INCROBOTICS

AI DELIVERY ROBOT

LUCKIBOT PRO
AUTODOOR

LOCKED, DELIVERED, TRUSTED

incrobotics.com

SPECIFICATION

General Parameters	Overall Size	558 mm × 525 mm × 1375 mm
	Net Weight	69 Kg
	Color	Pearl white + Elegant black
	Body Material	High Strength PC+ABS (Food Grade Plastic Material)
	Screen Size	14-Inch, 1080P
Loading Capabilit	Loading Space	2 Layers
	Single Tray Load	20 Kg
	Single Tray Storage Space	Max: 410* 480* 315mm, 69L
	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 + Depth Vision Sensors*3 + Fisheye Camera*1 + Infrared Camera*1 + Odometer + IMU*1
	Microphone Array	6 Microphone Arrays, 360° Sound Source Positioning, 5m Sound Range
	Battery Life	12 H (typical cruising scene)
	Positioning Accuracy	Centimeter Level
Network and Charging	Network Supports	4G (Support TDD-LTE, FDD-LTE) WIFI (Support 2.4G/5G)
	Charging Mode	Automatic Charging Dock
	Charging Time	4.5H

STABLE AND EFFICIENTLY DELIVERY

See Clearly, Walk Steadily

240° Lidar 3D 180%
Obstacle Avoidance
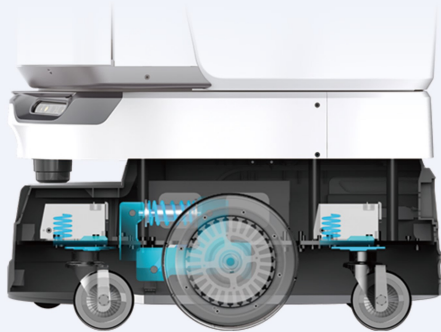
- High passability due to the quasi-circular chassis design.
- High adaptability. By adopting the Torsion Bar Suspension for the first time, it becomes suitable for various complicated ground environments.

The robot, outfitted with three RGBD cameras and LiDAR, can precisely identify obstacles and individuals, enabling it to reach its destination safely and seamlessly even in tight spaces.

Impressive Load Capacity

- Equipped with two compartment boasting a 69-liter ultra-large storage space for each tray, it delivers an unmatched delivery experience.

Large Capacity, Automated Charging

- The battery life has been boosted by 30% Through automatic charging, significantly enhancing the robot's resilience across diverse scenarios.

Efficient Delivery with Superior Productivity

- Benefiting from the spacious compartment of the LuckiBot Pro Autodoor, tasks can be consolidated into a single trip, minimizing the need for multiple round trips.

- Emphasizing hygiene and privacy, it can efficiently deliver to two locations with a single directive, eliminating waiting times through its automatic return functionality.

FUNCTION DETAILS

1
Auto Smart Password Lock

Controlled by a password, only authorized users can open the door, ensuring the robot's safety.

2
14-inch 1080P Screen

- See clearly, 14-inch ultra-large display.
- See widely, 92% improvement in the viewable area.
- See newly, redesigned high-tech UI.

3
Four-fold Eagle-wing AutoDoor

Smooth and flexible door opening with a minimum 80cm rotational radius, ideal for tight spaces.

4
Precise and Rapid Voice Interaction

The LuckiBot Pro Autodoor equipped with cutting-edge AI voice recognition and ChatGPT capabilities.

Please enter your password

1 2 3
4 5 6
7 8 9
0 OK

ORIONSTAR

PRODUCT CORE CAPABILITY

Interaction Capabilities

The LuckiBot Pro Autodoor, with AI features for human interaction, improves service quality by handling inquiries, supporting multiple languages, and providing superior customer care.

Safety Opening and Anti-Pinch Feature

The LuckiBot Pro Autodoor is equipped with a safety opening system. In the event of pinching, the door automatically opens to ensure safety.

Marketing and Promotion

Tailored to industries and locations, the robot uses displays and voice prompts to promote products and events to customers.

High Customizability

The LuckiBot Pro Autodoor offers high customizability, allowing customization of functions based on customer preferences.

Computer-Free Mapping

Effortlessly create and edit maps directly from the robot's touch panel, eliminating the necessity for a PC.

Remote Operation and Management

Without the need to be on-site, a wide range of remote management tasks such as adjusting settings, editing maps, and monitoring daily operational status can be performed on the robot remotely.

ALL SCENARIOS COVERED

Restaurant　　Karaoke　　Factory　　Nursing Home　　Hotel　　Golf Club　　Office　　Hospital