

BW-AMR-KIVA-1000-L/C

托盘 AMR 小车 -KIVA-1000



Characteristics / 产品特征

- 自主定位导航：采用惯性导航、激光 SLAM 导航 / 二维码导航等精确定位
Autonomous Positioning & Navigation: Utilizes multi-sensor fusion (including Inertial, Laser SLAM, and QR Code navigation) for precise localization.
- 柔性运动控制：采用双轮差速驱动，支持前进、后退、旋转
Flexible Motion Control: Employs a Differential-Drive System, supporting forward/backward movement and in-place rotation.
- 智能电源管理：支持多等级电量阈值控制，低电量自主充电
Intelligent Power Management: Features multi-level battery threshold control, enabling autonomous charging at low power levels.
- 多重安全防护：前置激光避障，碰撞检测等多级安全防护
Multi-Layer Safety Protection: Features a multi-level safety system, including front laser obstacle avoidance and physical bumper collision detection.
- 无线网络通信：支持 WIFI 网络通信和无缝漫游
Wireless Network Communication: Supports Wi-Fi connectivity with seamless roaming capabilities.

Technical Data / 产品参数

| 参数名称 Parameter Name | 单位 Unit | 数值 Data |
|---|------------------|--|
| 外形尺寸：长 * 宽 * 高 Overall Dimensions: Length*Width*Height | mm | 1150(L)*820(W)*252(H) |
| 举升高度 Lifting Height | mm | 60 |
| 举升类型 Lifting Type | - | 电动举升 Electrically Powered Lifting |
| 自重 Dead Weight | kg | 172 |
| 额定负载 Rated Load | kg | 1000 |
| 导航方式 Navigation Method | - | 激光 SLAM 导航 / 二维码导航 Laser SLAM Navigation / QR Code Navigation |
| 额定运行速度（空载 / 负载） Rated Travel Speed (Unloaded/Loaded) | m/s | 2/1.8 |
| 额定加速度（空载 / 负载） Rated Acceleration (Unloaded/Loaded) | m/s ² | 1/0.6 |
| 旋转速度（空载 / 负载） Steering Speed (Unloaded/Loaded) | °/s | 200/70 |
| 爬坡度 Gradeability | ° | 4 |
| 定位精度（通过视觉导正） Positioning Accuracy (with Vision Correction) | mm | ±10 |
| 定位角度精度（通过视觉导正） Angular Positioning Accuracy (with Vision Correction) | ° | ±1 |
| 安全防护 Safety Features | | 前侧激光避障 / 碰撞条检测 / 急停按钮 Front Laser Obstacle Avoidance / Bumper Collision Sensor Emergency Stop Button (E-Stop) |
| 电池系统 Battery System | | 磷酸铁锂 / 48V / 1500 次充电循环 / 额定工况运行时长 8h LiFePO ₄ (Lithium Iron Phosphate) / 48V / 1,500 Charge Cycles Runtime under Rated Conditions: 8 hours |