

FlashBoT-MAX

Autonomous Secured Delivery Robot



FlashBot Max is a versatile building delivery robot capable of operating in semi-outdoor environments. It is designed to utilize elevator systems with unprecedented mobility, and is equipped with PUDU VSLAM+ navigation engineered specifically for semi-outdoor environments.

Unlike traditional delivery robots, the FlashBot Max excels at indoor delivery and seamlessly navigates complex semi-outdoor areas such as garden corridors, fitness zones, and poolside areas, delivering exceptional human-robot interaction.

Product Overview



Cloud & Hardware Solutions
for Elevator Control



VSLAM+ Semi-Outdoor Delivery



Multiple Compartment
Access Verifications



Rapid Multi-Floor Deployment

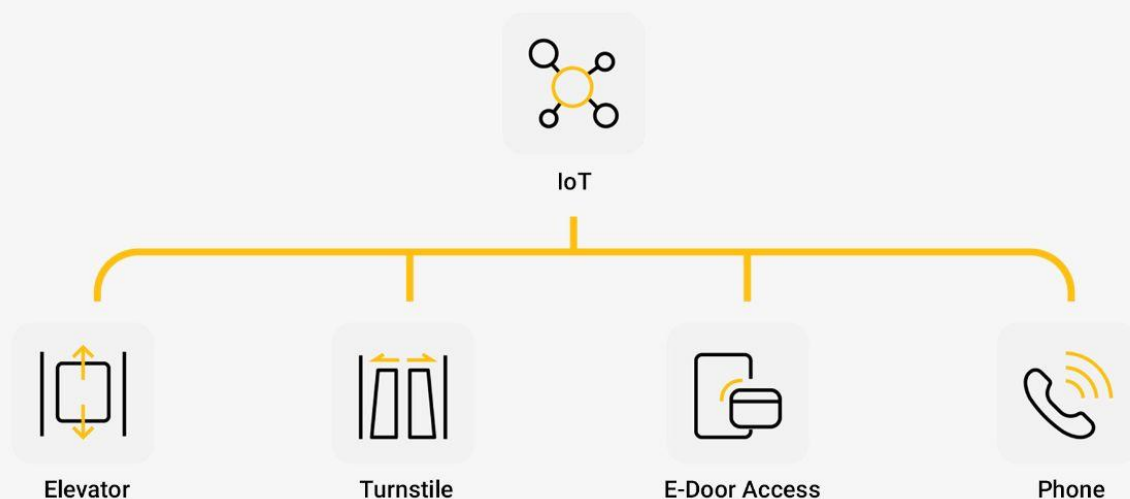


Full-Scope IT Integration



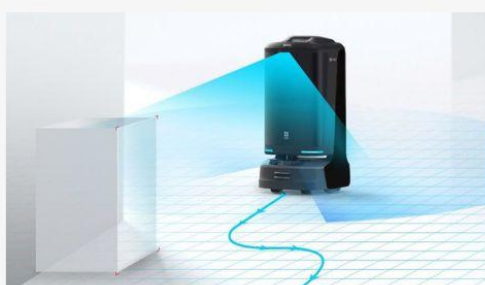
Modular Adjustable
Compartments

What Makes FlashBoT Max a Better Delivery Robot?



Upgraded Auto-Level Suspension

The newly upgraded auto-level 6-wheel independent linkage suspension can adjust the damping based on different floor conditions, so that the robot can always remain in the optimal stable state. Surmount obstacles of 2cm high and gaps of 3.5cm wide, offering 50% higher operating stability.



3D Obstacle Avoidance

2 RGBD cameras & customized lidar empower FlashBot with sensitive perception to detect obstacles as low as 3 cm and suspended obstacles at a height of 70 cm from the floor, making it ideal for dynamic environments with many obstacles.



70 CM Superior Passability

With a minimum clearance of 70 cm, FlashBot can navigate through the passages in 99.9% of building scenarios.

Product Specs



Specification

Machine dimension

Machine Weight

Payload

Machine material

Compartment space

Charging time

Run-time

Navigation method

Cruise speed

Details

21.18*21.02*41.42 in | 538*534*1052 mm

132.28 lbs | 60 Kg

22.05 lbs/layer

ABS/Aviation-grade aluminum alloy

2-4 compartments (Adjustable)
7.3616.1411.02 in | 187*410*280 mm (Single)
14.9616.1411.02 in | 380*410*280 mm (Double)

4H

9H

VSLAM + Lidar SLAM

1.64ft/s~3.94ft/s | 0.5~1.2m/s (Adjustable)

