

MULTI-TASKING AI ROBOT

SERV BOT V8 Smart Service Robot



FEATURES

Smart AI Robot for serving guests at restaurants, cafes, hotels, cloud kitchens, offices, retails, nursing homes, etc. a perfect replacement for routine services, allowing staff to focus more on customer service

Innovative self-pickup function facilitated by an interactive built-in touch screen display, LED tray indicators and audio-visual prompts

Shock absorbing chassis ensures spill free delivery, expanding the range of deliverable food types and broadening the scope of usage scenarios

Extended battery life that lasts for up to 12 hours, ensuring uninterrupted operations during the working hours

Advanced VSLAM sensor for effortless deployment and navigation ability, enhanced obstacle avoidance with LiDAR & stereo vision sensors to move safely & swiftly in various environments

Multi-robot collaboration allows up to twenty robots work together in the same place for a synchronized service experience

24/7 working mode with auto charging function, when the power is low or during idle time it promptly finds the optimal path to the charging interface and pair up for battery recharge

Multiple Applications Areas :



Restaurants



Hotels



Cloud Kitchens



Hospitals



Offices



Retail

SERV BOT V8

System and Function	System	Linux(Control) & Android(Interact)
	App Language	English
	App Functions	Food & snacks delivery, samples tasting at retail store, direct and multi point delivery, welcome mode
	Expression	3 types
	Voice Reminder	Different voice prompt in different working mode and general operation
Performance	Maximum Coverage Area per Device	8000m ²
	Minimum Passage Width	70cm
	Moving Speed	0.1~0.8 m/s adjustable
	Braking Distance	50 cm
	Slope Angle	≤ 5°
	Battery Life	12h - 15h
	Service Life Circle	20000h
	Multi-robot Collaboration	Maximum 20 robots
	Multi-point Delivery	Up to 20 tables(Single journey)
	Intelligent Obstacle Avoidance Maximum Detect Range	≤1.5 M
	Rated Power	50 W
Battery and Charging	Battery Type	Ternary lithium battery
	Battery Capacity	DC48V, 12Ah
	Charging Mode	Automatic charging with the bundled charging pile and manual charging by recharger
	Charging Input	100-240V~,50/60Hz
	Charging Time	4h (Robot powered on, from 0% battery)
	Charging Pile Dimension	215x290x230mm
	Charging Pile Weight	2.2kg
Hardware	Machine Material	ABS and aluminum alloy
	Positioning Method	Sensor fusion(LiDAR and VSLAM Sensor)
	Positioning Accuracy	Centimeter grade
	Sensors	LiDAR, stereo vision sensor, VSLAM sensor, IMU (Inertial measurement unit)
	Sensor Coverage	Lidar detection range: 216°, <=20 m; 3D stereo vision range: 140°, 0.1- 1.5 m
	Network	Wi-Fi(2412-2472MHz)
	Touch Screen	11.6 inch(1080P)
	Interactive Ability	Light/Touch
Environment	Operating Temperature	0°C - 40°C
	Humidity	RH: 5% - 85%
	Operating Environment	Indoor environment, flat ground, no dust
	Storage Temperature	-30°C-60°C
Mechanical	Robot Dimension(W x D x H)	500x527x1266mm
	Robot Weight	45.2Kg (Charging pile is not included)
	Tray Amount	3
	Space of Each Layer	First layer: 486x384x195mm 2nd and 3rd layer: 486x384x166mm
	Tray Access	Open access from the front and the rear
	Load Capacity	40Kg(10Kg for each layer, including the bottom layer without tray)
	Package Contents	Robot x 1, Silicone Pad x 3 , Battery Recharger x 1, Product Manual x 1, Dishpan x 1, Charging Pile x 1

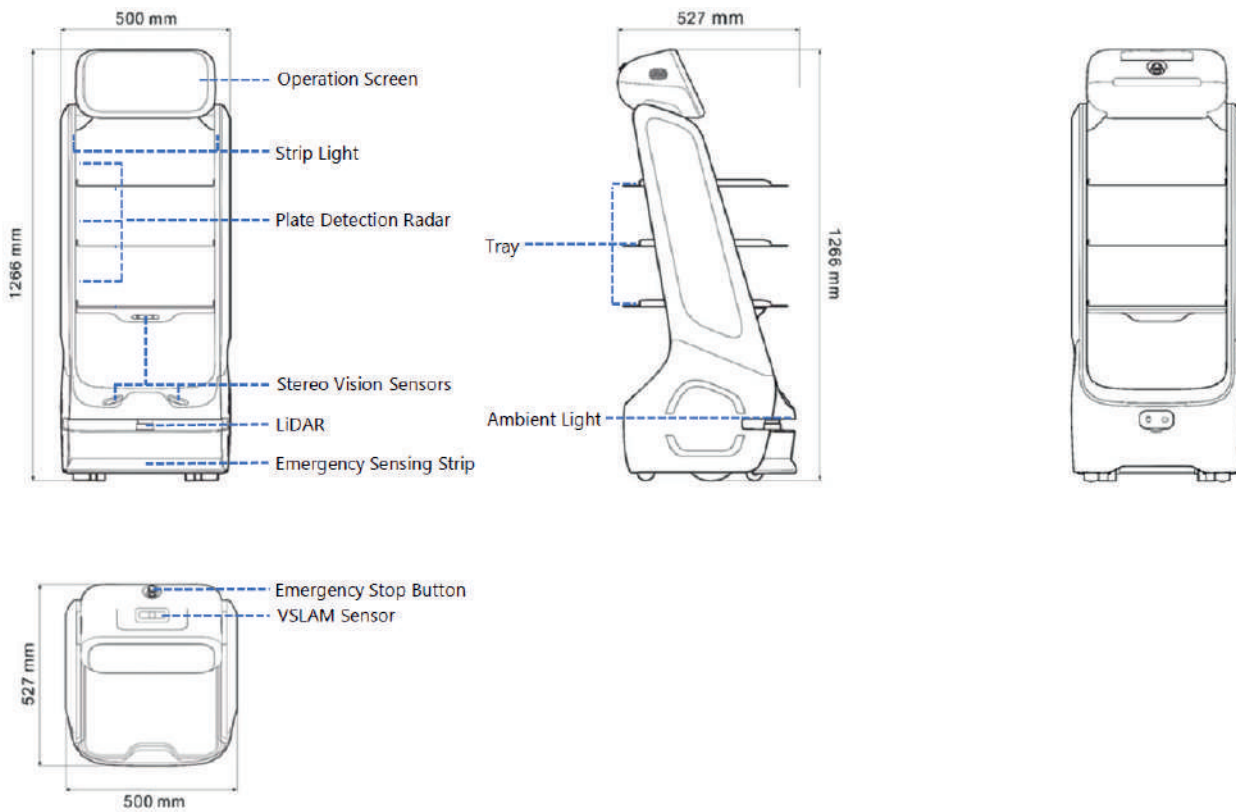
*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary due to customized solutions & products being offered as per customer requirements.

TECHNICAL SPECIFICATIONS

SERV BOT V8

DIMENSIONS

Unit: mm



VANTAGE ROBOTS IS A REGISTERED BRAND UNDER PARENT COMPANY:

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