

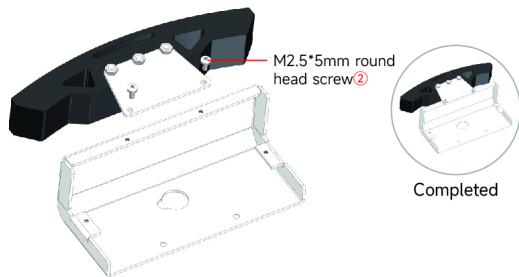
Assembly steps

| Packing List | | | | Assembly Steps | | | |
|---|---------------------------------------|---|-----------------------------------|----------------|--|--|--|
| A photograph of a black rectangular chassis with two circular cutouts for motors. | Chassis (motor and wires assembled) | A photograph of a black 2DOF Pan-Tilt-Zoom camera unit. | 2DOF PTZ | | | | |
| A photograph of a green Raspberry Pi 5 Model B+ board. | Raspberry Pi 5 (Optional) | A photograph of a black aluminum heat sink designed for the Raspberry Pi. | Cool cooler Pi 50 | | | | |
| A photograph of a black EVA anti-collision strip. | EVA anti-collision cotton | A photograph of a clear acrylic front panel for the enclosure. | Front cover | | | | |
| A photograph of a black rear panel for the enclosure. | Rear cover | A photograph of a black lidar unit with a small printed circuit board attached. | MS200 Lidar + adapter board | | | | |
| A photograph of a black expansion board with various components and connectors. | Expansion board | A photograph of a blue 7.4V LiPo battery. | 7.4V power supply | | | | |
| A photograph of a white rectangular acrylic board with mounting holes. | Anti collision cotton extension board | A photograph of a clear acrylic battery tray. | Battery acrylic board | | | | |
| A photograph of a black and silver whip-style antenna. | Antenna | Three small white plastic bags labeled 1, 2, and 3. | Accessories kits | | | | |
| A photograph of a black USB-C to USB-A charger cable. | Charger | A photograph of a black USB remote control handle and three AAA batteries. | USB wireless handle + AAA battery | | | | |
| A photograph of a manual booklet. | Manual | A photograph of a blue and red screwdriver. | Screwdriver | | | | |
| A photograph of a red microSD card and a black card reader. | TF card + Card reader | A photograph of a black cable assembly. | Cables | | | | |

1. Install EVA anti-collision cotton



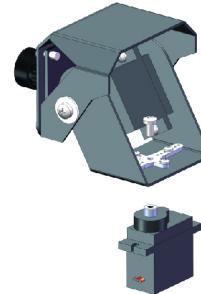
2. Connect EVA anti-collision cotton to front cover



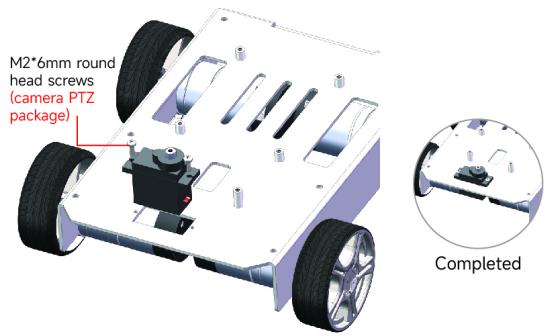
3. Install 2DOF PTZ

3.1 Disassemble servo

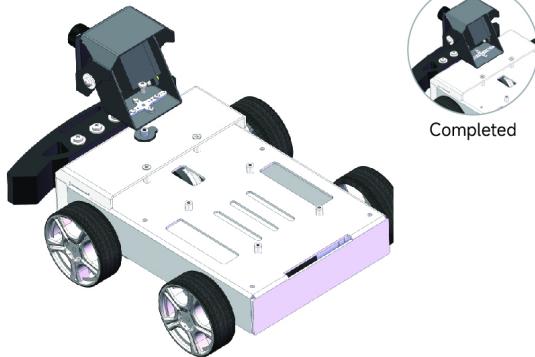
(Note: do not twist the servo when disassembling the servo)



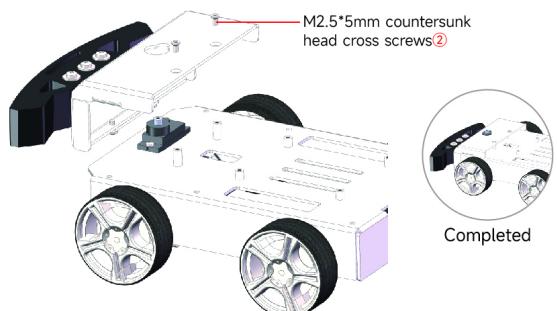
3.2 Install servo



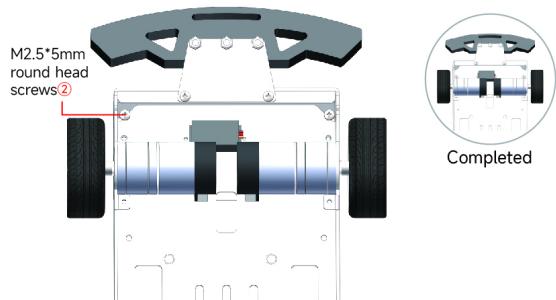
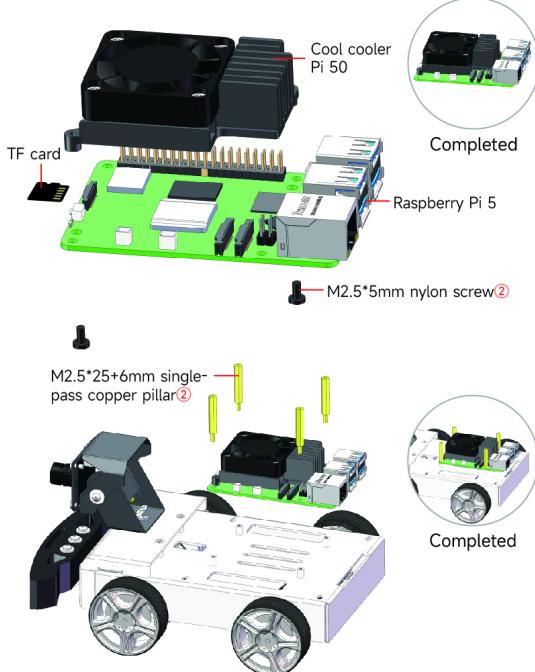
3.4 Install camera



3.3 Install MicroROS front cover

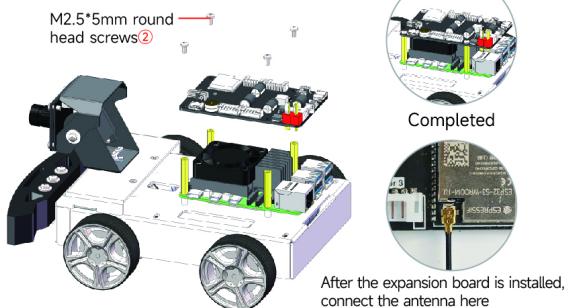


4. Install Cool cooler Pi 50

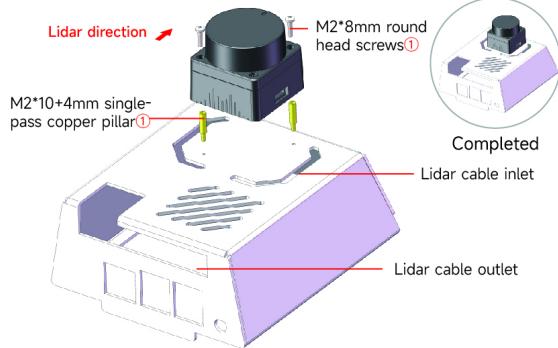


5. Install MicroROS expansion board

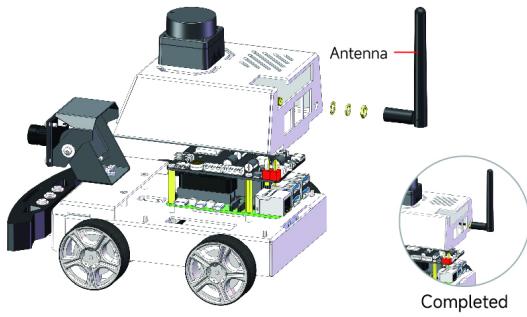
(After installation, connect the Type-C to Type-C cable properly.
Please refer to the wiring diagram for details.)



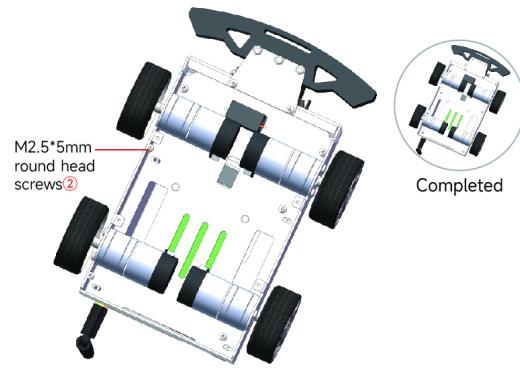
6. Install Lidar(Lidar wire passes through the cable inlet and out from the cable outlet)



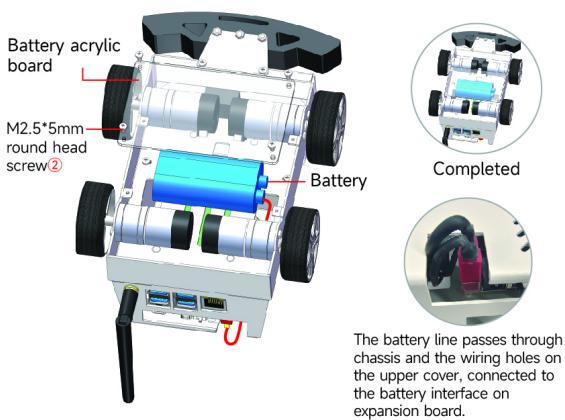
7. Install Antenna



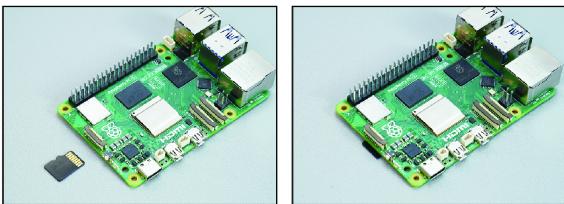
8. Install top cove



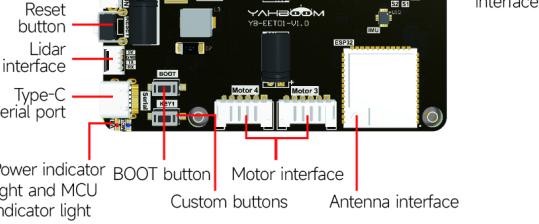
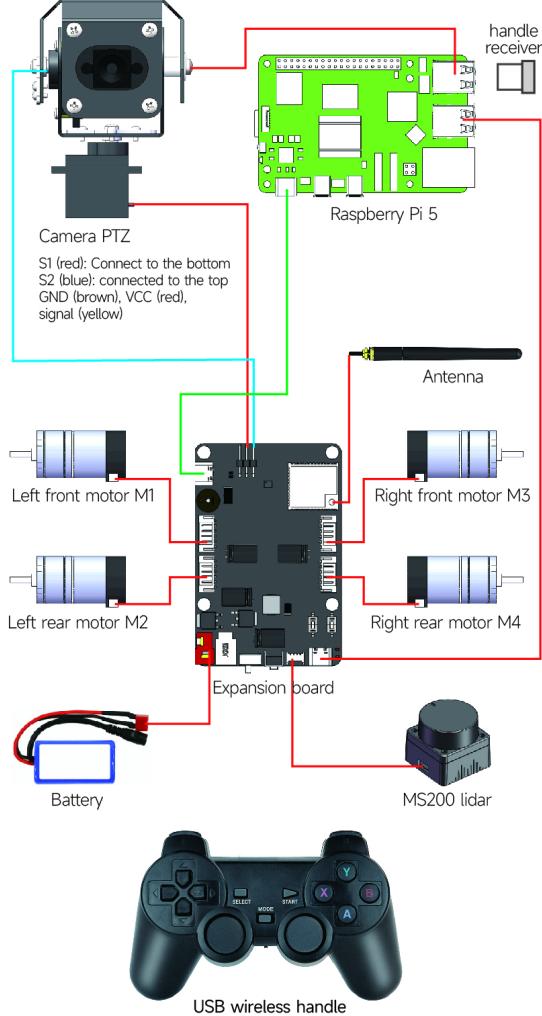
9. Install battery



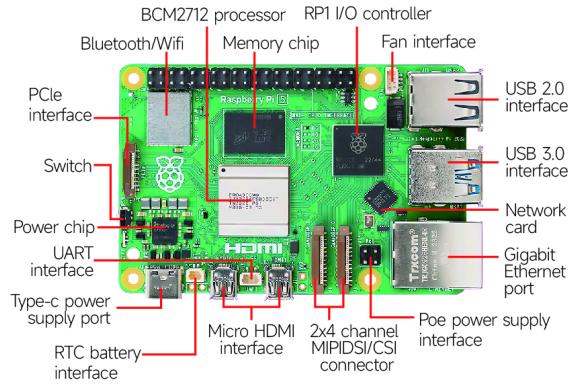
Install TF card



Expansion Board Wiring Diagram



Raspberry Pi 5 Function Distribution



Sticker installation



