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Accessory

## Hiwonder Large Metal 4WD Vehicle Chassis for Arduino/Raspberry Pi/ROS Robot with 12V Encoder Geared Motor



Compatible with JetMax robotic arm, various sensors, modules and controllers

Nice damping effect with 12V encoder geared motors

Encoder geared motors and wheels contribute to flexible movement

Strong and durable high-strength aluminum alloy chassis

Available: **In stock****Price: \$129.99**

Quantity

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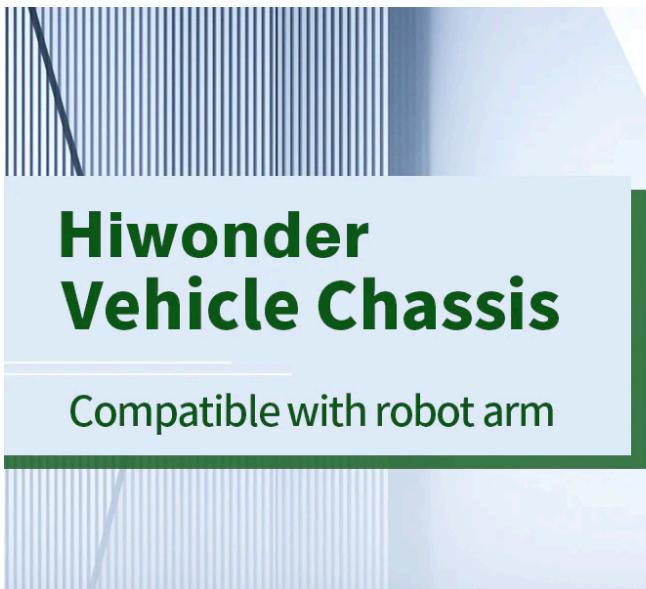
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## Product Description

Hiwonder vehicle chassis is loaded with mecanum wheels and encoder geared motors for the better movement. The 4WD mecanum wheel car chassis features universal wheels, which can move in any direction and run perfectly in narrow spaces and on rough ground. Its green cool outlook makes your robot different and stronger!

## Parameters

Size: 300\*245\*100mm

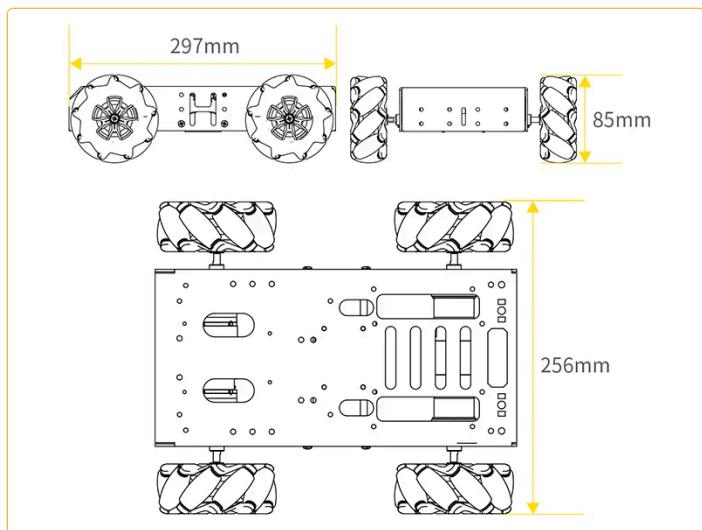
Weight: 1.9kg

Material: aluminum alloy

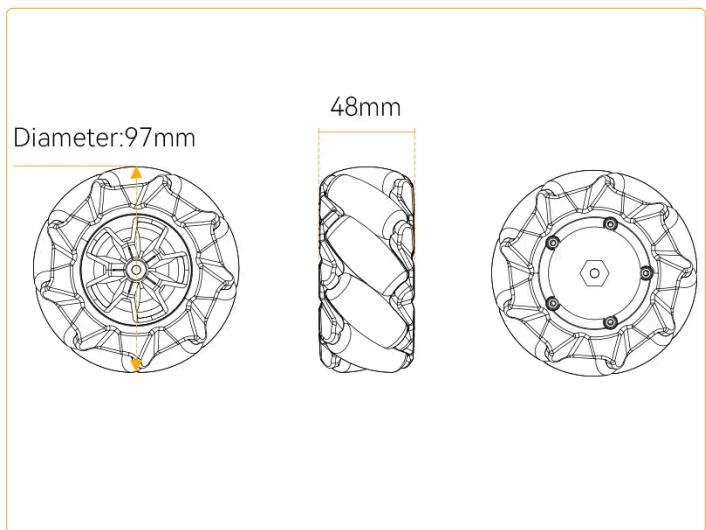
Working voltage: 9~12V

Motor: 12V encoder geared motor

Motor no-load speed: 110RPM



**Chassis Car Dimension**

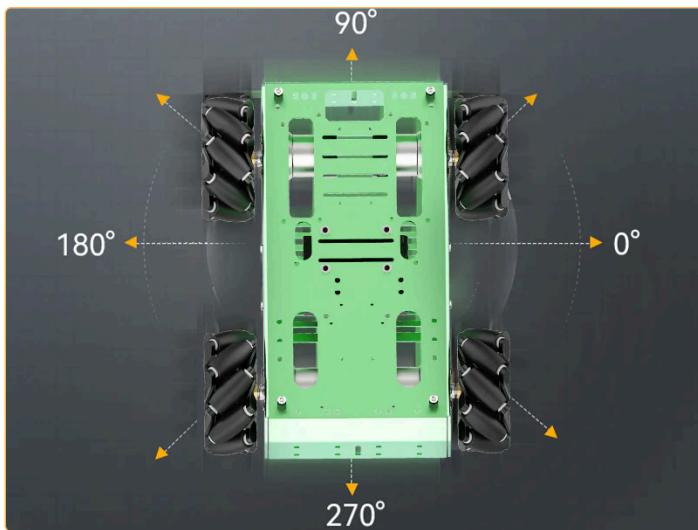


**Mecanum Wheel Dimension**

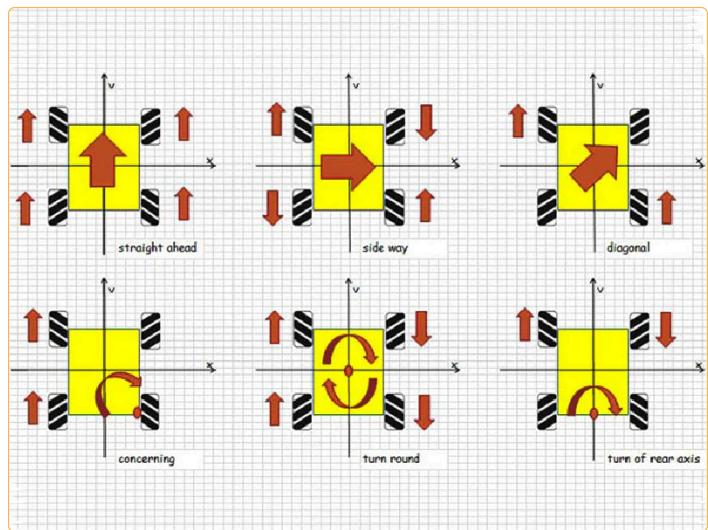


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360° Omni-directional Movement



Control Principle

## Packing List

- 1\* wheel chassis
- 1\* battery fixing plate
- 1\* controller board
- 4\* mecanuum wheel
- 4\* 12V encoder motor
- 4\* wheel coupling
- 4\* 6pin motor wire
- 1\* 3pin wire
- 1\* 4pin wire
- 1\* screw pack

Battery is not included, please prepare your own 11.1V 2500mAh lithium battery

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## Questions & Answers

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**Q** may i know the Mecanum Wheel weight?

**A** Hi there, the single wheel is around 143g

**Q** Can i use this chasis with the raspberry pi 5, if i download the instruction it only has instruction for arduino

**A** The chassis is compatible with Raspberry Pi and you refer to the instructions provided in this link: [https://drive.google.com/drive/folders/1AJHhErQzAtSy2pS-1BwFiYw\\_u5\\_VoePf?usp=sharing](https://drive.google.com/drive/folders/1AJHhErQzAtSy2pS-1BwFiYw_u5_VoePf?usp=sharing)

**Q** Why doesn't this have the twin arm suspension from the jetrover ros?

**A** This chassis is different from the chassis used on the JetRover

**Q** Instructions?

**A** Please check this link: <https://drive.google.com/drive/folders/1oJtQWOJbROHeSN3Q2NdvgV9MB0tl0uHP?usp=sharing>

**Q** Where can I get information on the IIC interface software connecting to the encoder motor module (v1.3)?

**A** Please check this link: [https://drive.google.com/drive/folders/1oJtQWOJbROHeSN3Q2NdvgV9MB0tl0uHP?usp=drive\\_link](https://drive.google.com/drive/folders/1oJtQWOJbROHeSN3Q2NdvgV9MB0tl0uHP?usp=drive_link)

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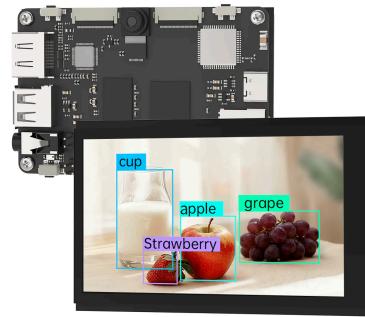
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