ORIONSTAR

AI DELIVERY ROBOT

LUCKIBOT PRO

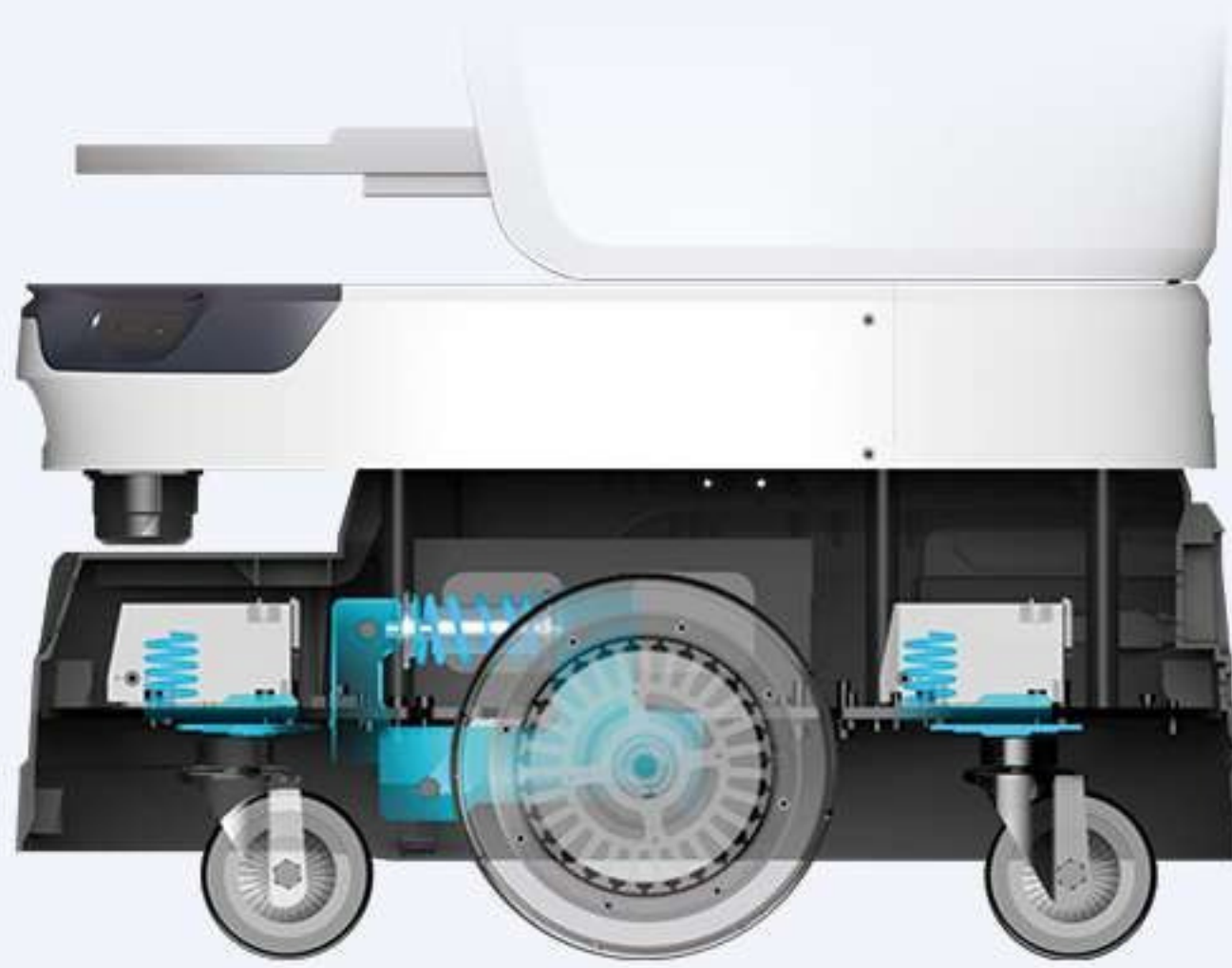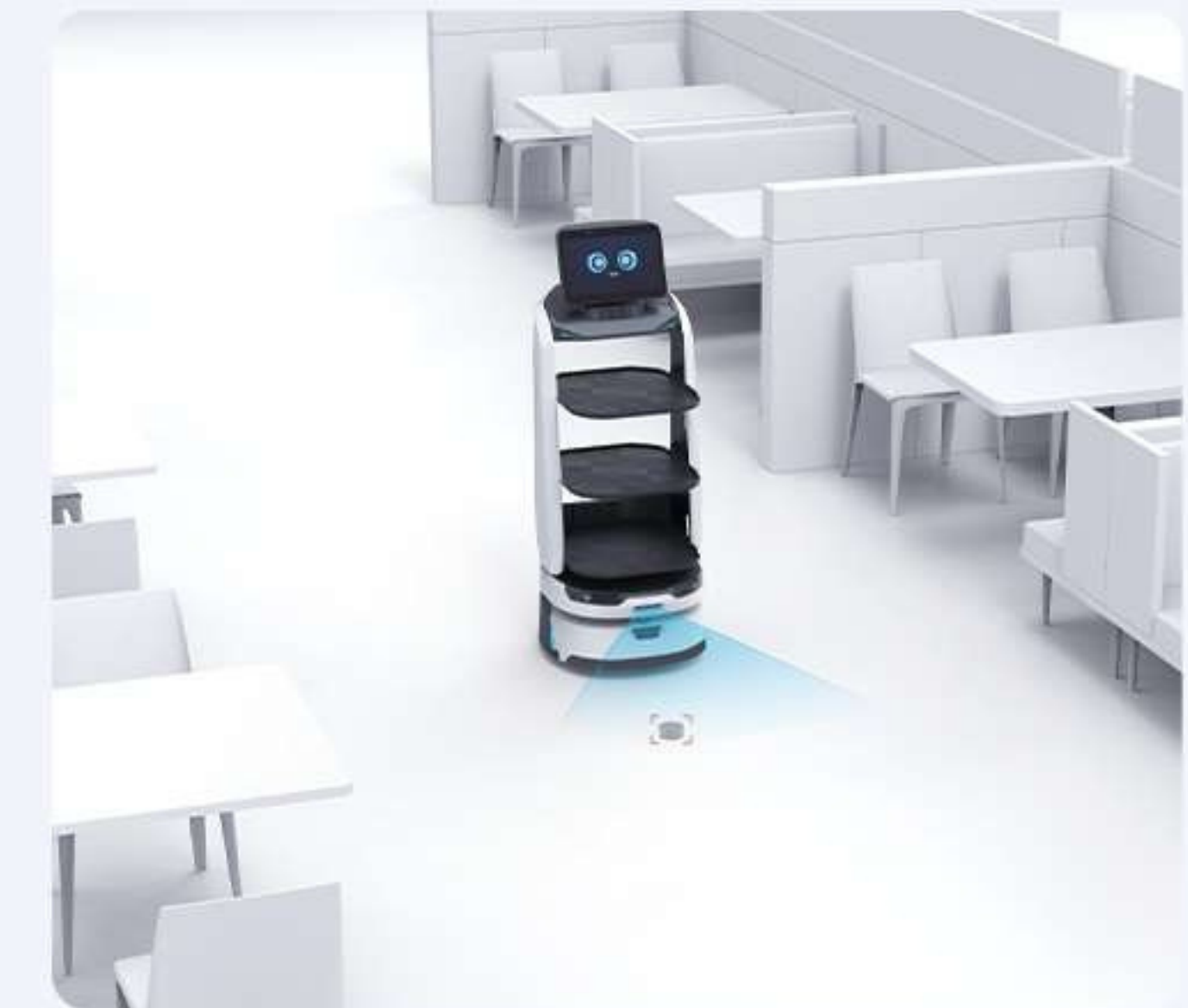## MORE THAN DELIVERY

Génération ROBOTS

PRO DELIVERY EFFICIENCY

See Clearly, Walk Steadily

- High passability due to the quasi-circular chassis design.

- High adaptability. By adopting the Torsion Bar Suspension for the first time, it becomes suitable for various complicated ground environments.

240° Lidar 3D 180% Obstacle Avoidance

- 240° Lidar + 3D omnidirectional obstacle avoidance sensor achieves safer operation.

- RGBD*3 depth camera can detect small obstacles quickly and accurately.

50% Improved Loading Capacity

- Max. loading capacity is up to 60 Kg with an adjustable set supporting up to 4 layers, each holding 15 Kg.

Large Capacity, Fast Charging

- LuckiBot Pro can operate for up to 16 hours on a single charge and can be fully recharged in just 4.5 hours by an automatic charging dock.

Efficient Collection Mode, Increased Productivity

- LuckiBot Pro excels in collecting and delivering goods, effortlessly handling heavy lifting, and minimizing round-trip time.

- Support one-time returns across multiple locations.

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.

2

Immersive Human-Robot Interaction

- See clearly, with a 14-inch ultra-large 1080P full HD display.
- See widely, 92% improvement in viewable area.
- See newly, redesigned high-tech UI.

3

360-Degree Smart Ambient Lamp

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

4

Accurate and Fast Voice Interaction

- Powerful AI voice capability, with a 6 Mic array that works seamlessly even in environments with up to 75dB of ambient noise.
- 94% accuracy rate for AI Voice Recognition.

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PRO GREETING AND LEADING

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

PRO PROMOTION ABILITY

- Broadcasting a variety of ads to capture the attention of customers.
- Display eye-catching videos and pictures on the screen.

PRO HIGH SCALABILITY

- Experience an extensive range of APIs for secondary development, available at just one-tenth of the industry standard cost.
- The most advanced chip in the AI industry, the software and algorithms are at least one year ahead of competitors.

| ALL SCENARIOS COVERED

Restaurant   Supermarket   Factory   Nursing Home   Hotel   Club   Office   Hospital

SPECIFICATION

General Parameters	Overall Size	525 mm × 550 mm × 1375 mm
	Net Weight	59 Kg
	Color	Pearl white + Elegant black
	Body Material	High Strength PC+ABS (Food Grade Plastic Material)
	Screen Size	14-Inch, 1080P
Loading Capability	Loading Space	3 Layers
	Single Tray Load	15 Kg
	Max. Loading Capacity	Up to 60 Kg
	Moving Speed	0.5 ~ 1.2 m/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, 360º Sound Source Positioning, 3 m 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 2.4 G/5 G）
	Charging Mode	Automatic Charging Dock
	Charging Time	4.5 Hours

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