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INDUSTRIAL PRODUCT DATASHEET

Hermes - Cross Floor Moving Robot Platform

Hermes robot platform enables autonomous cross-floor delivery and patrol with integrated elevator control, advanced obstacle avoidance, and cloud-based multi-robot collaboration for commercial environments.

SKU	UPDATED	PRICE
110090341	2026-04-09 12:04:36	$5600.00(Excl. VAT)



Overview



Hermes is a cross-floor moving robot platform featuring SLAMTEC proprietary localization, 360° lidar and depth camera navigation, and Smart Elevator 3.0 for autonomous elevator riding. It supports smart delivery, patrol, disinfection, and reception applications in hotels, restaurants, buildings, hospitals, and airports, with rich port options and high scalability.

Key Features

Features

- Integrated elevator control and cross-floor delivery
- Laser vision and high intelligence
- Smart body; ramps climbing and gaps passing
- Rich port options and high scalability

Description

Hermes robot platform features a built-in proprietary SLAMTEC core localization and navigation. Using 360° lidar and 2 depth camera systems, the robots can realize industry-leading autonomous movement and stable localization and navigation functionality specifically optimized for commercial service scenarios such as smart delivery, disinfection, and patrol.

Hermes provides the innovative Smart Elevator 3.0 solution, which allows elevator self-riding and obstacle avoidance in cross-floor buildings. SLAMTEC also provides one – stop services of elevator control system installation and on-site services to help developers quickly verify and realize the deployment of robot applications.

- **Cross-Floor Moving Solution, Smart Delivery**

Hermes is equipped with SLAMTEC's proprietary cross-floor moving solution, which is capable of automatically swapping between different floor maps. The robot provides cross-floor path-finding and obstacle avoidance functionality to realize smart delivery for commercial scenarios such as hotels, restaurants, buildings, and commercial centers.

- **Smart Elevator Control for Self-Ride Elevators**

Hermes supports the integration of SLAMTEC's smart elevator control solution with most elevators on the market. Hermes can monitor elevator statuses in real time, supports multiple elevator call modes, and realizes smart robot calling and self-riding.

- **Multiple Depth Cameras for Blind Spot-Free Path-Finding**

Hermes is supported by lidar navigation and equipped with multiple depth camera sensors, 360° full range navigation and obstacle avoidance, zero blind spots, with stable and reliable localizing and navigating performance.

- **Dedicated Safety Sensor**

To ensure safety in complex and dynamic environments, Hermes provides collision avoidance and boundary sensors to eliminate the collision and falling risks of obstacles such as steps, and bar tables and chairs.

- **Built-In Standalone Scalable Android System, No Hardware Required**

The built-in scalable Android system of Hermes helps save costs as it does not require additional hardware or computing resources.

- **Highly Reliable Path-Finding and Strong Adaptability to Environmental Changes**

Hermes uses SLAMTEC's proprietary localization and navigation system to provide cutting-edge and highly reliable path-finding functionality. Hermes is capable to work correctly in many complex environments, such as heavily changing environment (ex. changing rate up to 60%), and the environment full of active obstacles (ex. people).

- **Super Obstacle Avoidance Functionality**

With the superior structural and algorithmic design, Hermes features 20° ramp passing capability with excellent performance, even on thick carpet surfaces. The ability of Hermes to avoid an obstacle up to 20 mm in height makes it adaptable to a variety of scenarios.

- **Simple Deployment, Easy O&M, and One-Stop Service Installation and On-site Configuration**

Built on SLAMTEC's autonomous localization and navigation solution, Hermes does not require scenario-based adjustment or QR code navigation. SLAMTEC provides users of the Hermes with professional backend cloud services, and installation and on-site configuration scenarios for smart elevator control hardware. SLAMTEC's professional technicians provide on-site, one-stop, zero-deployment, simple O&M, and worry-free services.

- **Cloud Layer Multi-Robot Collaboration + Multi-Point Delivery Support**

Hermes supports local area network (LAN) and cloud platform collaborative operations, along with the dynamic adjustment of both speed and delivery routes in accordance with the environment to realize efficient, safe, and reliable multi-point delivery.

- **Other Hermes Features**

Rich port options and high scalability

Windows/Linux/Android/iOS Platform Development Supported

No Network Restrictions

Autonomous Recharging

5G Dual-Band Wi-Fi

Remote Cloud Management

Specifications

Hermes Schematic Diagram

Application Scenarios

- Hotel Delivery
- Restaurant Delivery
- Building Delivery
- Commercial Patrol
- Hospital Disinfection
- Commercial Buildings
- Airport Reception

Part List

Product Gallery



Specification

Product Specifications				
Name		Hermes		
Core Features		Integrated Elevator Control for Autonomous Self-Riding		
		Moving Tasks for Cross-Floor Buildings		
		SLAM Localization and Navigation		
Item	Index	Value		
Mass and Volume	Length x Width	545 x 465 mm		
	Height	272 mm (excludes controller)		
	Weight	40 kg (excludes controller)		
	Max Load	60 kg		
Sensor Performance Parameters	Lidar Sensor	Max Scan Radius	25 m (Standard), 360°	
		(90% Reflective Rate)	30 m (Optional), 360°	
	Depth Camera Sensor	Quantity	2 units	
		Detection Range	0.2m-10m	
		Field of View (FOV)	H: 135°	V: 58°
	Boundary Sensor	Quantity	2 units	
		Min Detection Range	1 cm	
	Bumper Sensor	Quantity	2 units	
		Trigger Method	Physical Collision	
	Embedded IMU Sensor	Robot Status Detection		
Mapping Performance	Map Resolution	5 cm		
	Max Mapping Area	500 x 500 m		

Motion Parameters	Max Move Speed		1.5 m/s (Default: 1.2 m/s)
	Max Cross Angle		20°
	Passing Obstacle Height		2 cm
	Passing Obstacle Width		4 cm
	Min Pass Range		80 cm
User Port	Hardware Port	Ethernet	1x RJ45 Gigabit Ethernet Port
		Power Supply	25 m (Standard), 360° 30 m (Optional), 360°
		Wi-Fi	2 units
		4G	0.2m-10m
		SIM card slot	H: 135° V: 58°
		HDMI	2 units
		Audio	1x 3.5mm Headset Socket
			1x LINE_MIC Audio Jack (Colay with headset socket)
			1x Dual-Channel 5w / 8Ω Amplifier Jack
		Type-C	Type-C
			Standard USB 3.0 Type-C Port
Motion Parameters	Capacity Specifications		16Ah (Standard) 25Ah (Optional)
	No-Load Operating Time		7.5h (16Ah) 11.5h (25Ah)
	Charging Time		3h-4h
	Power Dissipation in Stand-By Time		24W
	Battery Life		600 complete charge and discharge cycles before 60% capacity reduction.
	Charging Station		25.5V 6A
Operating Environment	Operating Temperature		'-10℃ to +50℃
	Operating Humidity		0%rh to 90%rh (no condensation)

Applications

- **Hotel Delivery**
- **Restaurant Delivery**
- **Building Delivery**
- **Commercial Patrol**
- **Hospital Disinfection**
- **Commercial Buildings**
- **Airport Reception**

Part List

Hermes-Cross-Floor Moving Robot Platform	1

Compliance & Logistics



HSCODE	8428904000
USHSCODE	8428900390
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Hermes-Cross-Floor-Moving-Robot-Platform-p-5189.html
- SLAMTEC Hermes datasheet v1.0
- SLAMTEC_Hermes_usermanual_v1.0

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