



AMR Autonomous Mobile Robot with Lithium Iron Phosphate Battery, Navigation Accuracy $\pm 10\text{mm}$, and Servo Motor for Efficient Goods Movement

Our Product Introduction

Basic Information

- Brand Name: TIANYUE
- Certification: 3c.ce
- Minimum Order Quantity: 1 Sets
- Price: Negotiable
- Packaging Details: Regular Packaging
- Delivery Time: 30-40work Days
- Payment Terms: L/C,T/T
- Supply Ability: 100 Pieces/month



Product Specification

- Navigation Accuracy: $\pm 10\text{mm}$



More Images



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Lithium Iron Phosphate Power Supply AMR Autonomous Mobile Robots

Product Overview

The AMR Autonomous Mobile Robot represents the forefront of automation technology, designed to revolutionize material handling and logistics within diverse industrial environments. Engineered with precision and efficiency, this advanced robot integrates a Lithium Iron Phosphate Battery, ensuring long-lasting power and enhanced safety for continuous operation.

Featuring an impressive travel speed range of 0-2 meters per second and a high-performance Servo Motor, the AMR provides smooth, accurate, and responsive control. With a maximum load capacity of 30 kilograms, it efficiently transports materials while maintaining optimal speed and maneuverability.

As a cooperative robot within industrial systems, the AMR works harmoniously alongside human operators and other automated systems, enhancing collaborative workflows and operational efficiency.



Key Features

- Product Name: AMR Autonomous Mobile Robot
- Obstacle Avoidance: 3D Sensors and AI Algorithms for enhanced safety
- Navigation Accuracy: $\pm 10\text{mm}$ for precise movement
- Navigation Method: Advanced LiDAR Navigation system
- Travel Speed: Adjustable speed from 0 to 2 m/s
- Weight: Lightweight design at 47 Kg

- Customized table size AGV robot options available
- Cooperative Robot design for seamless human-machine collaboration



Technical Specifications

Parameter	Specification
Obstacle Avoidance	3D Sensors And AI Algorithms
Navigation Accuracy	±10mm
Battery Specifications	Lithium Iron Phosphate Battery
Navigation Method	LiDAR Navigation
Application Areas	Warehouse Logistics, Manufacturing, Healthcare
Power Supply	Lithium Iron Phosphate
Travel Speed	0-2m/s
Maximum Load Capacity	30kg
Maximum Speed	2 m/s
Motor Type	Servo Motor



Ultra-HD wide-angle camera

High-definition microphone array

Dynamic Obstacle Avoidance Based on Depth Mutual Inversion

Ultraviolet disinfection

primary air system

Twin cabin design

16-meter LiDAR Navigation

Independent suspension chassis



Applications

The TIANYUE Autonomous Mobile Robot (AMR) is a cutting-edge solution designed to revolutionize various industrial and commercial operations. Certified with 3C and CE standards, this industrial robot offers precise and efficient movement with advanced LiDAR navigation technology.

Ideal for warehouse logistics, manufacturing, and healthcare applications, the AMR autonomously transports goods, streamlines inventory management, and enhances productivity. In healthcare environments, it delivers medical supplies and equipment while promoting sanitary conditions.

Compatible as a Car Robot for Arduino projects, the AMR is an excellent choice for developers integrating autonomous navigation capabilities into custom robotics solutions.

Custom skin



Service Case



Suzhou Huiyi Hotel



H Hotel



Shanghai Pudong Airport



Linyi Yihe Hotel (Jinjiang)



Shanghai Yuefei Cloud Hotel



China Huadian Group Fujian Branch



Ningbo Mantelihao Sheng Five-Star Hotel



Quzhou Orthopedic Hospital



广州市添越自动化技术有限公司
Guangzhou Tianyue Automation Technology Co., Ltd.

COMPANY PROFILE



目前取得各类授权
专利34项，先后荣获国家高新技术企业认定



HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE



Guangzhou Tianyue Automation Technology Co., Ltd.



13570415240



mkiangjintian@gmail.com



roboticsagv.com

Self-Compiled Buildings 7-8, Shitouji Jewelry Co., Ltd., No. 2 Daguan Yuan Road, Jewelry City, Huadu District,
Guangzhou City, Guangdong Province, China