Product Specifications

Berrybot Plus

V1.0

AMR

Type

AMR

Project	Berrybot Plus	Remark
Shape		
Type	Warehouse robot	
Product name	Berrybot Plus	
Size	692*462*1387mm	
Rotation diameter	1032mm	
Max payload	200kg	
Self-weight(including battery)	60kg	
Accessories	Charger	Automatic / Manual charging
	8inch tablet	Control terminal (touch operation)

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Accessories

Project	Charger	Remark
Shape		
Input voltage	100V～240V	
Maximum input power	500W	
Charging voltage	54.6V	

Project	Automatic charging pile	Remark
Shape		
Size	410mm*340mm*274mm	
Input voltage	100V～240V	
Maximum input power	500W	
Charging voltage	54.6V	

Performance specifications

Project			Remark
Ground requirements	Ground requirements	Concrete floor or floor paint	
	Minimum ground flatness	6mm / 0.5m	
	Maximum tolerance (height difference)	3mm	
	The maximum tolerance of the slot	10mm	
	Maximum slope	3°	
Navigation	Navigation path	SLAM+VSLAM	
	Navigation mode	Free navigation	
	Mapping and positioning functions	Support	
	Motion planning and navigation control function	Support	
Flexibility	Maximum straight speed	1.4m/s	
	Maximum speed	1.0rad/s	
	Laser navigation accuracy	±5cm	
	Enhanced positioning accuracy	±1cm	
Applicable channel width	Minimum channel width	900mm	
	U-turn channel width	1100mm	
	Double car width	1800mm	
Driving wheel	Material	Rubber + metal	
	Size	Diameter 165mm	
Casters	Material	Rubber + metal	
	Size	Diameter 50mm	

Power supply	Battery	Lithium iron phosphate	
	Capacity	48V/20Ah	
	No load operation	10H	
	Charging time	2.5H	
	Battery Life	1000 charge and discharge cycles or 3 years	
	Charging method	Automatic / Manual	
	Battery output capacity	20A	
Security function	Emergency stop button	On / Off	
	Insurance laser scanner	None	
	Bumper switch key	Support	
Operation interface	Touchscreen	Support	8inch tablet
	Button	Touch	
Applicable environment	Applicable ambient temperature range	0℃～+45℃	Ensure the robot's work area is flat, dry, clean, and rain-free.
	Applicable ambient humidity range	0%～80%	
	Operating environment	For indoor use only, no excessive dust or corrosive gas.	

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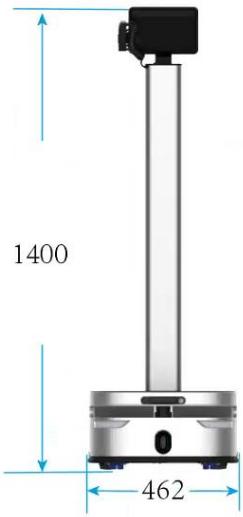
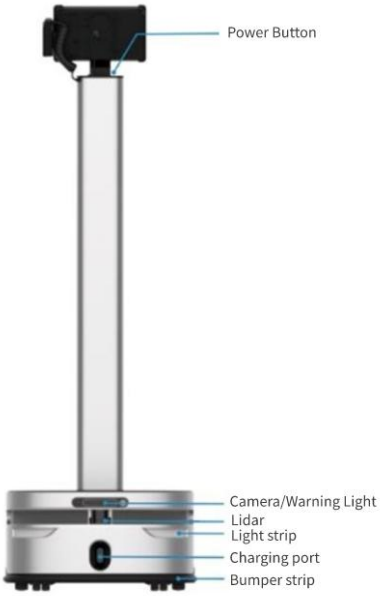
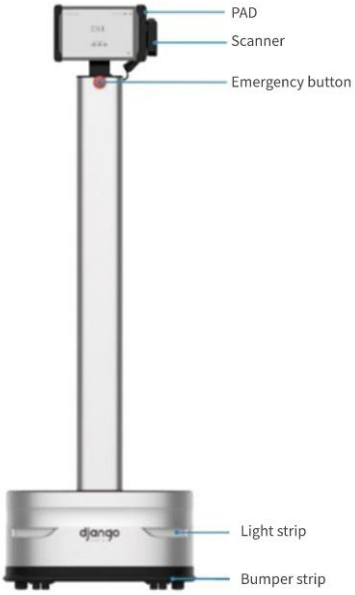
External Dimensions



Names and Functions