



# A4C - Pro

## Smart Cleaning Robot

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Overview

The ALLBOTIX A4C PRO is a state-of-the-art autonomous delivery robot engineered to streamline food service and hospitality operations. Featuring a sleek, modern design and advanced navigation technology, the A4C PRO efficiently delivers food and beverages directly to customers, ensuring quick, safe, and contactless service. With a suite of high-tech sensors, the robot can expertly navigate through crowded areas, avoid obstacles, and complete deliveries with precision. Ideal for use in restaurants, hotels, and other large-scale venues, the A4C PRO enhances operational efficiency, reduces human labor, and elevates the overall customer experience in fast-paced, tech-forward environments.



# AI-Powered Autonomous Cleaning Robot



AI Spot Scrubbing



AI Real-Time Cleaning Performance Detection



AI Cleaning Intensity Control



AI Components Self-Monitoring



4 in 1 Versatile Cleaning



VSLAM+ Positioning



AI-driven Perception



IEC 63327 Certification



Restaurant



Hotel



Nursing home



Office



Karaoke



Hospital



Shopping Mall



Internet Bar



Customizable

AI expert & Best Cleaner

Extremely Cute Design

Multimodal Intersection

Safe and Stable Movements

## Elevator Control Module

**Autonomous lift ride:** The robot can call the lift to ride the lift and identify the floor autonomously without human intervention, improving the robot's efficiency.

**Lightweight transformation approach:** The module adopts a lightweight transformation approach, without controlling, damaging or participating in the internal systems of the lift, making it an independent and safe lift IoT solution.

**Ensures safety and stability:** The module completes the robot ride process by simulating human behavior, ensuring the safety and stability of the lift's internal systems.



## Carpet Vacuuming Assembly

**Powerful cleaning:** Simulated air chamber design provides stronger, better, and superior cleaning power.

**Floor Cleanliness Monitoring:** Detects cleanliness levels and automatically switches modes—eco mode for clean areas, deep cleaning for dirty spots to optimize energy and water use.

**Floor Type Detection:** Automatically adjusts cleaning modes based on floor type—activates sweep-and-vacuum on hard floors and switches to vacuum-only on carpets for effective dust and debris removal.

**Material:** ABS+PC

**Width:** 515mm

**Stubborn Stains Detection:** Detects stubborn stains and boosts cleaning power as needed, ensuring deeper, more thorough cleaning.



## Docking Station

**Auto water refill and discharge:** The Dock Station provides support for automatic cleaning agent addition and drainage, which facilitates the automation of the water replenishment process for the Allbotix A4C and enhances its cleaning effectiveness and quality.

**Auto power charging:** The Dock Station has the capability to supply automatic charging for the Allbotix A4C, thereby guaranteeing the robot's sustained operation and augmenting its productivity.

**Multiple safety protections:** The Dock Station possesses numerous safety mechanisms, ensuring the secure and stable operation of the Allbotix A4C, and enhancing the robot's overall reliability and stability.

**Flexible scheduling:** The Dock Station furnishes the Allbotix A4C with a flexible scheduling system, that enables it to respond promptly to the operational commands, thus improving its efficacy and facilitating ease of operation.



|                             |   |
|-----------------------------|---|
| <b>Robot Size</b>           | 629 x 552 x 695 mm  |
| <b>Cleaning Width</b>       | 500 mm  |
| <b>Robot Weight</b>         | 75 Kg   |
| <b>Cleaning in 1 Hour</b>   | 1,500–3,000 m <sup>2</sup> /h   |
| <b>Charging Time</b>        | About 3 h   |
| <b>Battery Life</b>         | Scrubbing: 5h, Sweeping & Vacuuming: 5h<br>Carpet Vacuuming: 4h, Silent Mopping: 9h   |
| <b>Cruise Speed</b>         | 0.2 m/s ~ 1.2 m/s (0.66 ft/s ~ 3.94 ft/s) (Adjustable)  |
| <b>Cleaning Efficiency</b>  | 700-1000 m <sup>2</sup> /h (837.19-1195.99 yr <sup>2</sup> /h) (All-covered Cleaning)<br>1500-3000 m <sup>2</sup> /h (1,793.99–3,587.97 yd <sup>2</sup> /h) |
| <b>Navigation Algorithm</b> | 360 Lidar, RGBD sensor, Camera, Visual + Laser SLAM   |

# Reference videos

[Click here to see the videos](#)

## Installation Training

Rich and diverse training methods and materials

## After Sales Service

IOT (The Internet of things) solves more than 90% of technical problems

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# THANK YOU