



By Yahboom

Yahboom ROS Transbot Robot with Lidar Depth camera support Python programming MoveIt 3D mapping for Raspberry Pi 4B

★★★★★ 4.85/5.0 | 13 reviews

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Another version

Jetson NANO Transbot ROS Robot

Transbot is a crawler educational robot developed based on the ROS(robot operating system). It uses Python 3 as the programming language. And comes with high-performance hardware configurations such as Raspberry Pi 4B board, lidar, high-definition camera/depth camera, etc., which can realize robot motion control, remote communication, mapping navigation, following, avoiding, autopilot, robotic arm MoveIt simulation, multi-robot queue, multi-robot navigation and so on. We will provide many ROS courses and teaching video to help user get started with ROS easily.

Features:

Intimate design and service: The chassis has been assembled before shipment. The TF card comes with Transbot dedicated system files. Only need to assemble the Raspberry Pi, camera and other parts, and you can quickly enjoy it.

Professional technical support and after-sales service.

Stable hardware configuration realizes interesting functions:

Based on lidar: Obstacle avoidance, following, 2D mapping navigation, multi-robot navigation, etc.

Based on depth camera: 3D mapping, point cloud image processing, KCF target visual following, etc.

Based on a HD camera: High-brightness searchlight, 2 DOF PTZ flexible rotation.

ROS operating system: Based on the ROS robot operating system, we cleverly use Rviz, MoveIt, and Qt toolboxes to realize the joint control of the robot arm MoveIt simulation and the real machine.

Cross-platform interconnection control: It support a variety of different control methods, AI-enabled APP, FPV real-view visual handle remote control, JupyterLab online programming, and robot operating system control.

Detailed video courses: We provide 64-hours video tutorials and detailed documents. Whether you are a beginner or an experienced ROS player, you can easily use Transbot robot.

Lidar scanning avoiding / Depth camera visual recognition / 3D mapping navigation



Massive video courses

- ◇ 64 original video tutorials

APP control

- ◇ Control APP (iOS/Android)
- ◇ Map Navigation APP (Android)

Top hardware configuration

- ◇ Raspberry Pi 4B board
- ◇ SLAM A1 Lidar
- ◇ Astra Pro depth camera

Funny function

- ◇ 3D/2D mapping navigation
- ◇ Visual SLAM image processing
- ◇ Path planning/APP mapping navigation



This product is the **Raspberry Pi 4B** version Transbot, if you need the **JETSON NANO** version Transbot, [please click here](#)

realize robot motion control, remote control communication, mapping navigation, Follow obstacle avoidance, autonomous driving, robot Movelt simulation and other applications. A lot of ROS courses and teaching video will be provided, which will help you easily get started with ROS.

ROS

ROS operating system



Lidar scan map



OpenCV image processing



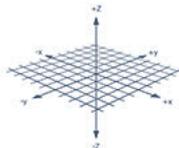
Movelt simulation

PID

Built-in PID controller

AI

Artificial intelligence



3D real-world map navigation



Multi-color visual tracking



Indoor navigation dynamic avoiding



Massive video tutorials



Raspberry Pi 4B



Visual recognition target tracking



Mobile APP mapping navigation



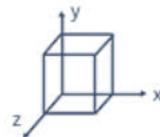
Cross-platform interconnection control



Detail tutorials



Path planning automatic navigation



3D analysis of depth images



Python/C++ programming



Real person video manipulation



Technical support

and learning direction. At present, **Ackerman steering chassis** and **Mecanum wheel chassis** are popular choices. Ackerman is the standard structure of modern cars, and Mecanum wheel is the standard choice of omnidirectional mobile. If you want to explore the field of automatic driving in the future, Ackerman chassis structure is recommended. All of the following models can be equipped with depth cameras and multiple lidars, all of which meet the requirements of mapping navigation, depth learning, 3D vision, robot formation and other directions. Each vehicle model provides corresponding video tutorials, which can meet the requirements of zero basic introduction and improvement.

| | | | | | | |
|-------------------------|-----------------------|-------------------------|-------------|------------------------|-------------------|---|
| <p>ROSMASER X1</p> | Chassis | Pendulous suspension(M) | Tire | Non-slip rubber wheel | Motor | 520 Motor *4 |
| | Motor reduction ratio | 1:30 | Robotic arm | No | Voice interaction | Yes |
| | Lidar | SLAM A1/ YDLIDAR X3 | Camera | Astra Pro depth camera | Level | ROS basic learning |
| <p>ROSMASER R2</p> | Chassis | Ackerman steering | Tire | Racing rubber wheel | Motor | 520 Motor *4 Metal servo *1 |
| | Motor reduction ratio | 1:19 | Robotic arm | No | Voice interaction | Yes |
| | Lidar | SLAM A1/ YDLIDAR 4ROS | Camera | Astra Pro depth camera | Level | Autopilot/ Competition |
| <p>ROSMASER X3</p> | Chassis | Pendulous suspension(M) | Tire | Mecanum wheel(M) | Motor | 520 Motor *4 |
| | Motor reduction ratio | 1:30 | Robotic arm | No | Voice interaction | Yes |
| | Lidar | SLAM A1/ SLAM S2L | Camera | Astra Pro depth camera | Level | Omnidirectional movement/ROS deep development |
| <p>ROSMASER X3 PLUS</p> | Chassis | Pendulous suspension(L) | Tire | Mecanum wheel(L) | Motor | 520 Motor *4 |
| | Motor reduction ratio | 1:56 | Robotic arm | 6DOF | Voice interaction | Yes |
| | Lidar | YDLIDAR 4ROS | Camera | Astra Pro depth camera | Level | University research/Mobile capture |
| <p>TRANSBOT</p> | Chassis | Crawler | Tire | Nylon track | Motor | 520 Motor *2 |
| | Motor reduction ratio | 1:56 | Robotic arm | 3DOF | Voice interaction | No |
| | Lidar | SLAM A1 | Camera | Astra Pro depth camera | Level | Mobile grabbing/With off-road ability |

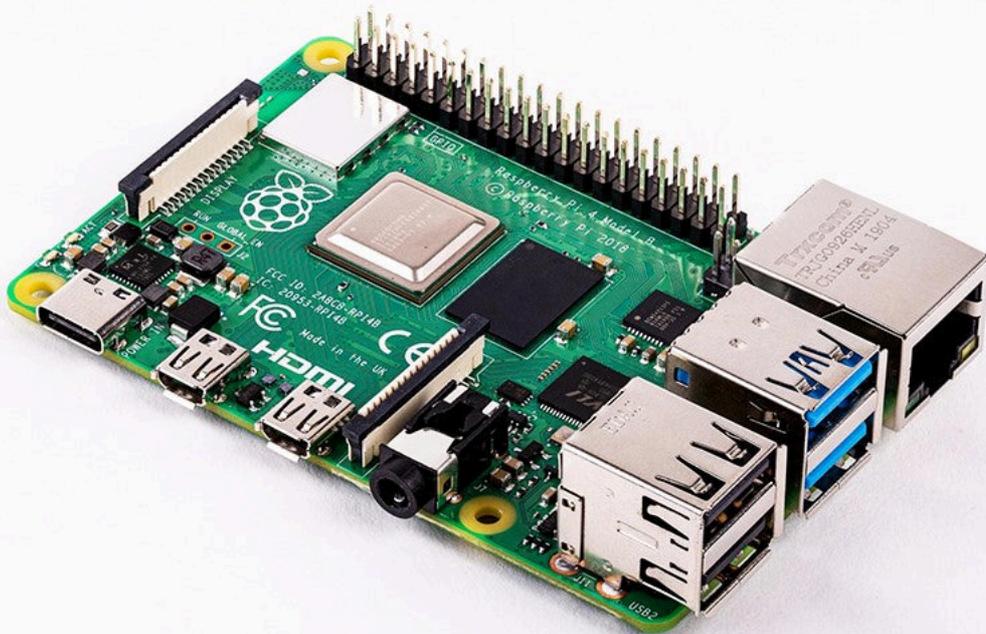
CPU

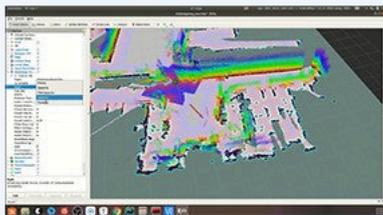
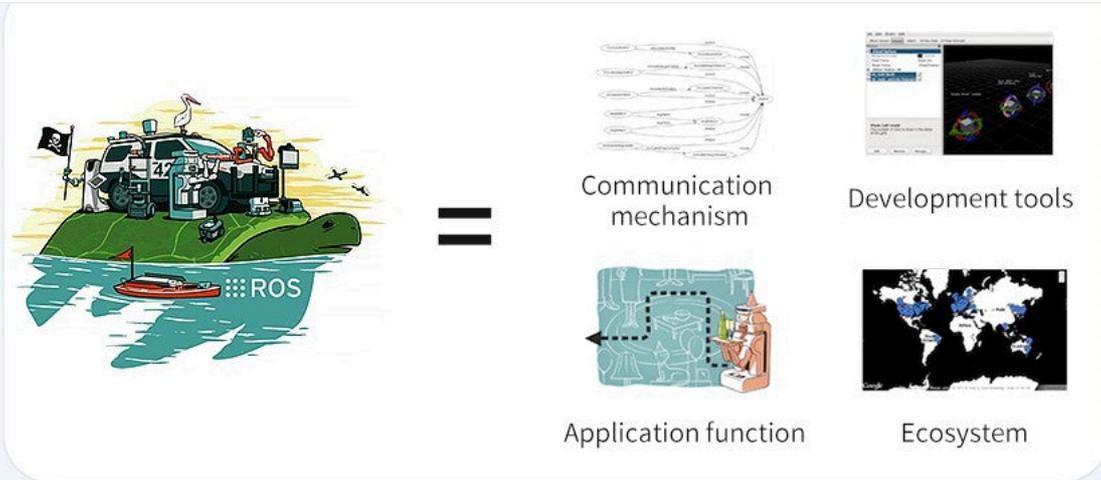
64-bit 1.5GHz Quad-core
(28nm process)

GPU

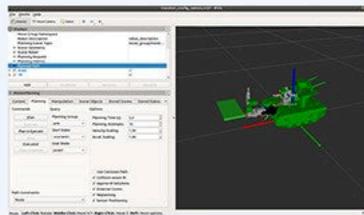
Broadcom VideoCore VI
@ 500MHz

4GB / 8GB memory versions are officially recommended,
and 2GB / 1GB memory versions are not recommended.

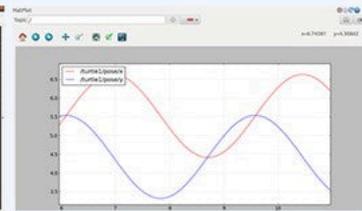




3D visualization tool--Rviz



Robotic arm motion planning--MoveIt



QtTool box--rqt_plot/
rqt_graph

Help

Option description



HD camera

The high-definition camera platform can realize rotation of up, down, left and right, and equipped with high-power LED spotlights. color tracking and automatic driving can be realized easily.



Astra Pro Plus depth camera

The depth camera platform supports left and right rotation and up and down manual adjustment, which can not only realize all the AI visual functions, but also realize advanced functions such as depth image data processing and 3D mapping navigation.



- 6. AR tag pose estimation
- 7. AR special effects visualization ◆
- 8. Color tracking ◆
- 9. Object following ◆
- 10. QR code creation
- 11. QR code recognition ◆
- 12. Visual tracking autopilot ◆
- 13. Bone detection*
- 14. Finger follow*
- 15. Camera calibration*

PS: "*" means exclusive function of Depth Camera

- 6. RRT exploration and mapping
- 7. Lidar fixed-point navigation ★
- 8. Lidar multi-point navigation
- 9. TEB and DWA path planning
- 10. Lidar obstacle avoidance ◆
- 11. Lidar guards ◆
- 12. Lidar follow ◆
- 13. Robot patrol and avoid obstacles ◆
- 14. ROS APP navigation ★
- 15. ROS APP mapping ★
- 16. Multi smart robot car navigation

- 1. Read the angle status of the robotic arm ◆
- 2. Robotic arm gripping and transport ◆
- 3. APP/handle control robotic arm ◆
- 4. MoveIt robotic arm simulation

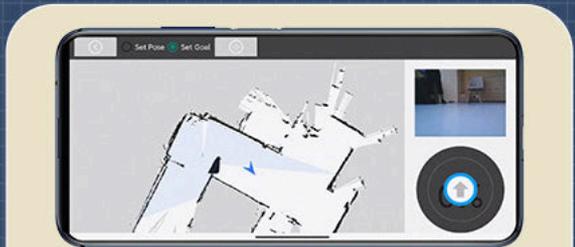
PS: The above functions need to be equipped with a robotic arm

- 1. VNC remote control
- 2. Data type conversion
- 3. APP gravity sensor control ◆
- 4. ROS image transmission and control
- 5. IMU and mileage data release
- 6. OpenCV application and tutorial
- 7. Handle control
- 8. Set static IP/open hotspot mode
- 9. Multi-machine communication configuration
- 10. SSH remote control
- 11. Keyboard node control
- 12. rqt real-time control PID
- 13. Linear velocity and angular velocity calibration
- 14. Robot ROS serial communication
- 15. jupyter lab remote control
- 16. Multi smart robot car synchronous control **NEW**
- 17. Many smart robot car lined up to perform **NEW**

- 1. One-click download by serial port
- 2. Motor over-current protection
- 3. Six-axis attitude sensor
- 4. Battery voltage detection
- 5. Voltage alarm



The above functions with "◆" can be remotely controlled in YahboomRobot APP



The above functions with "★" can be remotely controlled in the ROS Robot APP

01



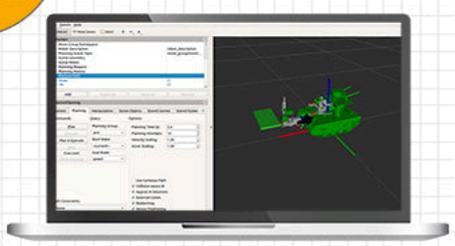
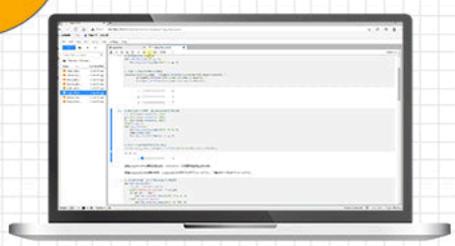
YahboomRobot Control APP (iOS+Android)

ROS Robot Mapping Navigation APP (Android)

Handle control (standard configuration for any version)

04

05



Jupyter Lab webpage online programming control

ROS system control

Help

YahboomRobot APP

Built-in AI gameplay, quickly experience the funny of Transbot remote control.



APP control interface



Autopilot interface



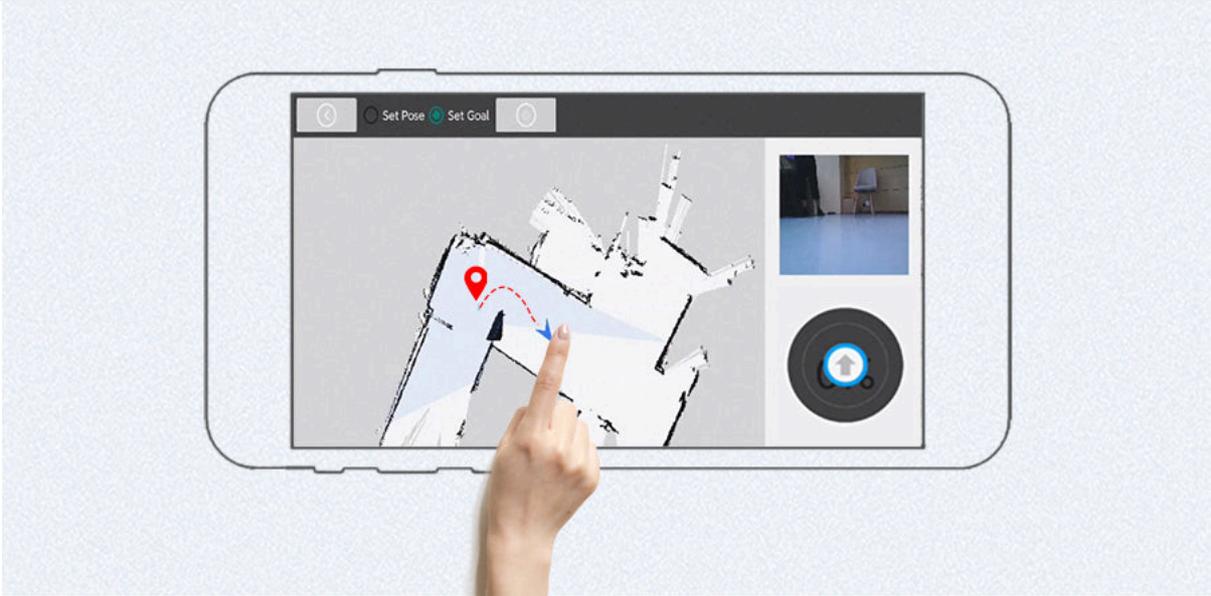
Lidar interface



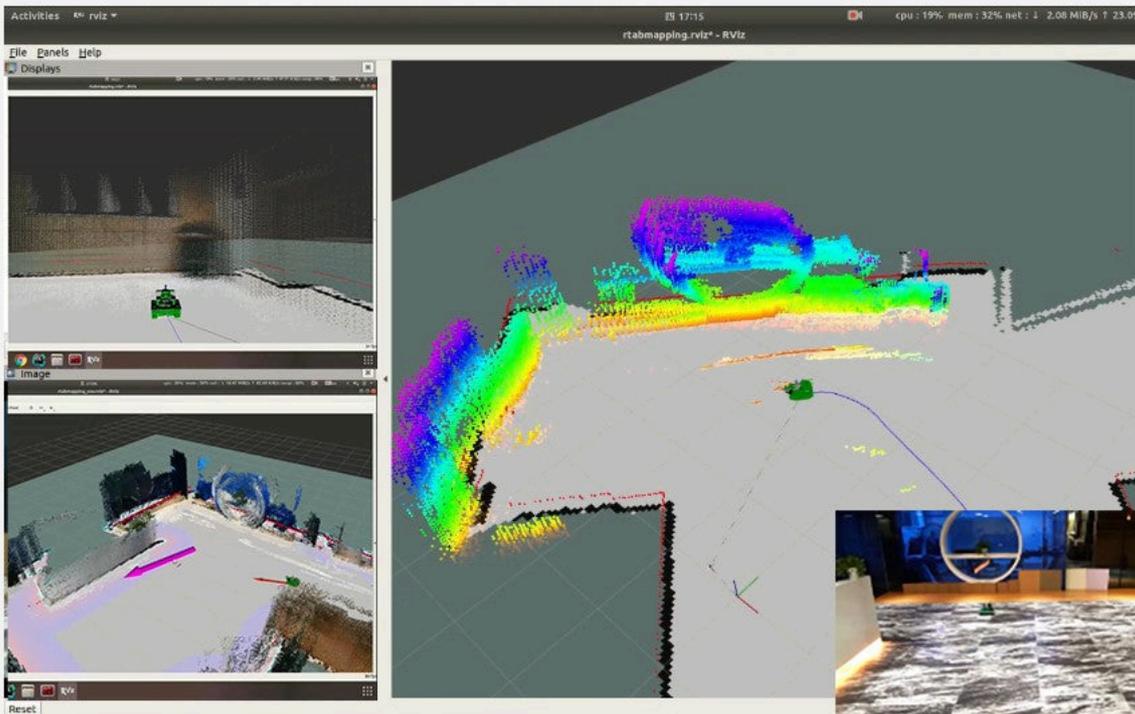
AR reality augmented interface



Intelligent patrol interface



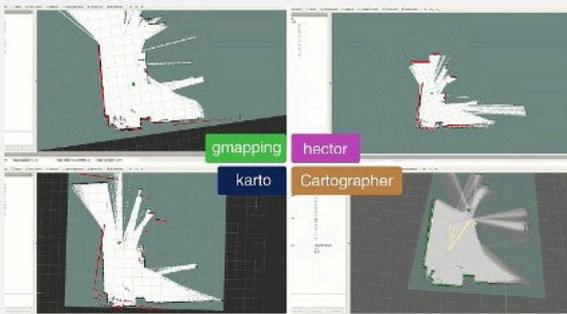
Support 3D mapping navigation technology (rtab) containing pure vision and visual radar fusion. Transbot robot can navigate and avoid obstacles in the 3D map, and supports global relocation.



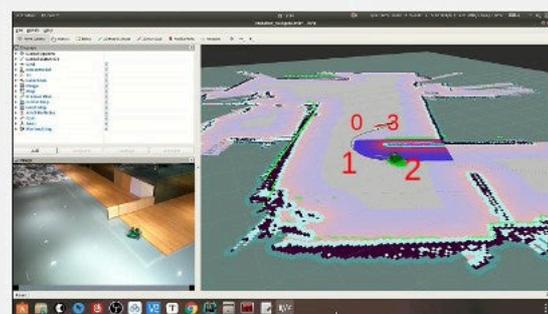
Help

P2 Lidar mapping and navigation

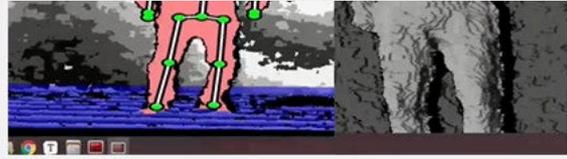
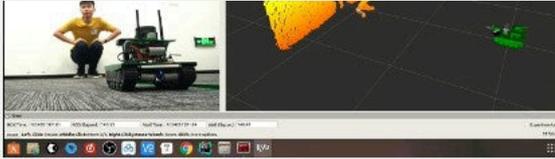
Support gmapping, hector, karto, cartographer and other algorithms to create maps. Support path planning, single-point and multi-point autonomous navigation.



Four algorithms for mapping

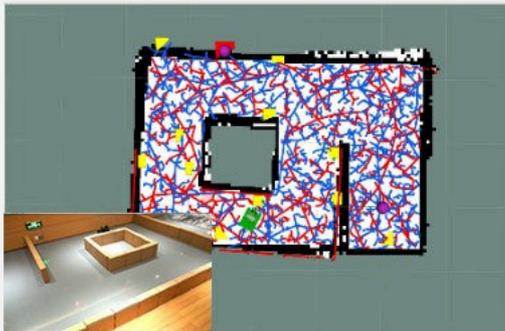


Autonomous navigation for path planning



P4 RRT autonomous exploration and mapping

No need to control the robot manually, and the RRT algorithm is used to autonomously complete the exploration and construction of maps, save the map, and return to the starting point.



P5 KCF goal follow



Based on the image related KCF filter algorithm, any follow target in the image can be selected.



P6 Autopilot

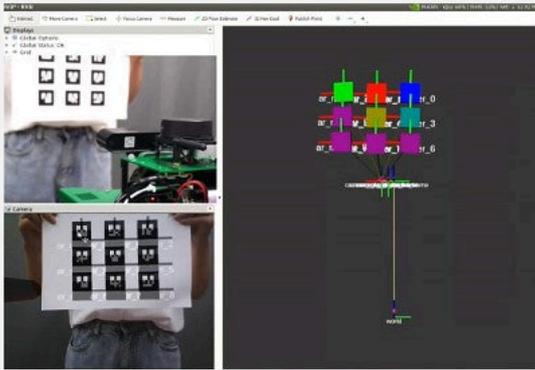
Support custom color selection, the robot can automatically recognize the color and drive forward.

P7 Color recognition/tracking

Select the color through the screen and let robot track the target color.

P8 AR tag recognition

Support 2D code label dynamic tracking detection, 2D code posture position coordinate acquisition, support multiple 2D code recognition at the same time.



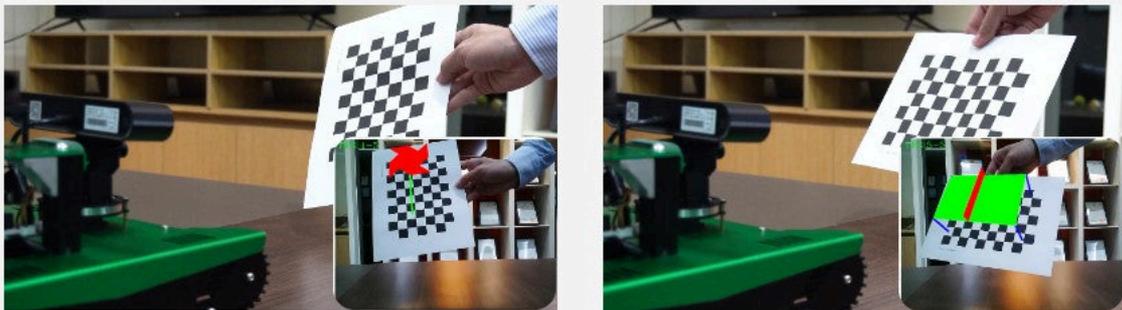
P9 Visual image beautification

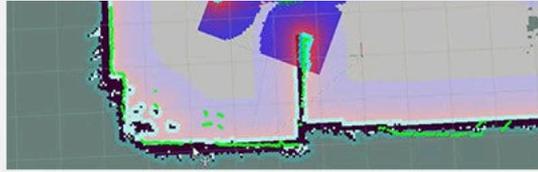
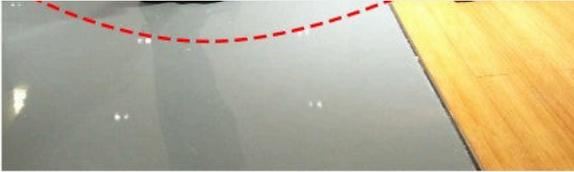
Through OpenCV, the video image is converted to achieve the effect of image beautification.



P10 AR reality augmentation

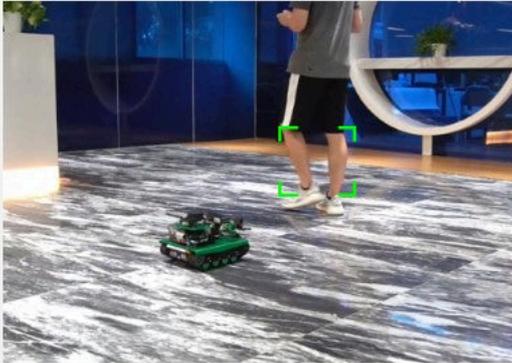
Select the corresponding graphics through the APP, and let the graphics appear on the checkerboard paper through AR enhancement technology.





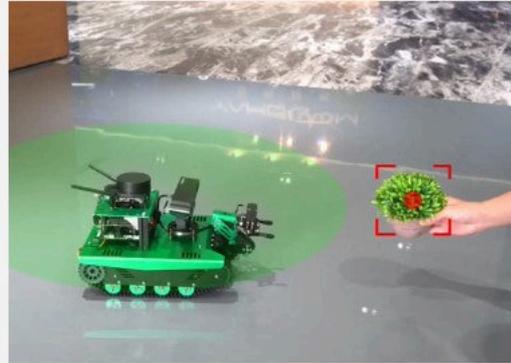
P12 Lidar tracking

Lidar scans and detects the environment, and selects targets that are close to follow to move.



P13 Lidar guard

Targets that are closer to the radar will be locked, and the front of the robot car will always face this target.





Different configuration Select on demand.

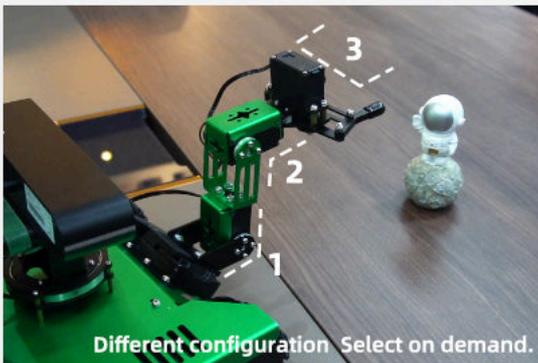


P16 3 DOF robotic arm robotic arm exclusive function

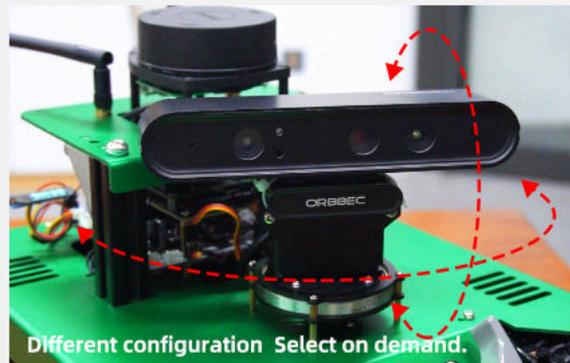
3 DOF robotic arm allows the car to realize grasp objects.

P17 Electric rotating platform

The depth camera supports electric left and right rotation and manual adjust up and down. The HD camera supports electric rotation up, down, left and right.



Different configuration Select on demand.



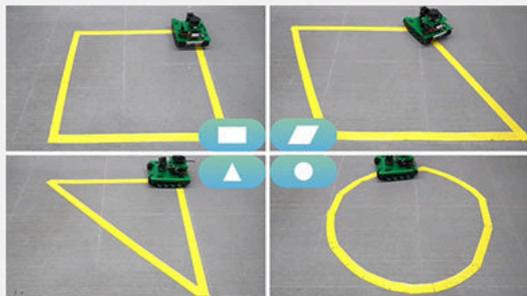
Different configuration Select on demand.

P18 Intelligent patrol

Select the route through the mobile APP, and the car will patrol according to the route.

P19 Strong obstacle crossing ability

The large-size tracked chassis allows Transbot to have better obstacle clearance capabilities.



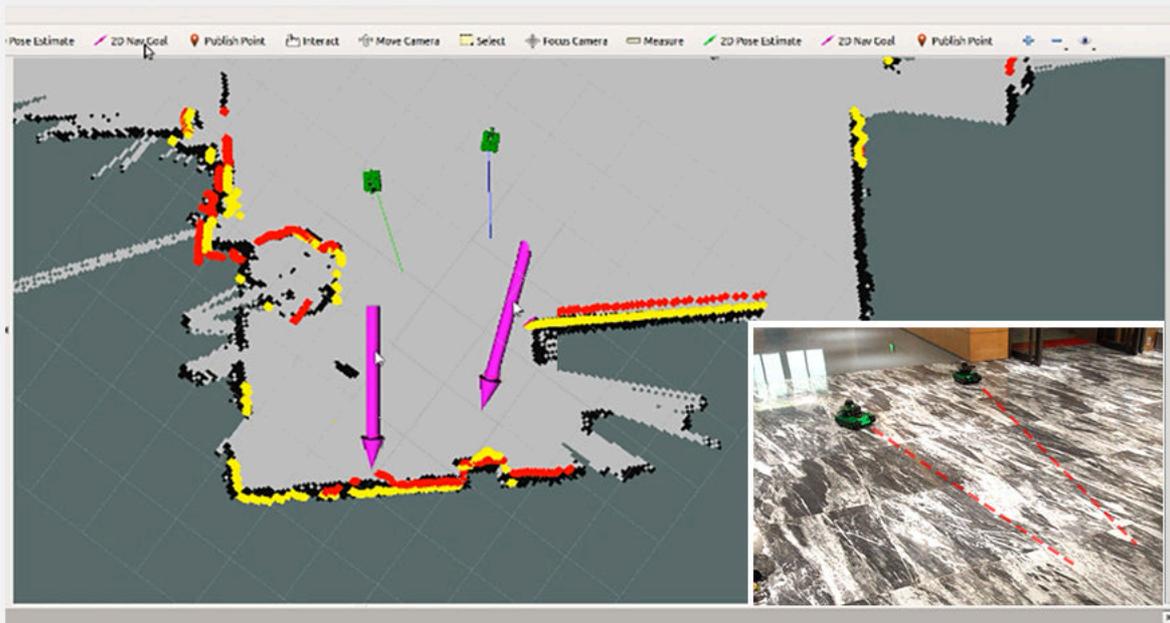
P20 Movelt robotic arm simulation control Robotic arm exclusive function

After Transbot is equipped with a robotic arm, the Movelt provided by the ROS system can be used for motion simulation control. Movelt is a ROS software package specially developed for mobile operating platforms, inheriting achievements in the fields of motion planning, three-dimensional perception, kinematics, motion control and navigation.



P21 Lidar multi robotic cars navigation

It can control more than two robotic cars to navigate and locate in the same map. In the process of navigation, if there are obstacles within the detection range, the robot can replan the route for obstacle avoidance.



Help

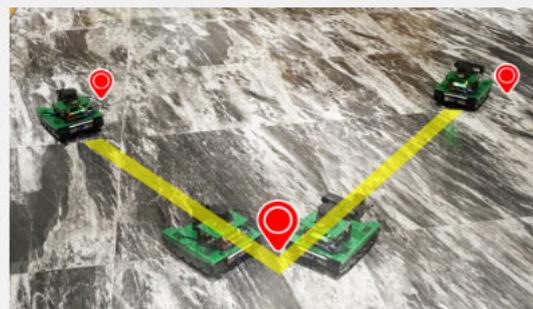
P22 Multi robot car synchronous control

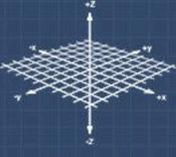
The mode key of the handle can be used to select the vehicle to control separately or control multiple robot car to complete the action synchronously.



P23 Multi robot car queue performance

Use the handle to control the robot movement, record the movement route, and then drive synchronously according to the recorded route to complete the multi vehicle queue performance.



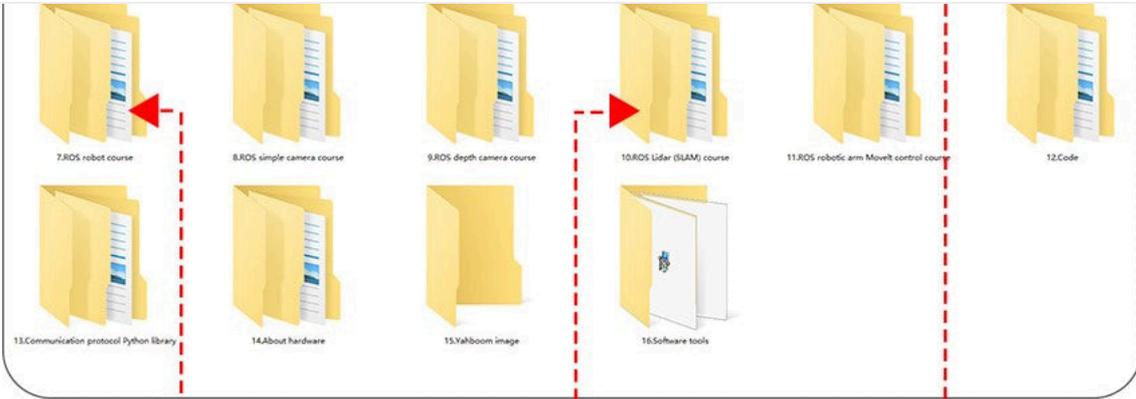
| | | | |
|---|---|--|--|
|  ROS ROS robot operating system |  RTAB 3D mapping navigation |  pointcloudlibrary PCL 3D point cloud |  SLAM mapping navigation |
|  Machine vision applications |  Python programming |  Open Source CV |  MoveIt |

Help

Massive learning materials

Tutorial link: <http://www.yahboom.net/study/Transbot-Pi>





7.ROS robot course

8.ROS single camera course

9.ROS depth camera course

10.ROS Lidar (SLAM) course

11.ROS robotic arm MoveIt control course

12.Code

13.Communication protocol Python library

14.About hardware

15.Yahboom image

16.Software tools



1.OpenCV application

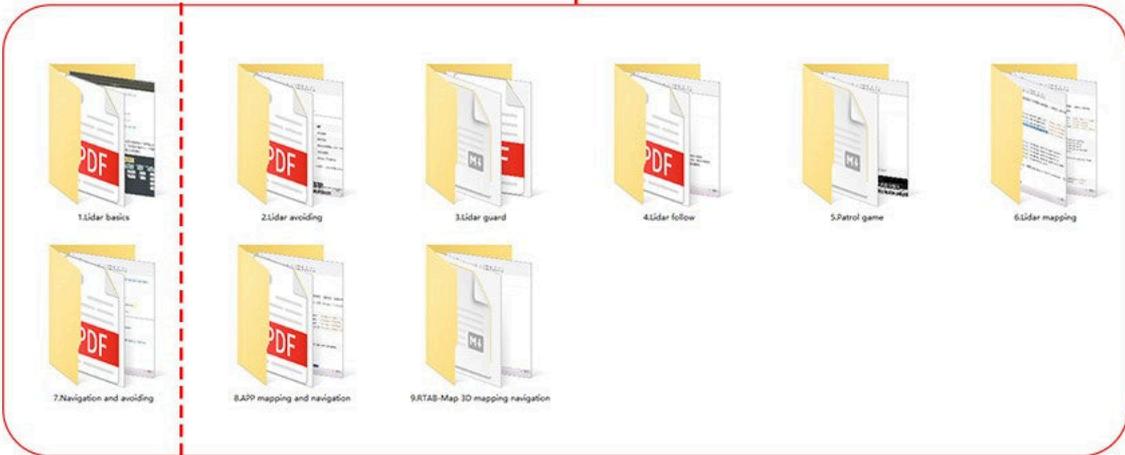
2.Augmented Reality

3.ARTag

4.ROS+OpenCV basic course

5.ROS+OpenCV application

6.Data conversion and point cloud



1.Lidar basics

2.Lidar avoiding

3.Lidar guard

4.Lidar follow

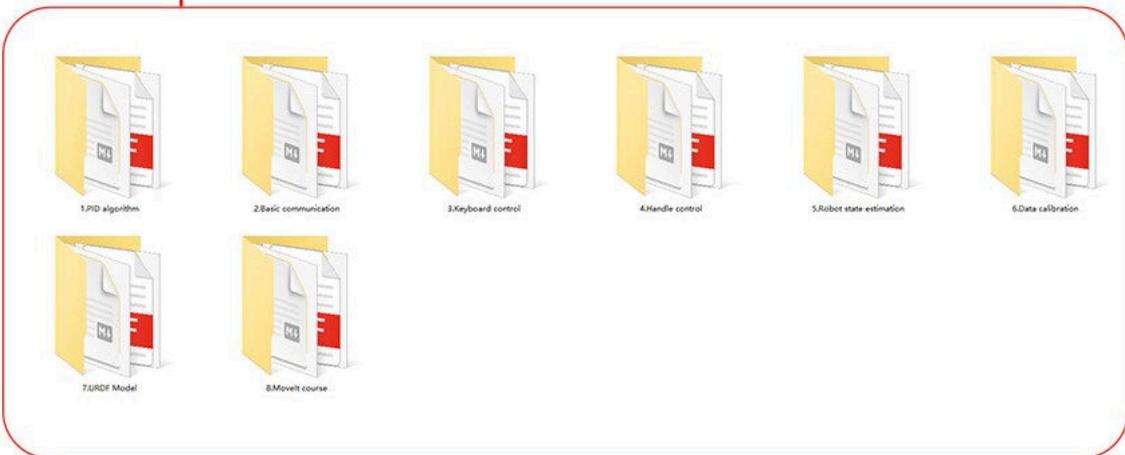
5.Patrol game

6.Lidar mapping

7.Navigation and avoiding

8.APR mapping and navigation

9.RTAB-Map 3D mapping navigation



1.PID algorithm

2.Basic communication

3.Keyboard control

4.Handle control

5.Robot state estimation

6.Data calibration

7.URDF Model

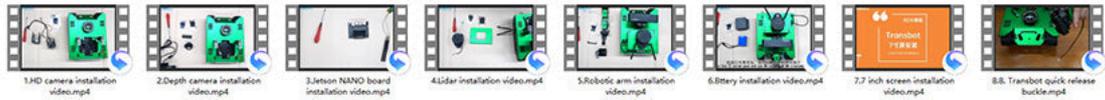
8.MoveIt course

| | | | | |
|-------------------------------------|--|--|---------------------------------------|------------------------|
| Introduction of Transbot | 1.Introduction | ROS Lidar (SLAM) course | 3.Radar guard | |
| | 2.Transbot manual | | 4.Radar follow | |
| Assembly and precautions | 1.Precautions for use and battery safety | | 5.Patrol game | |
| | 2.Assembly precautions | | 6.Radar mapping | |
| | 3.Assembly steps | | 7.Navigation and avoiding | |
| First Trial | 1.Camera WiFi network configuration | | 8.APP mapping and navigation | |
| | 2.APP remote control tutorial | | 9.RTAB-Map 3D mapping navigation | |
| | 3.USB wireless handle control | | ROS robotic arm Movelt control course | 1.Robotic arm control |
| | 4.USB handle + APP control | | | 2.Random move |
| Transbot tutorials | | | | 3.Robotic arm avoiding |
| | | Multi ROS robot car controller NEW | 1.Multi robot car synchronous control | |
| | | | 2.Multi robot car navigation | |
| 3.Multi robot car queue performance | | | | |
| Hardware control course | 1.About expansion board | Transbot annex | | |
| | 2.Close APP control process | 1.QR code recognition file | | |
| | 3.Install Transbot driver library | 2.Checkerboard calibration file | | |
| | 4.Control buzzer and button | System image and firmware | | |
| | 5.Adjust LED brightness | 1.On board MCU firmware | | |
| | 6.Control PWM servo | 2.Yahbom image file | | |
| | 7.Control bus servo | Software development tools | | |
| | 8.RGB bar control | 1.Writing tutorial | | |
| | 9.Control motor | 2.Secondary writing tutorial | | |
| | 10.Control robot movement | ROS function package and source code | | |
| ROS Basic course | 1.Introduction of ROS | 1.ROS function package and source code | | |
| | 2.Introduction of project files | Communication protocol and Python driver library | | |
| | 3.Commands and tools | 1.Python driver library | | |
| | 4.Multi-machine communication | 2.Protocol file | | |
| | 5.Static IP and WiFi hotspot | Others | | |
| ROS+OpenCV visual course | 1.Opencv application | 1.40Pin cable pin distribution diagram | | |
| | 2.Augmented Reality | 2.LED module information | | |
| | 3.ARTag | 3.OLED display information | | |
| | 4.ROS+Opencv basic course | 4.On-board MCU information | | |
| | 5.ROS+OpenCV application | | | |
| | 6.Data conversion and point cloud | | | |
| ROS robot course | 1.PID algorithm control | | | |
| | 2.Basic communication | | | |
| | 3.Keyboard control | | | |
| | 4.Handle remote control | | | |

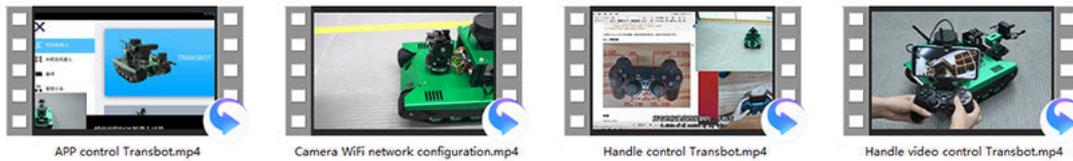
| | | |
|-------------------------|-------------------------|--|
| ROS depth camera course | 2.Astra color tracking | |
| | 3.Astra object tracking | |
| | 4.Astra autopilot | |

...les, which is convenient for all users to quickly learn ROS robot.

1.Assembly steps



2.First Trial



3.Hardware control course



4.ROS Basic course

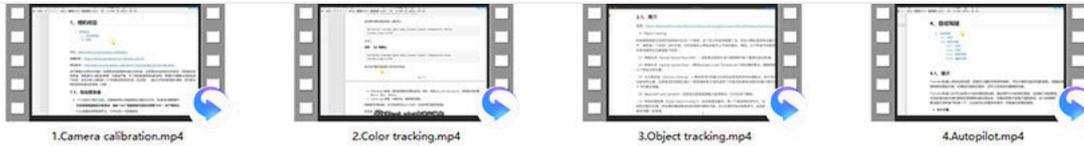


5.ROS+OpenCV visual course



6.ROS robot control course

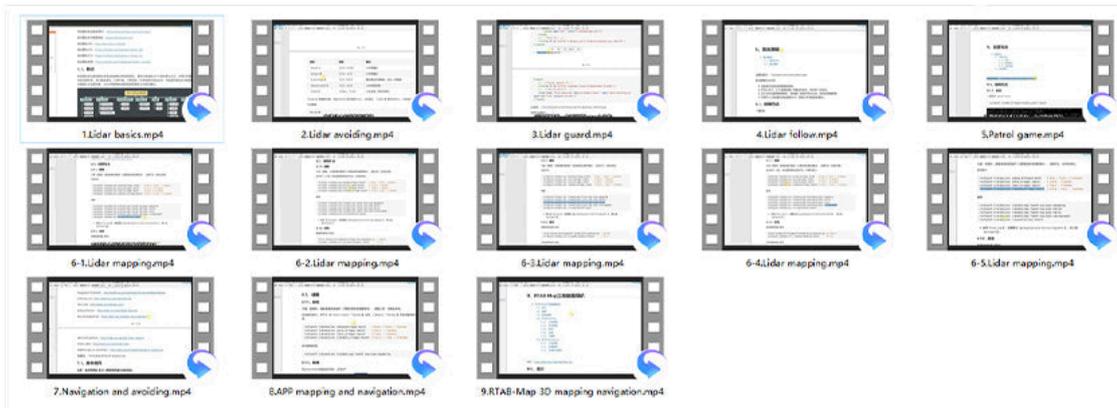




8.ROS depth camera course



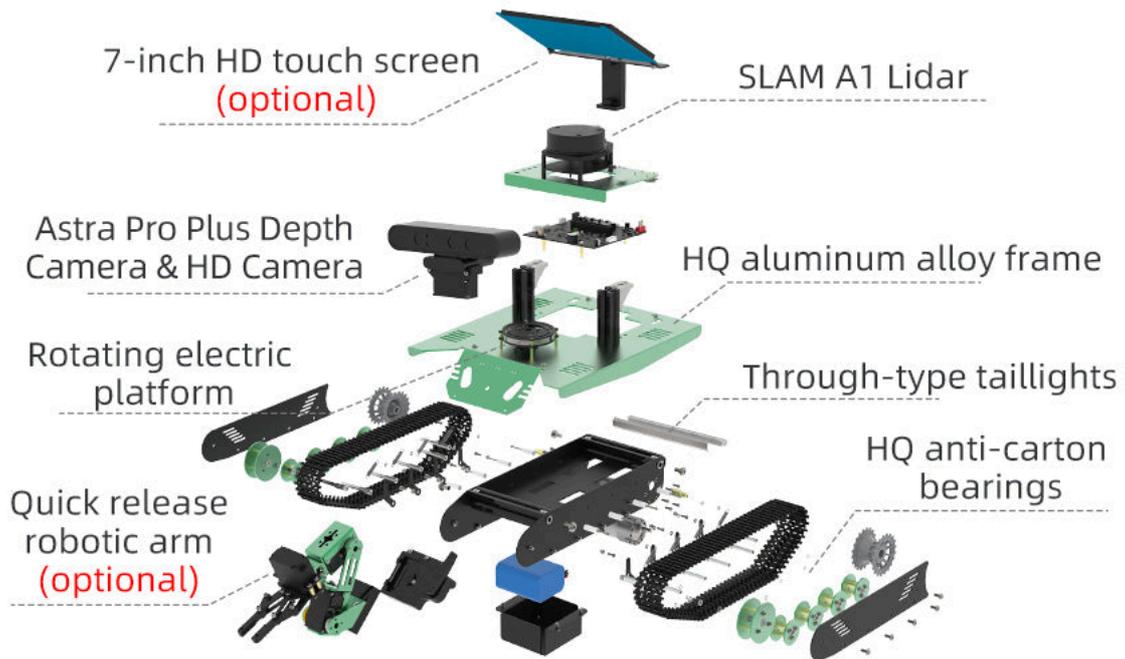
9.ROS Lidar (SLAM) course



10.ROS robotic arm Movelt control course



If you want to watch the video tutorial, you can search for "Yahboom" on Youtube.



The overall structure of this product has applied for a utility model patent, patent number: 202122169981.0



3 DOF robotic arm

Bus servo can read the servo angles in real time, and can control the robotic arm through Movelt simulation.



Astra Pro Plus depth camera

Realizes 3D point cloud map, depth map, KCF tracking and other functions, combined with lidar can complete RTAB 3D map navigation.



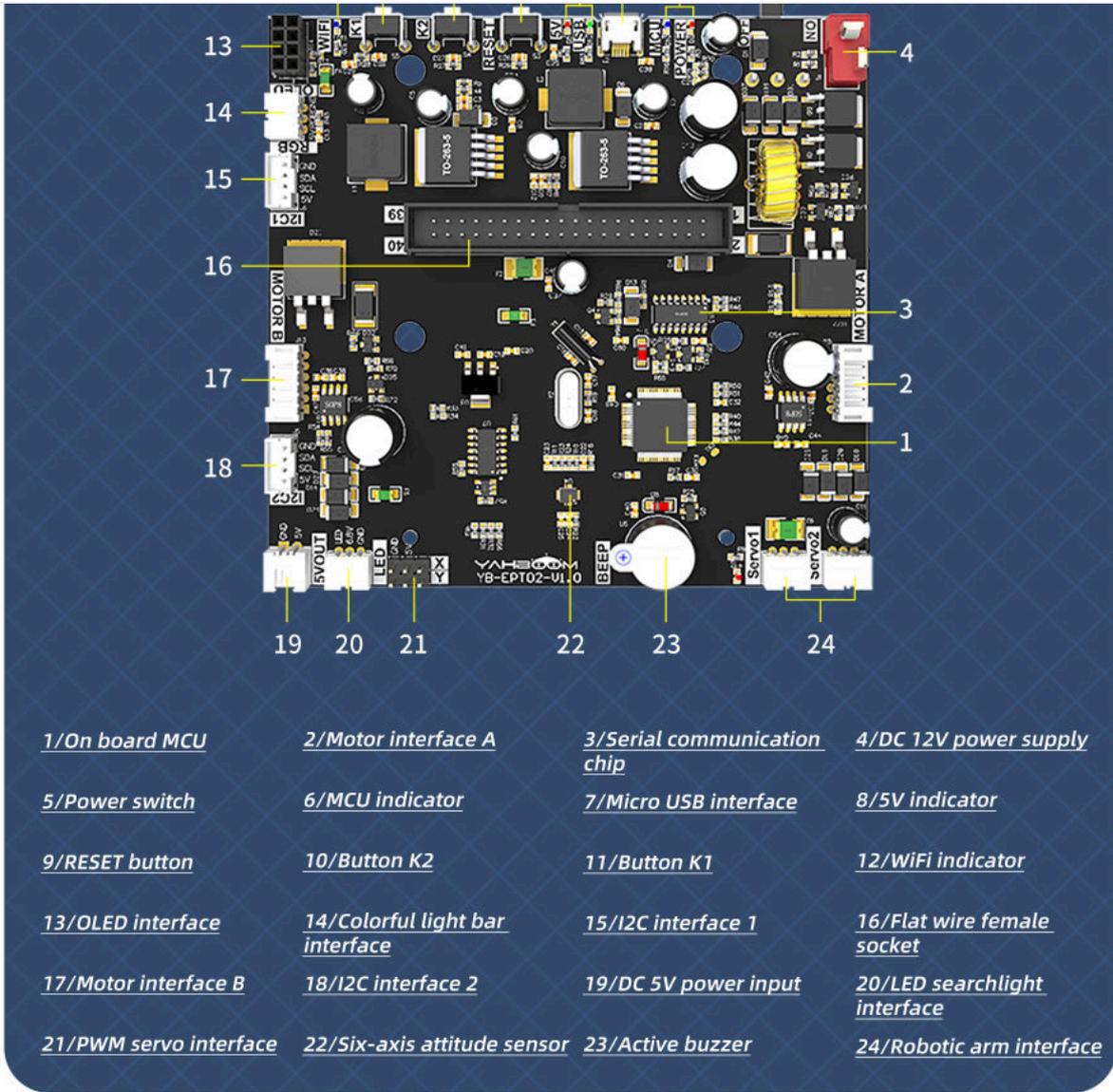
SLAM A1 Lidar

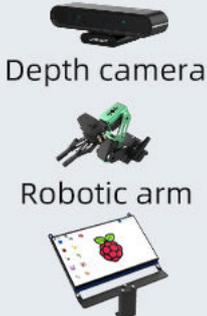
Indoor 2D plane scanning and mapping, single-point and multi-point navigation, avoiding and follow functions.



7-inch HD touch screen

Convenient to debug ROS robot.



| | | |
|--|---|---|
| <p>configuration 2</p> <p>Recommended reason: joint calibration of depth camera and lidar, 3D visual navigation</p> |  |  <p>+</p>  <p>Frame</p> <p>Depth camera</p> |
| <p>Recommended configuration 3</p> <p>Recommended reason: Experience the Movelt simulation control manipulator.</p> |  |  <p>+</p>  <p>Frame</p> <p>HD camera</p> <p>Robotic arm</p> |
| <p>Recommended configuration 4</p> <p>Recommended reason: Easy to debug ROS robot.</p> |  |  <p>+</p>  <p>Frame</p> <p>Depth camera</p> <p>Robotic arm</p> |
| <p>Recommended configuration 5</p> <p>Recommended reason: Full configuration, users can debug the robot anytime and anywhere.</p> |  |  <p>+</p>  <p>Frame</p> <p>Depth camera</p> <p>Robotic arm</p> <p>7inch screen</p> |



7inch screen



Aluminum box size: 41.5cm*28cm*28cm
 Product weight: 6.0kg ~ 7.2kg (the weight will vary according to different configurations)

Help



Any version Transbots are shipped in black customized aviation aluminum box.

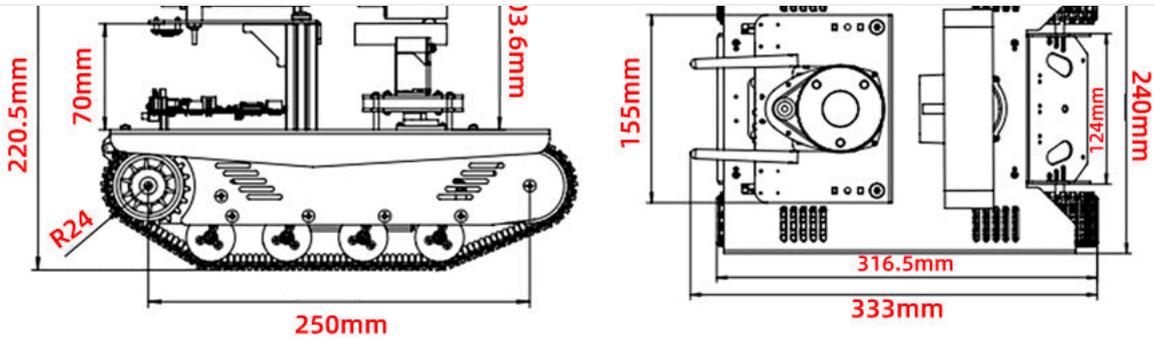


All accessories are brand new and original.

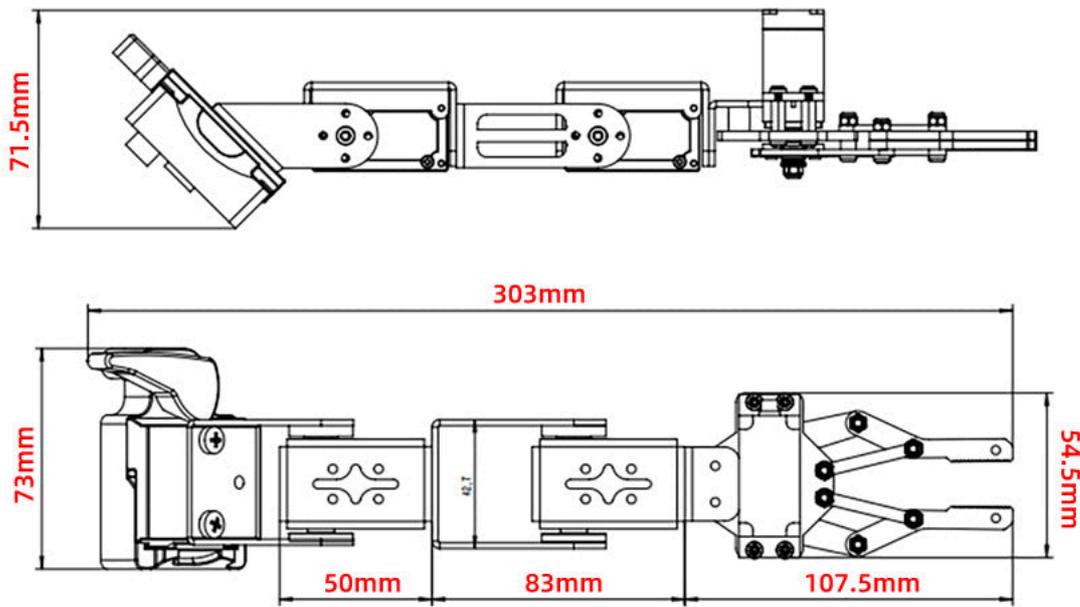


After the vehicle is installed, you can also use this aluminum box for storage, and the aluminum box has enough space for the entire vehicle to be stored.

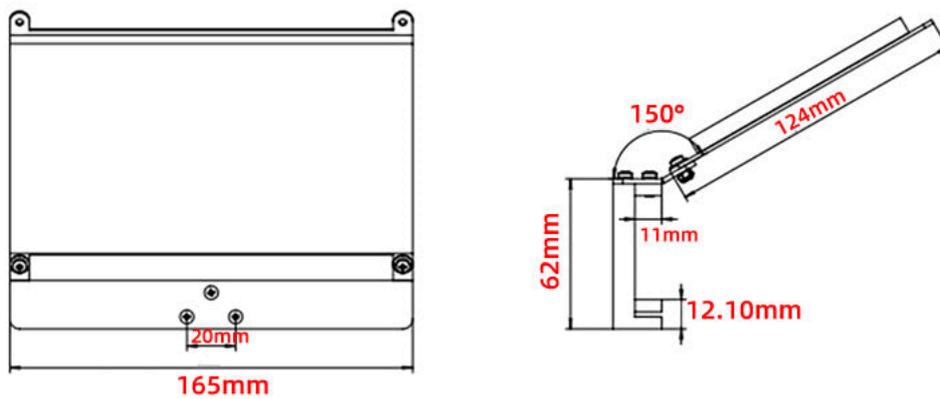
Details



2、Robotic arm size parameters



3、7-inch display screen size parameters



| | | | |
|--------------------|---|----------------------|--|
| Enter | HD camera (Astra Pro Plus depth camera), SLAM A1M8 lidar, PS2 wireless handle, six-axis attitude sensor, motor speed measuring code wheel | Output | RGB colorful taillights, buzzer, 520 motor interface*2, bus servo interface, servo pan/tilt, LED searchlight, OLED display |
| PTZ servo solution | Metal 9G steering gear | Power scheme | 12.6V 4400mah 2C lithium battery pack |
| Battery life | 2 hours | power interface | T-shaped power supply interface, DC4.0*1.7 charging interface |
| Remote control | Mobile APP, PC computer, PS2 wireless controller | Way of communication | WiFi network (LAN/AP) |
| Safety protection | overcurrent protection | Body material | Anodized aluminum alloy |

| Astra Pro Plus depth camera product parameters | | | |
|--|---|---------------------|--|
| 3D technology | ORBBECR monocular structured light | Range | 0.6-8m |
| Precision | 1m: ±3mm | Field of View (FOV) | H 58.4° ×V 45.8° |
| Resolution | 640 ×480@30fps 320×240@30fps 160x 120@30fps | Frame rate | 1920*1080@30fps 1280*720@30fps 640*480@30fps |
| Advanced Processing Chip | MX6000 | Close protection | support |
| RGB field of view | H66.73° V40.19° @1920*1080 H66.99° V40.37° @1280*720 H60.60° V46.81° @640*480 | UVC(RGB) | support |
| Supported operating system | Android / Linux / Windows | Data interface | USB2.0 |
| Size | 164.85* 48.25* 40 | Microphone | two-channel stereo |
| Power consumption | <2.5W | Safety | Class1 laser |
| Operating temperature | 10°C-40°C | | |

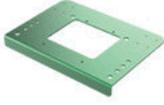
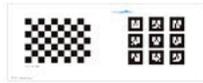
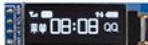
| | | | |
|---------------------|----------------|-----------------------|--|
| Storage temperature | -20°C to +60°C | Operating temperature | with the increase of the frame rate. The high temperature of the camera chip is normal when the frame rate is used)) |
|---------------------|----------------|-----------------------|--|

| YB-PO9M metal servo (electric rotating platform) | | | |
|--|--------------------------------|---------------|-----------------------------|
| Servo | YB-P09M | Maximum angle | 180° |
| Voltage | 4.8-6V | Torque | 1.5kgf.cm 4.8V/1.8kgf.cm 6V |
| Reaction speed | 0.12sec/60°4.8V/0.10sec/60° 6V | Servo type | Digital servo |
| Gear | Metal gear | Weight | 14g |

| Serial bus servo parameters (Robotic arm) | | | |
|---|--|-----------------------------------|---|
| Servo YB-S06 (mechanical claw 6KG) | | Servo YB-SD15M (robotic arm 15kg) | |
| Maximum angle | 90° | Maximum angle | 300°±15° |
| Voltage | 4.8V-6V | Voltage | 6.0-7.4V |
| Torque | 8kgf.cm 6V | Torque | 15kgf.cm 7.4V |
| Reaction speed | 0.20sec/60° 6V | Reaction speed | 0.30sec/60° 7.4V |
| Servo type | Serial bus servo | Servo type | Serial bus servo |
| Gear | Plastic gear | Gear | Metal gear |
| Weight | 52±1g | Weight | 50±1g |
| Working dead zone | 5µs | Working dead zone | 5µs |
| Characteristic | Locked rotor 5s power-off protection, lifting weight 5kgf.cm clutch protection | Characteristic | Locked for 3 seconds to enter the protection, and receive a new signal to release |

| 520 encoder motor parameters (robot power motor) | | | |
|--|-------------------------------------|--------------------------|--------------|
| Rated voltage | 12V | Rated power | ≤4W |
| Motor type | Permanent magnet with brush | Locked-rotor current | 4A |
| Locked-rotor torque | 8.3kgf.cm | Rated current | 0.3A |
| Rated torque | 6.5kgf.cm | Reduction ratio | 1:56 |
| Speed before deceleration | 12000 | Speed after deceleration | 205±10rpm |
| Output shaft | 6mm diameter D-type eccentric shaft | Encoder type | Hall encoder |
| Number of lines | 11 | Supply voltage | 3.3-5V |
| Interface Type | PH2.0 | | |

| Power battery pack parameters | | | |
|-------------------------------|-------------|---------------------------|---|
| Capacity | 4400mAh | Rated discharge current | 8.8A (2C) |
| Size | 68*55*37mm | Maximum discharge current | 10A |
| Weight | 300g | Plug | T-plug discharge+4017 female |
| Charger | 12.6V 800mA | Protect | Over current, over charge, over discharge, short circuit protection |

| | | | | |
|--|---|---|--|--|
|  Frame |  Lidar fixed plate |  Optional Raspberry Pi 4B |  Raspberry Pi accessory kit |  Expansion board |
|  USB wireless handle |  Handle mobile phone holder |  Charger |  Several cables |  micro USB data cable |
|  Cable tie |  Screwdriver |  Mechanical code & checkerboard paper |  Card reader + TF card |  transbot manual |
|  Parts package |  OLED screen |  Battery pack |  Battery case |  Packing box + anti-collision sponge |
| SLAM A1 Lidar pack |  SLAM A1 Lidar |  micro USB data cable |  No.6 package | |

Help

| HD camera pack | | | |
|--|---|--|---|
|  HD camera + searchlight |  HD camera bracket (assembly) |  Several cables |  No.5 package |

| Astra Pro Plus depth camera pack | | | |
|--|--|--|---|
|  Astra Pro Plus depth camera |  Depth camera support (assembly) |  Depth camera fixed bracket |  No.4 package |



Tutorial link

[Yahboom Raspberry Pi Transbot Robot](#)

Customer Reviews



[Write a review](#)

Help

Most Recent

E **Elia Ferrari** 10/29/2024

Molto bello
Complimenti bel lavoro, fatto bene e completo

D **Devendra Sookia** 10/11/2024

Just received the package, the packaging is as shown in the picture. I am very satisfied! I will bring it to my lab next week and officially start my DIY project.



L **Lucas Rodrigues Souza** 05/17/2023

I was really impressed with this Raspberry Pi Tracked Transbot Car. First, its structural design and build quality are excellent. The trolley is made of strong and durable materials, ensuring its stability and durability.

Secondly, I am very satisfied with the control and programming flexibility of it. With Raspberry Pi, we can customize and optimize the behavior of the car. It allows us to write our own code to implement various functions such as automatic navigation, path planning, etc.

In the end, the performance and responsiveness of the little car is excellent. It responds quickly to commands and moves with just the right speed. This makes controlling and operating the trolley smoother and easier.

Last week, I purchased this Raspberry Pi Transbot car from this website and I am generally satisfied with my purchase. Shipping list include all the necessary parts and tools for assembly, which was straightforward.

The AI capabilities are impressive and the car is able to detect and avoid obstacles with relative ease. However, the programming was a bit more challenging than I anticipated and I had to do some research and troubleshooting to get it working properly.

Additionally, the seller's customer service could have been more responsive to my inquiries.



★★★★★ 03/23/2023

B Benjamin Netanyahu

As an experienced programmer, I was looking for a challenge and this programming car delivered. The open-source platform allowed me to customize the code to my liking and the car's functionality is impressive. It's fast, responsive and the sensors work flawlessly. Thanks for fast and safe logistics from Yahboom!



1 2 3 > >|

Help

Questions & Answers

Have a Question?

Ask a Question

I will I will draft an order and send it to you.

Q I bought it, but I have an error with the astra camera launching , also the frame rate is very low (1 fps), is there a method to modify this?

A Hello friend, Sorry for lata reply. Could you send your question to this E-mail:support@yahboom.com Our Technical Support will reply you ASAP.

Q Can this recognize other things (not faces). For example, a date bunch?

A Hello friend, Thanks for your message. This is a programmable product, and we currently only provide routines to recognize a person's face. If you need to identify a group of people, you can do that by modifying the code.

Q If I formatted the memory by wrong, how could I restore the files again? Can I get another memory card?

A Hi friend, Could you contact our technical support is via email or WhatsApp. He will provide professional services to help you solve the problem ASAP. E-mail: support@yahboom.com WhatsApp: +86 18682378128

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