



Latent Lifting AMR for
Smart Factories & Warehouses



YK-100-L AMR

100 kg Rated Load

额定负载 100kg

6 h Operating Time

额定工况续航6h

QR Code / Laser Navigation

二维码/激光导航

Flexible Motion

双轮差速柔性运动

Multi-level Safety Protection

多重安全防护



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Features

功能特性

- **Autonomous positioning and navigation:** Utilizes inertial navigation, QR code navigation, and other technologies to achieve precise positioning.
自主定位导航:采用惯性导航、二维码导航等技术实现精确定位。
- **Flexible motion control :** Adopts a dual-wheel differential drive, supporting forward, backward, and rotational movements, with smooth and compliant motion.
柔性运动控制:采用双轮差速驱动,支持前进、后退、旋转等运动控制,运动过程平滑柔顺。
- **Intelligent power management:** Supports multi-level battery threshold control; automatically initiates recharging when the battery level is low, and automatically returns to work after charging is completed.
智能电源管理:支持多等级电量阈值控制,低电量时自主充电,完成充电后自主返回工作。
- **Multiple safety protections :** Equipped with front-mounted laser obstacle avoidance, mechanical collision detection, an emergency stop button, and other multi-level safety features to ensure safe and reliable motion control.
多重安全防护:前置激光避障,机械碰撞检测,急停按钮等多级安全防护,实现安全可靠的运动控制。
- **Small goods handling :** Supports lifting, transporting, rotating, and lowering of loads up to 100 kg.
小型货物搬运:支持100kg货物举升、搬运、旋转、下放。
- **Wireless network communication :** Supports Wi-Fi communication and seamless roaming, enabling trouble-free operation within network coverage areas.
无线网络通信:支持WIFI网络通信和无缝漫游,网络覆盖区域无障碍运行。



Technical Parameters

技术参数

Model / 型号	YK-100-L
Overall Parameters / 整机参数	
Overall Dimension (l1*b1*h1) 外形尺寸(长l1*宽b1*高h1)	650*460*288(mm)
Rotation Diameter 旋转直径	683(mm)
Self Weight 自重	70(kg)
Rated Load 额定负载	100(kg)
Actuator / 执行机构	
Lifting Height 举升高度	70(mm)
Lifting Mechanism Type 举升机构类型	Electric / 电动
Lifting Platform Size 举升台面尺寸	580*400(mm)
Chassis Parameters / 底盘参数	
Ground Clearance 底盘离地间隙	15(mm)
Drive Mode 驱动方式	Differential Drive 差速驱动
Motion Performance / 运动性能	
Rated Travel Speed (No Load) 额定运行速度(空载)	2.5 (m/s)
Rated Travel Speed (Rated Load) 额定运行速度(额定负载)	1.5 (m/s)
Rated Acceleration (No Load) 额定加速度(空载)	1 (m/s ²)
Rated Acceleration (Rated Load) 额定加速度(额定负载)	0.5 (m/s ²)
Rotation Speed (No Load) 旋转速度(空载)	300 (°/s)
Rotation Speed (Rated Load) 旋转速度(额定负载)	60 (°/s)
Positioning Accuracy 位置精度	±10 (mm)
Angular Accuracy 角度精度	±1(°)
Gradeability 爬坡度	3(°)

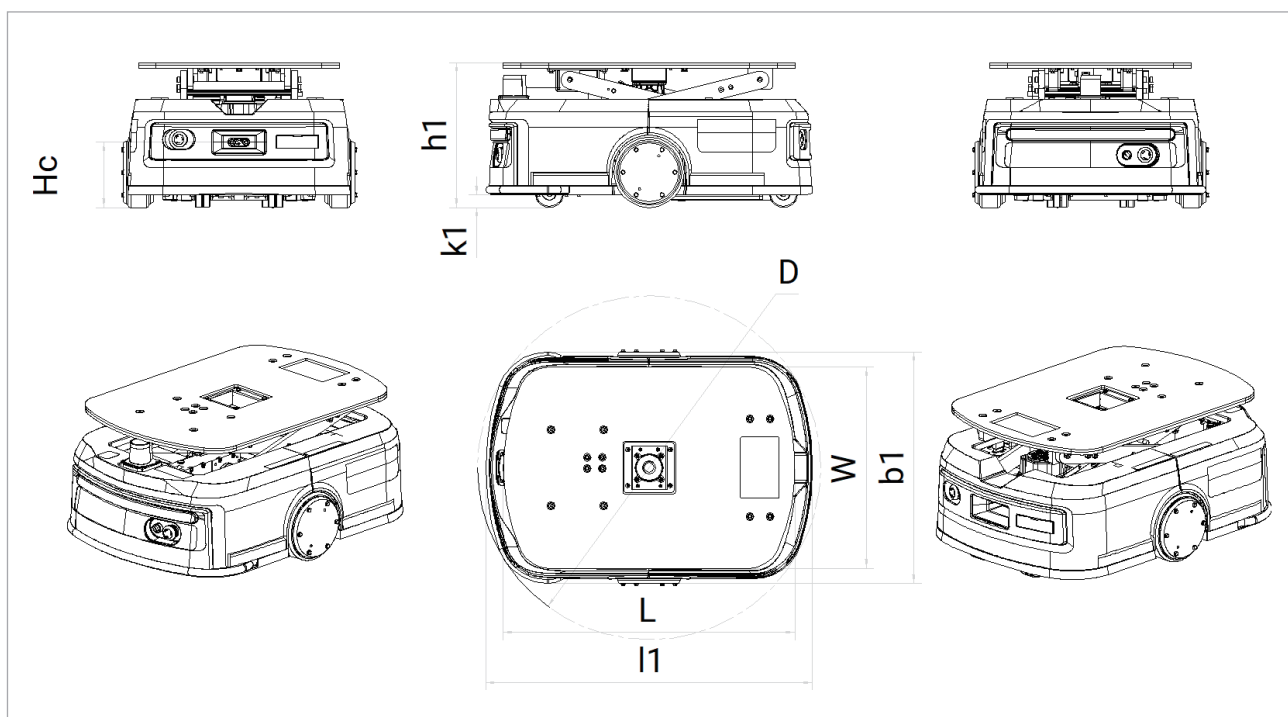
Technical Parameters

技术参数

Model / 型号	YK-100-L
Safety Protection / 安全防护	
Obstacle Avoidance Sensor - Forward 避障传感器-前向	Laser / 激光
Bumper Strip Type 碰撞条类型	Piezoelectric Bumper Strip 压电碰撞条
Bumper Strip Position 碰撞条位置	Front / 前置
Emergency Stop Button 急停按钮	Supported / 支持
Audible & Visual Alarm 声光告警	Supported / 支持
Navigation & Positioning / 导航定位	
Navigation Method 导航方式	QR Code / LSLAM 二维码/激光导航
Power System / 动力系统	
Battery Type 电池类型	LiFePO ₄ / 磷酸铁锂
Rated Voltage 额定电压	48(V)
Charge/Discharge Cycle Life 充放电循环次数	1500
Rated Operating Time 额定工况运行时间	6(h)
Charging Time after Full Discharge 完全放电后充电时长	≤1.5(h)
Charging Parameters / 充电参数	
Charging Connector Height from Ground 充电接口离地高度	130(mm)
Charging Position 充电位置	Rear Charging / 后充
Charging Connector Type 充电接口类型	TE
Charging Mode 充电模式	Automatic Wired Charging 自动有线充电
Others / 其他	
Communication Method 通讯方式	WIFI

Overall dimensions

外形尺寸



Recommended accessories

配件推荐

AMR charger
充电桩

