

FlashBot Max

AI Multi-Floor Delivery Robot · by **Pudu Robotics** · supplied & supported in the UK by **GO Robotics**

ROOM SERVICE



FlashBot Max is the model that leaves the restaurant floor and goes to the guest — through lifts, past turnstiles, across gardens and up to the bedroom door.

Deliveries travel inside **2 to 4 lockable compartments**, released only on password, phone-number or NFC verification — so late-night orders, medication, keys and valuables move through a building unescorted. Lift integration works with major lift brands and **requires no modification to the lift itself.**

2–4

LOCKABLE CABINS

60 cm

MINIMUM AISLE

9 h

RUNTIME

10 kg

PER LAYER

KEY CAPABILITIES

- 1 Autonomous lift travel**
Cloud-based and hardware lift control, compatible with major lift brands including KONE and OTIS. No mechanical modification to the lift is required.
- 2 Three ways to verify a recipient**
Password entry, phone-number verification or NFC tap. The compartment opens only for the correct guest, and every collection is recorded.
- 3 Doors, turnstiles and gates**
IoT integration lets it call lifts, open automatic doors and pass access control without a human intervening at any stage of the journey.
- 4 Semi-outdoor navigation**
VSLAM+ is engineered for the parts of a hotel that are neither fully indoors nor outdoors: garden corridors, poolside areas and covered walkways.

Designed for privacy

Because compartments are enclosed and locked, the contents are not visible in lifts or corridors — a requirement in healthcare, and increasingly an expectation in hospitality.

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PHYSICAL	
Dimensions (L × W × H)	538 × 534 × 1052 mm
Weight	60 kg
Compartments	2 – 4, adjustable
Single compartment size	187 × 410 × 280 mm
Double compartment size	380 × 410 × 280 mm
Payload	10 kg per layer
Hygiene	Continuous compartment fan ventilation
MOVEMENT	
Cruise speed	0.5 – 1.2 m/s (adjustable)
Minimum passage width	600 mm
POWER	
Runtime	9 hours
Charging time	4 hours
Charging	Autonomous docking on low battery

5 Ventilated, hygienic compartments

Continuous fan ventilation in the compartments eliminates odours and inhibits bacteria between deliveries — important when the same cabin carries food, then linen, then medication.

WHERE IT FITS

- **Hotels & resorts** — late-night room service, minibar and amenity requests
- **Guest floors** — towels, toiletries, chargers and forgotten items
- **Hospitals & clinics** — medication, supplies and laboratory samples
- **Care homes** — discreet delivery direct to residents' rooms
- **Offices & corporate** — parcels, post and IT equipment between floors
- **Serviced apartments** — keys, documents and small valuables
- **Semi-outdoor resorts** — garden corridors, poolside and fitness zones

SENSING & NAVIGATION	
Navigation	VSLAM+ and LiDAR SLAM
Environment	Indoor and semi-outdoor
Obstacle avoidance	3D, multi-sensor fusion
Multi-floor	Rapid multi-floor map replication
BUILDING INTEGRATION	
Lift control	Cloud-based and hardware; KONE / OTIS compatible
Lift modification	Not required
Access control	Automatic doors, turnstiles, gates
Automatic calling	Robot can be summoned by IoT devices
SECURITY & MANAGEMENT	
Recipient verification	Password, phone number, NFC
Fleet scheduling	Multi-robot coordination with intelligent avoidance
Management platform	Real-time monitoring and remote operation

6 Rapid multi-floor mapping

Map one floor, then replicate it across identical floors rather than surveying each one from scratch. A full guest tower can be commissioned in a fraction of the usual time.

SUPPLIED BY GO ROBOTICS

- Free site survey and written recommendation
- Installation, mapping and commissioning
- On-site staff training and documentation
- Charging dock and accessories as specified
- Fleet management platform access
- UK-based support, diagnostics and warranty

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