

Mobile Delivery Robot

The latest autonomous indoor/outdoor robot can be used for deliveries and security patrols across a wide variety of industries and environments.



**SMART
MODULAR
DESIGN**

www.ragroup.com.au
powered by OTSAW



Security
Patrol
Model



One Robot - Many Purposes

The latest RA-MR mobile robot can be used indoors and outdoors for intralogistics and perimeter security.



Features



Fleet Management and Control System

Centralized FMCS software facilitates seamless collaboration and coordination in a robotic fleet, ensuring dynamic task allocation and real-time monitoring.



LCD Digital Touch Screen Display

An intuitive interface enhances user experience, enabling seamless item retrieval and providing an added security feature.



Live Audio and 2-Way Intercom

Enhances customer support through direct line of communication, providing immediate assistance without physical presence.



360° Video Recording

Ability to capture incidents 24/7 allows for documenting and analyzing evidence in cases of dispute, ensuring transparency and accountability at all times.



Omni-Wheels and Differential Drive

Provides improved maneuverability and better energy efficiency, including the ability to make tight turns.



Certified Lithium-Ion Phosphate Batteries

UL and CE certified, meeting rigorous safety and quality standards, ensuring enhanced safety, longer cycle life, and thermal stability.



3D Lidar and Ultrasonic Sensors

Enable obstacle detection and avoidance to ensure safe and intelligent path planning, and enhancing efficiency in the overall navigation process.



Fail-Safe Braking System

Ensuring the robot stays securely anchored at all times, preventing any unintended rolling even on slopes in the event of a power cut.

DELIVERY ROBOT

Specifications

Dimensions	95cm x 68cm x 145cm (LxWxH)
Weight	Approx. 105kg (without module)
Max Payload	up to 50kg
Max Speed	up to 5kph
Battery Type	Lithium-Ion Phosphate (LiFePO4)
Battery Capacity	21Ah / 48V (1kWh)
Operating Time	up to 8hrs
Charge Time	3hrs (full charge)

APPLICATIONS (Customizable Options):



Toiletries
Delivery



Welcome
Reception Snacks



Waste
Delivery



Food
Delivery



Luggage
Delivery Service

3D LIDAR for localisation,
mapping and 360-degree
obstacle detection

Camera

3D Camera (front and back)
for obstacle detection

Multi-sensor fusion,
intelligent path planning,
dynamic obstacle avoidance

LiFePO4 Battery



Inter-changeable Module
(up to 50KG payload)

LCD Touch Screen Display

2-Way Intercom

Ergonomic and Friendly Design

Emergency Stop Button

Differential Drive

powered by OTSAW

Robotic Automation

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All drawing dimensions in mm. Technical data may be subject to change without previous notice.
Please request detailed drawings at webenquiry@ragroup.com.au

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