



Latent Lifting AMR for
Smart Factories & Warehouses



YK-400-L AMR

400 kg Rated Load

额定负载 400kg

8 h Operating Time

额定工况续航8h

QR Code / Laser Navigation

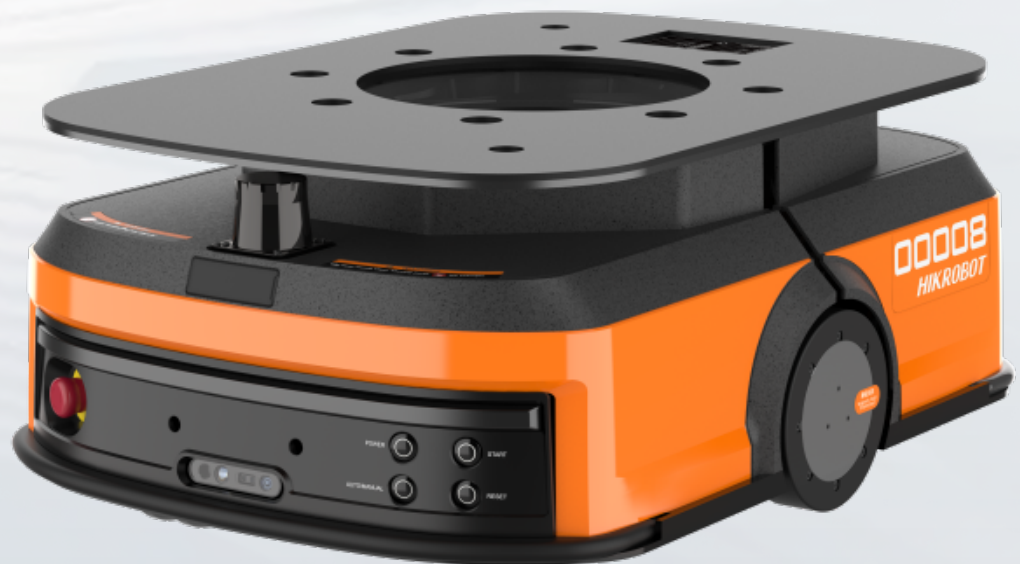
二维码/激光导航

Flexible Motion

双轮差速柔性运动

Multi-level Safety Protection

多重安全防护



Wiiss Technology Co., Ltd.

盈科视控(北京)科技有限公司

🌐 www.wiissplus.com

📍 162/7 Bangsaen-Angsila Road, Saensuk, Mueang Chonburi, Chonburi 20130

Features

功能特性

- **Autonomous Positioning & Navigation:** Utilizes inertial navigation, laser SLAM, and other technologies to achieve precise positioning.
自主定位导航: 采用惯性导航、激光 SLAM 导航等技术实现精确定位。
- **Flexible Motion Control:** Adopts dual-wheel differential drive, supporting forward, backward, rotation and other motion controls, with smooth and gentle movement.
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。
- **Smart Power Management:** Supports multi-level battery threshold control; automatically recharges when battery is low, and autonomously returns to work after charging is complete.
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。
- **User-Friendly HMI:** Supports display screen and audible/visual alarms to indicate device status.
人机交互友好: 支持显示屏、声光告警提示设备状态。
- **Heavy Load Handling:** Supports lifting, transporting, rotating, and lowering of goods up to 400 kg.
大型货物搬运: 支持 400kg 货物举升、搬运、旋转、下放。
- **Wireless Network Communication:** Supports Wi-Fi communication and seamless roaming, enabling obstacle-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-400-L
Basic Parameters / 基本参数	
Overall Dimension L*W*H 外形尺寸L*W*H	780*545*300(mm)
Rotation Diameter 旋转直径	820(mm)
Lifting Height 举升高度	60(mm)
Ground Clearance 底盘离地间隙	30(mm)
Lifting Platform Size 举升台面尺寸	724*504(mm)
Lifting Type 举升类型	Electric lifting / 电动举升
Self Weight 自重	93(kg)
Rated Load 额定负载	400(kg)
Navigation Method 导航方式	Laser SLAM navigation 激光SLAM导航
Human-Machine Interaction 人机交互方式	Display screen / 显示屏
Safety Protection / 安全防护	
Front Laser Obstacle Avoidance Installation Height 前侧激光避障安装高度	239(mm)
Front Laser Obstacle Avoidance Opening Angle 前侧激光避障开角	260(°)
Front Laser Obstacle Avoidance Maximum Detection Range 前侧激光避障最大检测范围	40(m)
Bumper Strip 碰撞条	Mechanical bumper strip 机械碰撞条
Emergency Stop Button 急停按钮	Equipped / 具备

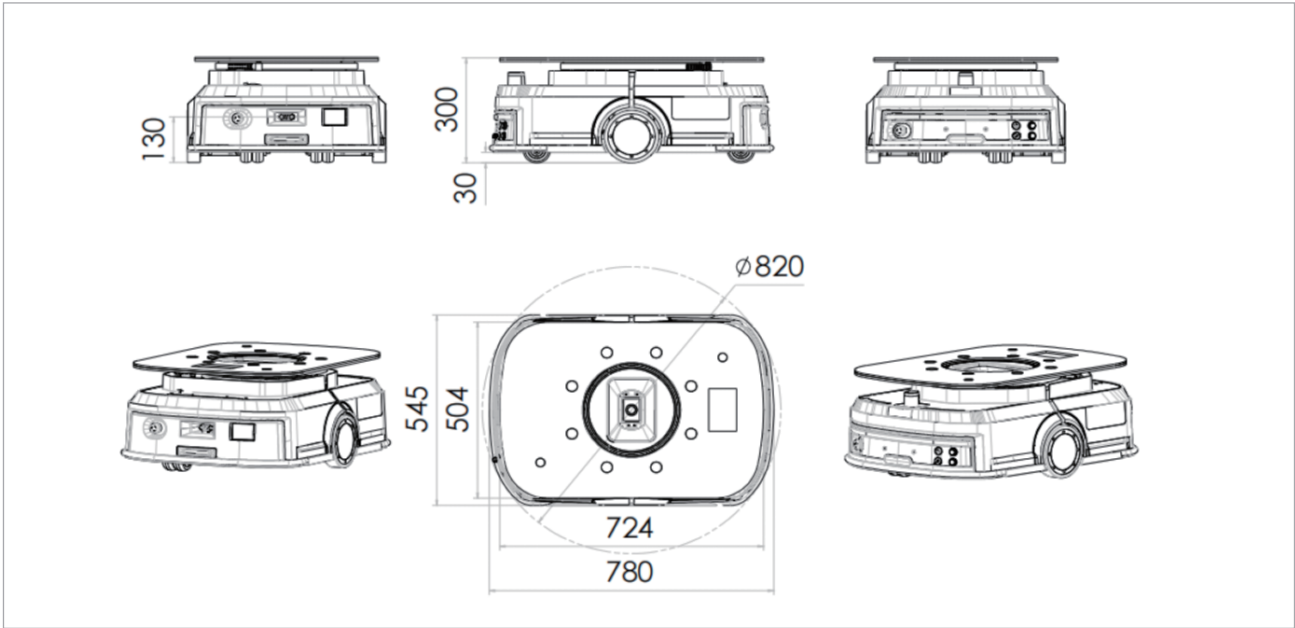
Technical Parameters

技术参数

Model / 型号	YK-400-L
Motion Performance / 运动性能	
Rated Travel Speed (No Load) 额定运行速度(空载)	2(m/s)
Rated Travel Speed (Rated Load) 额定运行速度(额定负载)	1.8(m/s)
Rated Acceleration (No Load) 额定加速度(空载)	0.8(m/s ²)
Rated Acceleration (Rated Load) 额定加速度(额定负载)	0.4(m/s ²)
Rotation Speed (No Load) 旋转速度(空载)	200(°/s)
Rotation Speed (Rated Load) 旋转速度(额定负载)	80(°/s)
Gradeability 爬坡度	3(°)
Positioning Angular Accuracy (via Visual Correction) 定位角度精度(通过视觉导正)	±1(°)
Positioning Accuracy (via Visual Correction) 定位精度(通过视觉导正)	±10(mm)
Battery Performance / 电池性能	
Battery Type 电池类型	Lithium Iron Phosphate (LiFePO ₄) 磷酸铁锂
Rated Voltage 额定电压	48(V)
Charge Cycle Life (cycles) 充电循环次数	1500次
Operating Time under Rated Conditions 额定工况下工作时间	8(h)
Charging Time after Full Discharge 完全放电后充电时长	≤1.5(h)

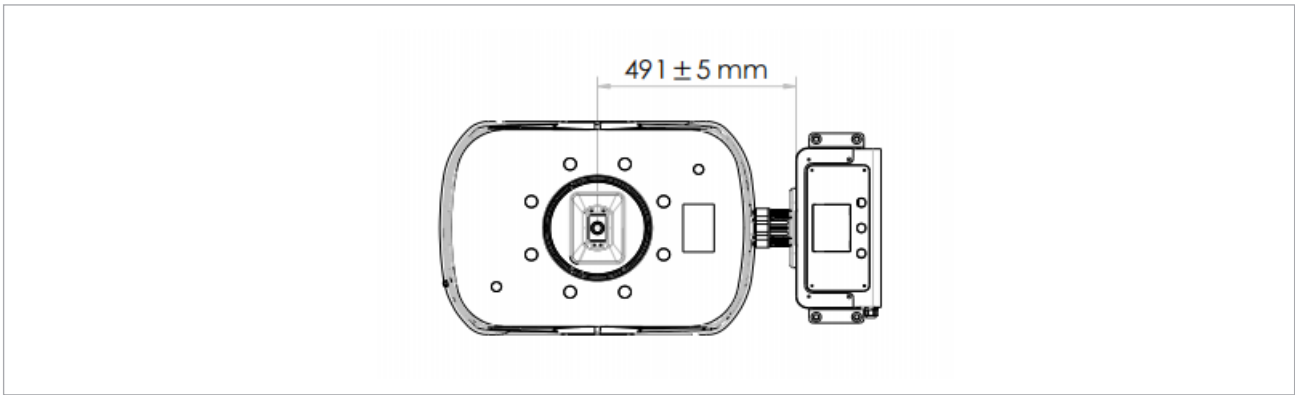
Overall dimensions

外形尺寸



AMR charger locations

充电桩位置



Optional accessories

可选配件

Accessory / 配件	Spec & Qty / 规格数量
Charging Station 充电桩	1
Ramp 斜坡	1
External Debugging Cable 外部调试线	Standard Ethernet Cable; Standard Adapter Cable 标准网线; 标准转接线