

ORIONSTAR

LUCKI **PRO**

AI DELIVERY ROBOT

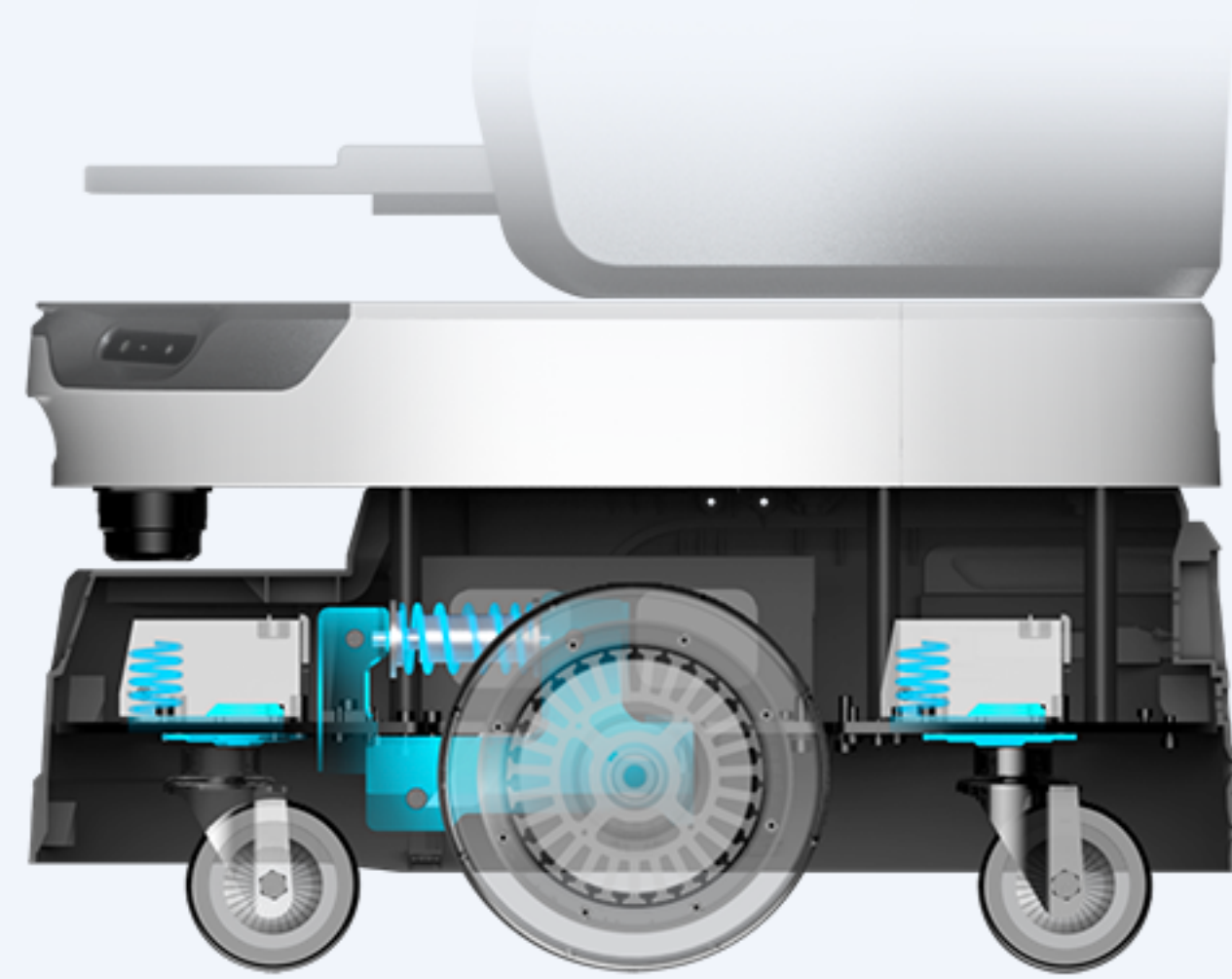
SUPERB & SAFER



en.orionstar.com

PRO DELIVERY EFFICIENCY

See Clearly, Walk Steadily



- High passability due to the quasi-circular chassis design.
- High adaptation ability, it suitable for various complicated ground environments since adopting the Torsion Bar Suspension for the first time.

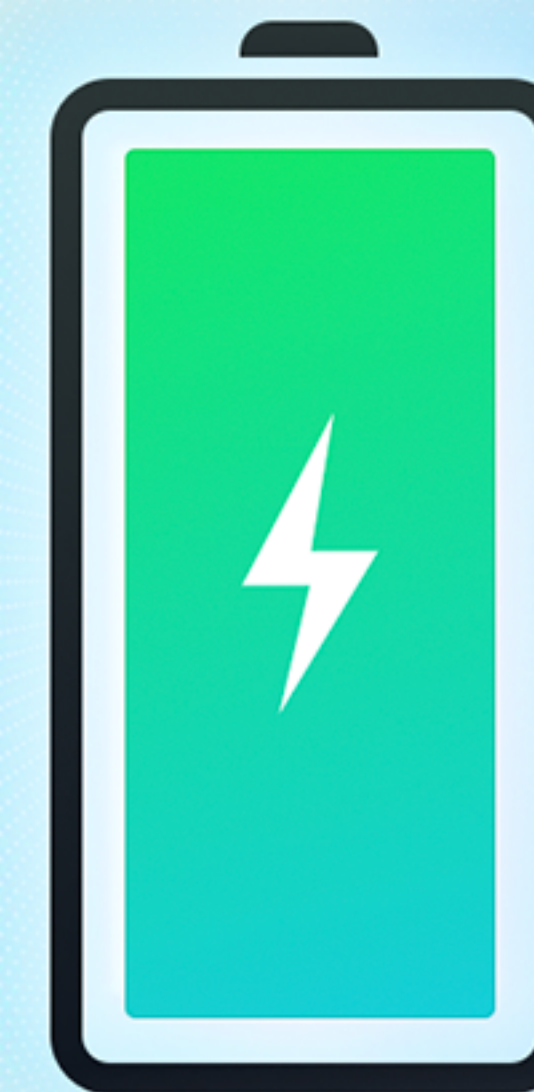


- 240° Lidar + 3D omnidirectional obstacle avoidance sensor achieves safer operation.
- RGBD*3 depth camera, tiny obstacles can be rapidly and precisely detected.



50% Improved Loading Capacity

- The single-layer loading capacity is up to 15 kg.
- Adjustable layer set supports up to four layers.



Large Capacity, Fast Charging

- The working time is up to 16 hours on a single charge.
- Get back to work quickly : within 4 hours the robot is fully charged.

PRO INTERACTION EXPERIENCE

1

Industry-Exclusive Dish Recognition Camera

- Automatically identify and broadcast dishes, bring you a new intelligent experience.
- Real-time background data analysis. Data Intelligence Management.

3

360-Degree Smart Ambient Lamp

- Quickly indicate and pick up.
- Enjoy joy and pleasure through presenting tempting dishes.

2

Immersive Human-Robot Interaction

- See clearly, with a 14.1-inch ultra-large 1080P full HD display.
- See clearly, 92% improvement in viewable area.
- See clearly, redesigned high-tech UI.

4

Precise and Rapid Voice Interaction

- Powerful AI voice capability, 6 Mic array, works smoothly even in environmental noises of 75dB.
- AI voice recognition accuracy is up to 90%.



PRO GREETING AND LEADING

- Intelligently recognize voice commands, independently plan the optimal path, efficiently lead you the way.
- Save your time since Lucki PRO will help you to the target table.



PRO PROMOTION ABILITY

- Broadcasting various ads. aimed to attract guests' attention.
- Display eye-catching videos and pictures on the screen.



PRO HIGH SCALABILITY

- Modular design, rich interface, easier and more convenient for modification.
- Developer-Friendly, open platform based on RobotOS, compatible with Android Code.



ALL SCENARIOS COVERED



Restaurant



Hotel



Nursing Home



Hospital



Club



Office

SPECIFICATION

General Parameters	Overall Size	525mm × 550mm × 1375mm
	Net Weight	47 Kg
	Color	Pearl white + Elegant black
	Body Material	High Strength PC+ABS (Food Grade Plastic Material)
	Screen Size	14.1-Inch, 1080P
Loading Capability	Loading Space	3 Layers
	Single Tray Load	15 Kg
	Max. Loading Capacity	Up to 60 Kg
	Moving Speed	0.5~1.2m/s (Adjustable)
System Performance	Hardware Platform	Qualcomm 8-Core Chip + Industrial Grade MCUs
	Operating System	Deep customized RobotOS based on Android 9.0
	Navigation System	Lidar *1 + 3D Depth Camera*3 + Mono Camera*2 + Top IR Camera*1 + Odometer + IMU*3
	Microphone Array	6 Microphone Arrays, 360° Sound Source Positioning, 5m Sound Range
	Battery Life	14~ 16 Hours (Based on actual working conditions)
	Positioning Accuracy	Centimeter Level
Network and Charging	Network Supports	4 G (Support TDD-LTE, FDD-LTE) WIFI (Support 2.4G/5G)
	Charging Mode	Charging via Cable (Standard), Automatic Charging Dock (Optional)
	Charging Time	4 H (Cable Charging), 4.5 H (Charging Dock)



INTRODUCTION

ORION STAR is a leading global service robot solution company founded in September 2016. It employs self-developed artificial intelligence technologies such as voice interaction, and visual navigation and integrates unique product development and technical application capabilities. ORION STAR has released ORION STAR AI Robot Greeting Mini and AI Delivery Robot Lucki. It has established the OrionOS, an open platform for Orion robots, and is driven to use AI technology to deliver customer service back to the table.



en.orionstar.com



global_business@orionstar.com



OrionStar Robotics