

MULTI-TASKING AI ROBOT

SERV BOT V9 Smart Steward Robot



FEATURES

Advanced AI based Robot, suitable for multiple applications such as serving guests at a restaurants or hotels, welcome and navigate guests at events, lounges and retail spaces and also for advertising in airports, showrooms and malls

Extraordinary navigation ability to move swiftly in narrow space making it versatile for various environments

User friendly operation with built-in full HD 11.3" display screen to screen to engage users intuitively

Advance VSLAM sensor for deployment and precise navigation through fusion sensor with LiDAR

Enhanced safety with stereo vision sensors for obstacles avoidance

Seamless automated experience with intelligent self-pickup guided by plate detection sensors, tray indicators, voice prompts and visual guidance

Equipped with 23.8" full HD display screen allows dual advertising modes for interactive marketing

Multiple Applications Areas :



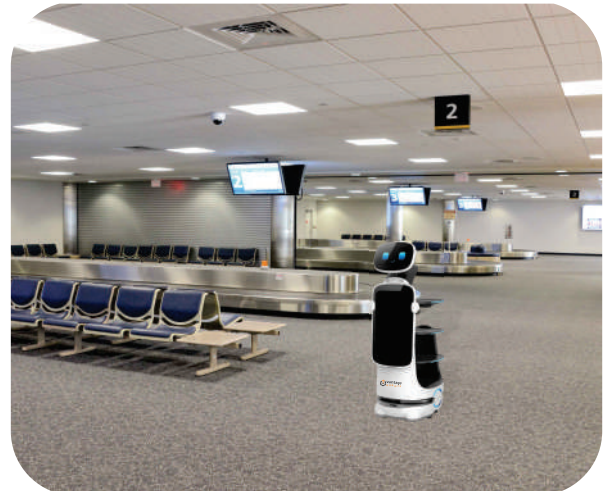
Restaurants



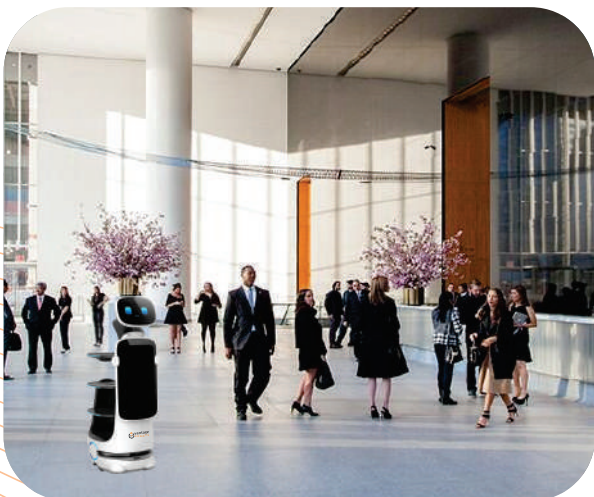
Hotels



Shopping Malls



Airports & Lounges



Events



Office Building

SERV BOT V9

System and Function	System	Linux(Control) & Android(Interact)
	App Language	English
	App Functions	Restaurant table delivery, multiple deliveries, dishes return service, advertising and greeting with smart interaction, navigation and escorting, events and celebrations
	Expression	3 types
	Voice Reminder	Different voice prompt in different working mode and general operation
Performance	Maximum Coverage Area per Device	200 x 200 m ²
	Minimum Passage Width	58.5 cm
	Moving Speed	0.1~1.0 m/s adjustable
	Braking Distance	70 cm(Moving Speed 0.8 m/s and Full Load on dry road)
	Slope Angle	≤ 5°
	Battery Life	6h - 8h
	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	110 W
Battery and Charging	Battery Type	Ternary lithium battery
	Battery Capacity	DC25.9V, 20.8Ah
	Charging Mode	Automatic charging with the bundled charging pile and manual charging by recharger
	Charging Input	100-240V~,50/60Hz
	Charging Time	5h
	Charging Pile Dimension	305*220*146mm
	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: 240°,<=25 m; Stereo Vision range: 300°,<= 1.5 m; VSLAM Sensor, ceiling height required 2-6 m
	Network	Wi-Fi: 2412-2472MHz, max 17.73dBm; ESP01: 2412-2472MHz, max 17.65dBm
	Touch Screen	11.6 inch(1080P)
	Advertisement Screen	23.8 inch(1080P)
	Interactive Ability	Light/Touch
Environment	Operating Temperature	0℃ - 40℃
	Humidity	RH: 20% - 80%
	Operating Environment	Indoor environment, flat ground, no dust
	Storage Temperature	-15°C-45°C, RH: 20% - 80%
Mechanical	Robot Dimension(W x D x H)	485.7 x 554.5 x 1398.8mm
	Robot Weight	58 Kg
	Layer Amount	4
	Space of Each Layer (W x D x H)	First layer: 485 x 410 x 240mm 2nd layer: 485 x 410 x 215mm 3rd layer: 485 x 410 x 205mm
	Tray Access	Open access from the front and the rear
	Load Capacity	40Kg (10Kg for each layer)
	Package Contents	Robotx1, Silicone Padx4 , Battery Rechargerx1, Charging Pile x , Package Contents 1, Product Manual x1

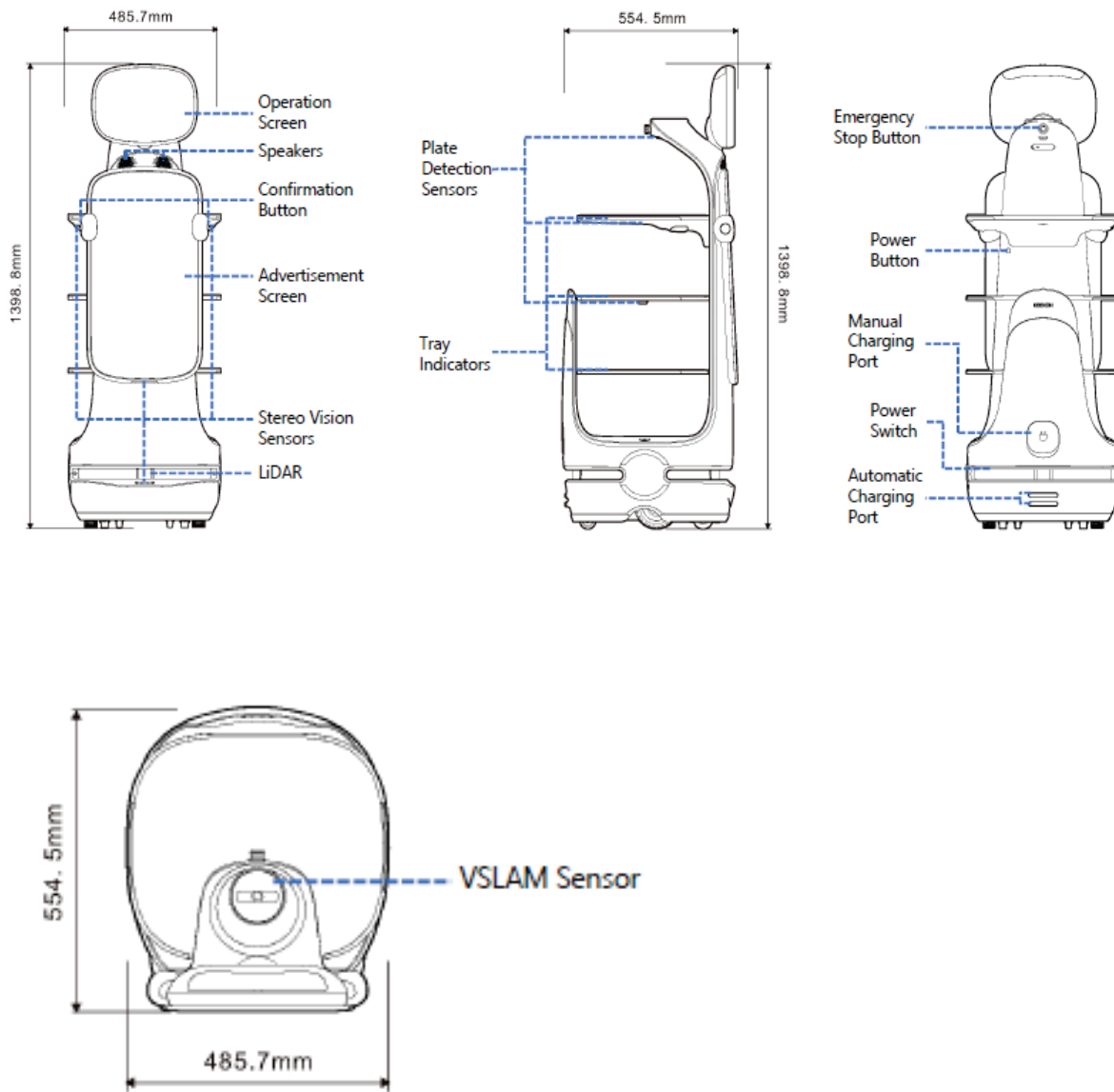
*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary due to customized solutions & products being offered as per customer requirements.

TECHNICAL SPECIFICATIONS

SERV BOT V9

DIMENSIONS

Unit: mm



VANTAGE ROBOTS IS A REGISTERED BRAND UNDER PARENT COMPANY:

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