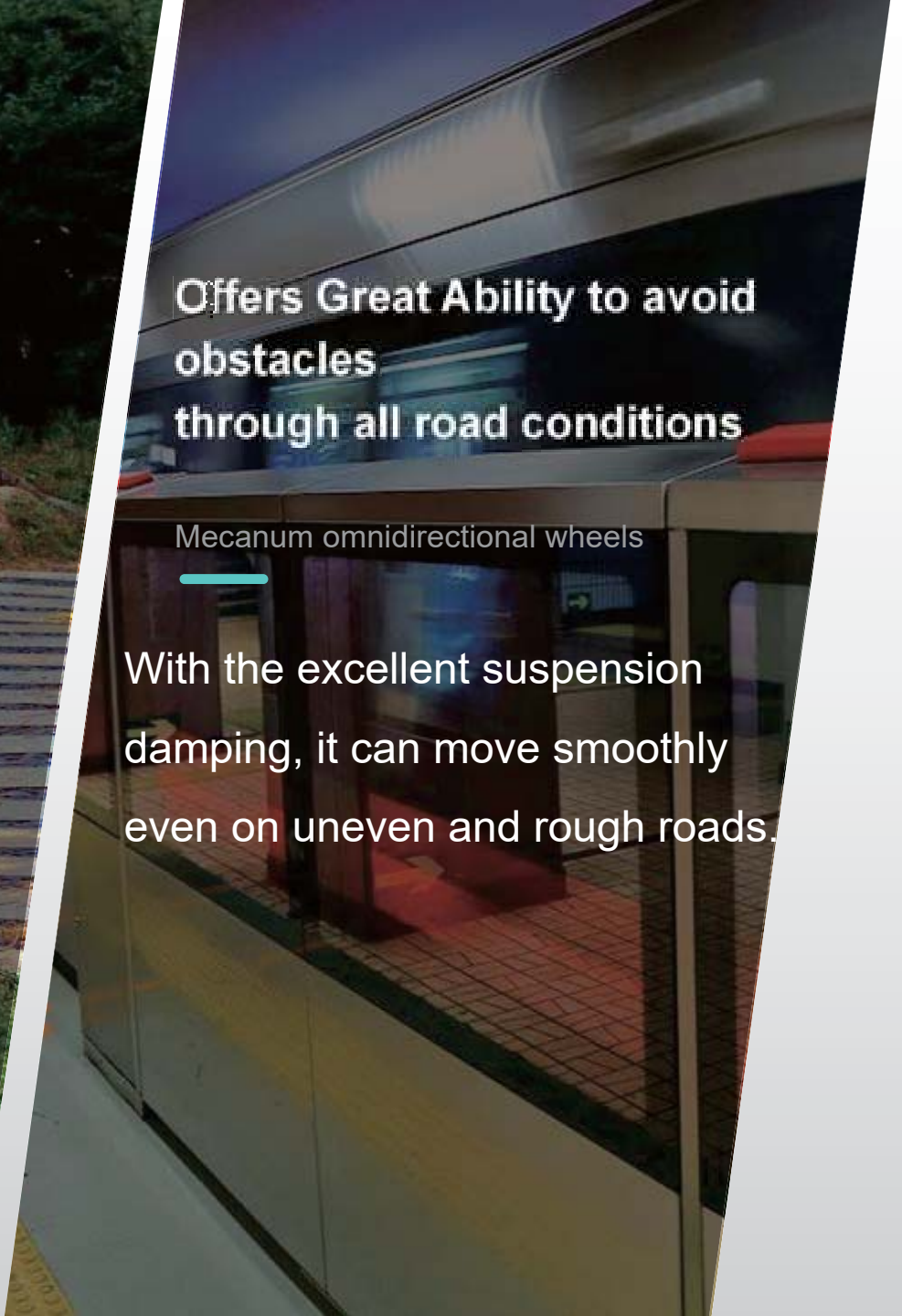




**Offers Great Ability to avoid obstacles through all road conditions**

Mecanum omnidirectional wheels

With the excellent suspension damping, it can move smoothly even on uneven and rough roads.







# Climbing /crossing Easily dealing with all kinds of roads

Mecanum omnidirectional wheels

Great Ability to avoid obstacles,  
Climbing a stair up to 6cm high  
Seamless transit between one transport  
means to another.  
Suitable for all road conditions







## Simple operation Convenient ride

Simple operation & Convenient ride

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Flexible and Ergonomic Joystick  
The user-friendly and compact design  
of Joystick and start button on one side  
for its control on one hand  
Easily learning, Simply operating,  
elderly-friendly

## With Surroundings Recognition and Intelligent obstacle avoidance

Intelligent obstacle avoidance

The fit-in LIDAR and depth camera  
can automatically recognize  
surroundings to avoid obstacles

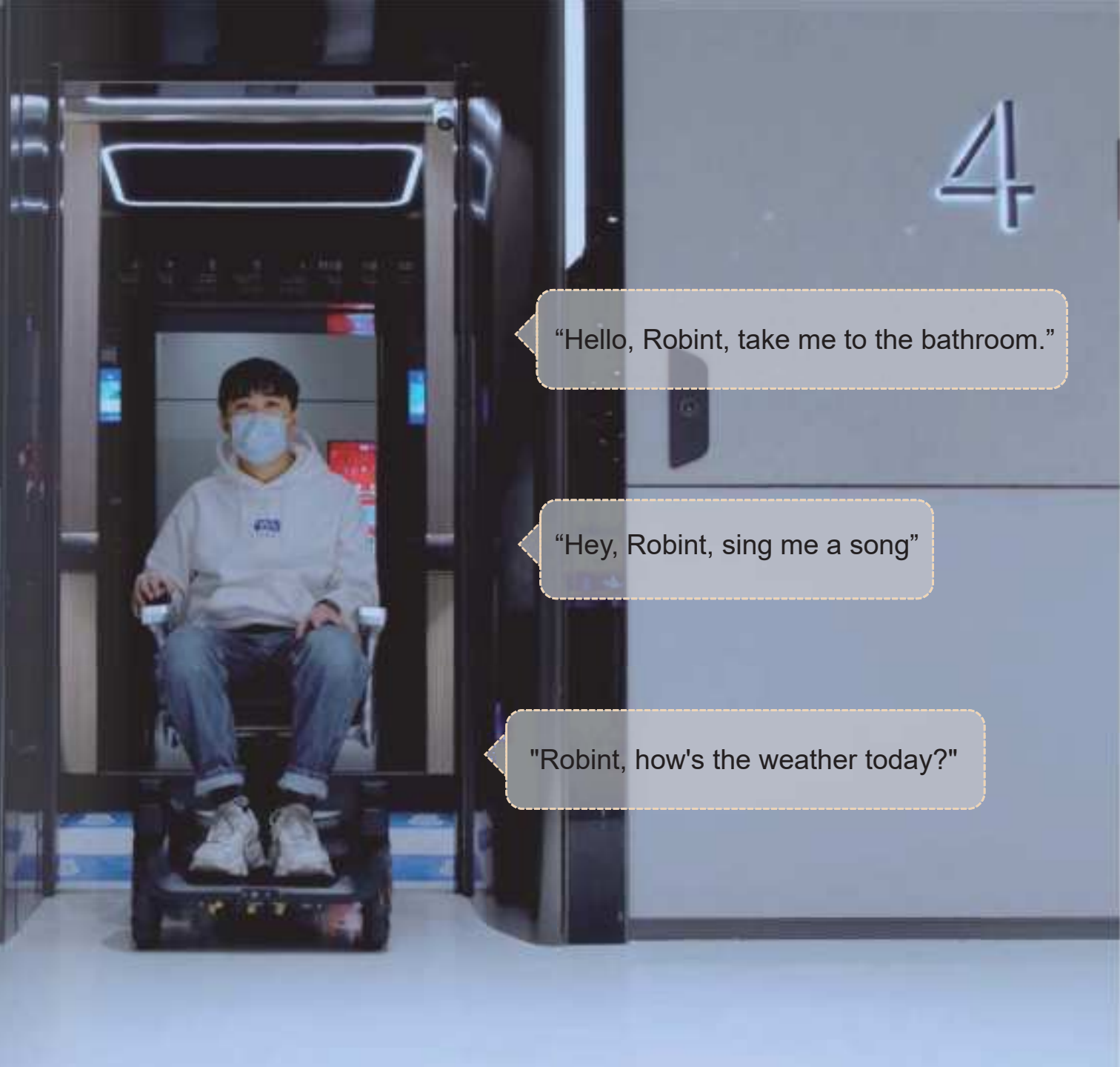


# A Smart Escort With Voice Interaction

Voice interaction

**The first-ever mobility-care robot with voice interaction.**

- Voice recognition: "Take me to xxx restaurant", "Go back to charge"
- Entertainment features for company: chatting, singing, weather broadcast, schedule reminder and so on.



"Hello, Robint, take me to the bathroom."

"Hey, Robint, sing me a song"

"Robint, how's the weather today?"





# SOS remote rescue system

SOS remote rescue system

There is a key SOS button under the operation panel, in case of an accident during driving or asking for help, push the button to remotely ask for help from your family and friends by sending text message to them.

## Easy to Disassemble, Easy to Store

Easy to disassemble, Easy to store

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Easy to disassemble and fold up

Compact and portable design for keeping it  
wherever you want.



# Long battery life, Travel guarantee

Long battery life, Travel guarantee

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Battery range : 20km;

Charging time: 5 hours;

Removable battery with availability on charge;

With a backup Battery to extend the range.



# Performance Parameter

Performance Parameter

Vehicle	
dimension:	1000*550*933mm
Cushion size:	460*420*mm
Weight:	55kg
Max. load capacity	150kg
Type of front wheel	Mecanum omnidirectional wheel
Type of rear wheel	Honeycomb solid tire
Front wheel diameter	250mm
Rear wheel diameter	250mm

Drive system	
Maximum speed	6km
Turning radius	76cm
Ground clearance	125mm
Cross-barrier height	6cm
Climbing angle:	<10°

Battery	
type	Lithium
Capacity	22Ah
Rated voltage	24V
Charging time	5h (the Smart Model with auto-docking on charge)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

FCC ID: 2A3PX-RAU1