

Camel-1500-SP1.1 潜伏移动机器人



Features:

- **Positioning and Navigation:** Employs a fusion of navigation technologies including QR code navigation and laser SLAM navigation for precise positioning;
- **Motion Control:** Utilizes dual-wheel differential drive, supporting multiple motion control modes such as forward, backward, and rotation;
- **Power Management:** Supports multi-level power threshold control, allows for setting the minimum charging level, and supports idle-time charging control;
- **Safety Protection:** Supports front/rear dual-laser obstacle avoidance, contact-based edge collision detection, emergency stop button, and Safety protection measures;
- **Human -Machine Interaction:** Equipped with a touchscreen and audible and visual alarms indicating the equipment's current operating status;
- **Control Methods:** Supports automatic, manual, and remote control;
- **Cargo Handling:** Supports lifting, moving, and rotating of goods with a maximum load of 1500kg , and offers customized load capacity , Features adaptable to various application scenarios;
- **Network communication:** Wi-Fi network communication and seamless roaming, supporting 5G network expansion;

Application industries:

It supports goods-to-person handling in e-commerce, 3C electronics, tobacco, pharmaceuticals, and other industries, and can be used as an extension platform to customize load attachments to meet the needs of multiple application scenarios.

QR code spacing:

The reference bar spacing is 1000*1000 (mm), and it supports unequal bar spacing arrangements.

Technical parameters

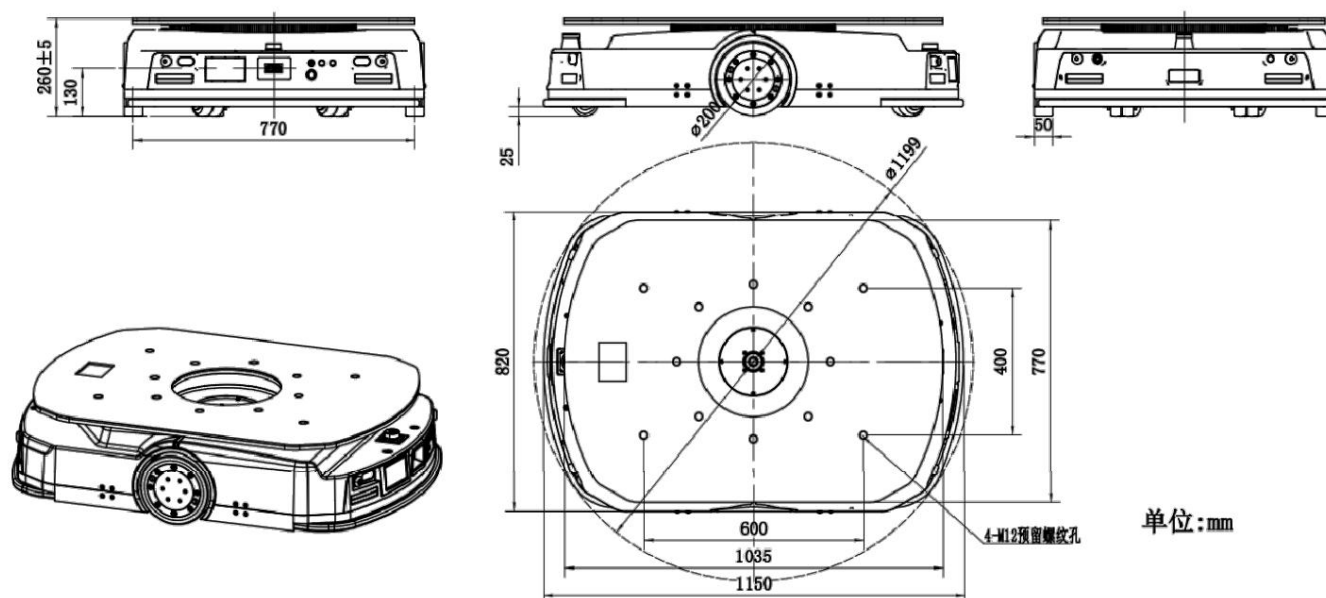
model		Camel-1500-SP1.1	
Basic parameters	External dimensions: L*W*H	1150*820*260 (±5)	mm
	Rotation Diameter	1199	mm
	Self-respect	200	Kg
	Maximum load	1500	Kg
	Chassis ground clearance	25	mm
	Lifting panel size	1030*770	mm
	Human-computer interaction methods	Touchscreen (5in)	Optional
	Lift drive	electric	/
	Lifting height	60	mm
sports performance	Rated operating speed/no load	1.7	m/s
	Rated operating speed / Rated load	1.5	m/s
	Acceleration No-load	0.6	m/S ²
	Acceleration Rated Load	0.3	m/S ²
	Rotation speed/no load	60	°/s
	Rotation speed/full load	30	°/s
	driving method	Dual-wheel differential	/
Location Navigation	Navigation methods	Laser SLAM or QR code /	
	Parking position accuracy	±10	mm
	Parking angle accuracy	±1	°
Battery	Battery Type	Lithium iron phosphate	
	Capacity/Rated Voltage	50/48	Ah/V
	Number of charge-discharge cycles	Fully charged and discharged 1500 times	
	Rated operating range	8	h
	Charging time after full discharge	≤1.5	h
Safety protection	Front LiDAR	Installation height (scanning surface): 198.5	mm
		Front radar opening angle 250	°
	Rear LiDAR installation height (scanning surface): 190		mm

	Rear radar opening angle 180°		°
	3D visual obstacle avoidance	Optional	/
	Emergency stop button	Quantity: 4 / 1 at the front and 1 at the back	
	Contact protection	piezoelectric contact switch	/
	Audible and visual alarm	Standard configuration	/
Passability	Chassis damping methods	Dual-stage floating chassis	/
	Climbing ability	≤5%/3°	%/°
	Step capability	≤5	mm
	Trench crossing ability	≤30	mm
The above- mentioned positioning accuracy is based on data obtained under ideal conditions; Positioning accuracy is affected by factors such as the on-site environment, shelf and vehicle dimensions, and docking conditions. The actual accuracy data should be taken as the standard.			

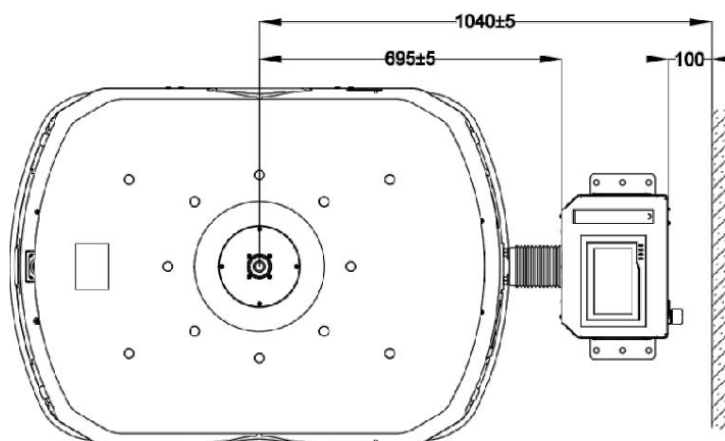
Operating environment requirements

Indoor Environment	
Ground conditions	The best surface material for AGVs to travel on is hard cement or conductive plastic.
	The ground where AGVs operate must be free of iron filings, oil stains, and corrosive liquids.
	To avoid seams in the driving path, the maximum seam size should not exceed 10mm.
	The ground slope should not exceed 2.8°, and at parking points requiring precise positioning, it should not exceed 1°.
	Based on the requirements for braking safety distance and handling positioning accuracy, the coefficient of ground sliding friction should not be less than 0.5
temperature	Operating area temperature: -10℃ to 40℃ Charging area temperature: 0℃~40℃
Humidity: Relative humidity 10%~90% - no condensation	
Signal	Wi-Fi 2.4G/5G dual band Wireless signal coverage strength is higher than -70dBm

External dimensions



Optional accessories



Optional accessories

Accessories	model	illustrate
charging pile	Eh-4850-C1-130-0	
Handheld Charger Eh-4810-C1-S		
slope	MR607X-7 (Length 216cm * Width 84.5cm)	
Debugging tools	WDT-V1.0	