3WD 48mm Omni-Directional Triangle Mobile Robot Chassis

Product Code: RB-Nex-110

- Aluminum alloy construction
- Mobile chasis for robotic projects
- Features 3 omni wheels

About this product

Description

- Aluminum alloy construction
- Mobile chasis for robotic projects
The **3WD 48mm Omni-Directional Triangle Mobile Robot Chassis** is a triangle mobile robot chassis that can be used as a foundation for robotic projects. This chassis features three omnidirectional wheels that help in changing the direction of the robot by varying direction and velocity of each wheel individually, without even altering the orientation.

This chassis is made using robust aluminum alloy for a reliable performance. It comes with encoder embedded DC motors, and pre-drilled screw holes for easy extension.

### Specifications

- **Appearance:** Triangle
- **Body Material:** Aluminum Alloy
- **Color:** Black
- **Load Capacity:** 1.5kg

**Motor Specifications:**

- 12V DC Coreless Motor
- **Power:** 6W
Power: 6W
No Load Speed: 9600RPM/minute
Reduced Speed: 120RPM/minute
Diameter: 22mm
Length: 19mm
Total Length: 65mm
Diameter of Shaft: 4mm
No Load Current: 50mA
Load Current: 500mA
Gearbox Ratio: 80:1

Encoder Specifications:
Type: Optical
Encoder Phase: AB
Encoder Resolution: 4CPR
Mobile Robot Parts included:
Aluminum Frame and all mounting hardware
48mm Plastic Omni-wheel X 3
16009 DC Motor with encoder X 3

Dimensions
Dimension: 230.8mm X 202.6mm X 98.5mm
Net Weight: 1.5kg

Supplier Product Code
15001S

Reviews
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