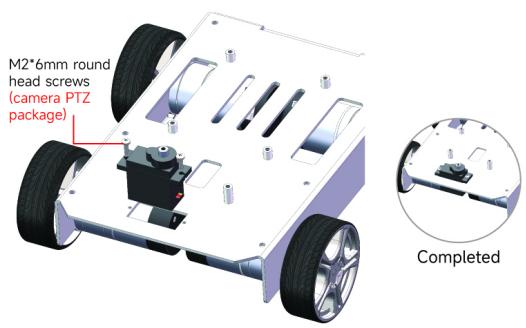


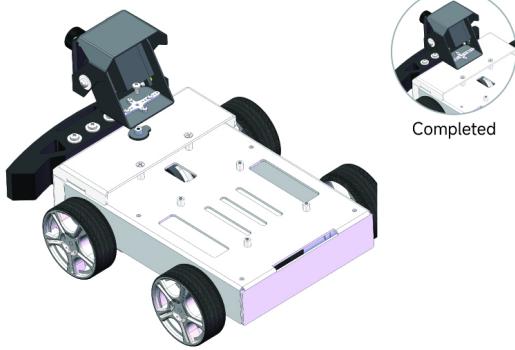
Assembly steps

Packing List				Assembly Steps	
A photograph of the black plastic chassis with internal electronic components and wiring.	Chassis (motor and wires assembled)	A photograph of the 2DOF Pan-Tilt-Zoom camera unit.	2DOF PTZ	1. Install EVA anti-collision cotton	
A photograph of the green Raspberry Pi 5 Model B+ board.	Raspberry Pi 5 (Optional)	A photograph of the black aluminum heat sink designed for the Raspberry Pi 50.	Cool cooler Pi 50	A diagram showing the assembly of the EVA anti-collision cotton onto the front cover. It includes three M3*25mm round head screws, three gaskets, and two M3 locking nuts. Labels indicate 'EVA anti-collision cotton', 'M3*25mm round head screw③', 'Gasket③', 'Anti collision cotton extension board', and 'M3 locking nut③'.	
A photograph of the white EVA anti-collision cotton sheet.	EVA anti-collision cotton	A photograph of the clear acrylic front cover panel.	Front cover	Completed	
A photograph of the clear acrylic rear cover panel.	Rear cover	A photograph of the black MS200 Lidar unit with its adapter board and a small ribbon cable.	MS200 Lidar +adapter board	2. Connect EVA anti-collision cotton to front cover	
A photograph of the green expansion board.	Expansion board	A photograph of the blue 7.4V power supply unit.	7.4V power supply	A diagram showing the front cover with the EVA anti-collision cotton installed. Two M2.5*5mm round head screws are shown being tightened into the cover. Labels indicate 'Front cover' and 'M2.5*5mm round head screw②'.	
A photograph of the clear acrylic anti-collision cotton extension board.	Anti collision cotton extension board	A photograph of the clear acrylic battery acrylic board.	Battery acrylic board	Completed	
A photograph of the black whip antenna.	Antenna	Three small white bags labeled 1, 2, and 3, which are part of the accessories kit.	Accessories kits	3. Install 2DOF PTZ	
A photograph of the black USB charger with a cable.	Charger	A photograph of the black USB wireless handle and a small green AAA battery.	USB wireless handle + AAA battery	3.1 Disassemble servo <i>(Note: do not twist the servo when disassembling the servo)</i>	
A photograph of the instruction manual booklet.	Manual	A photograph of the red screwdriver.	Screwdriver	A photograph of the black servo unit with its internal mechanical components visible.	
A photograph of the black TF card and its matching black card reader.	TF card + Card reader	A photograph of the black power and data cables.	Cables	Completed	

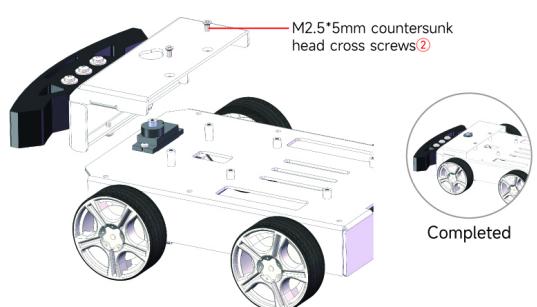
3.2 Install servo



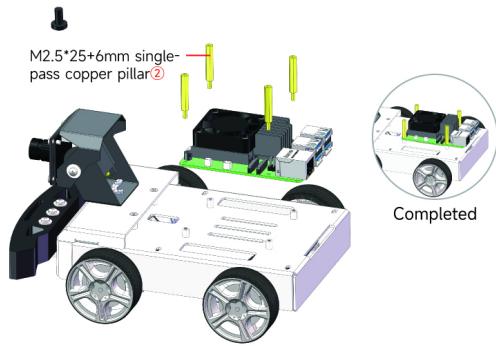
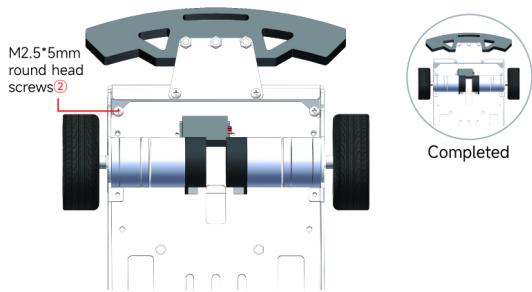
3.4 Install camera



3.3 Install MicroROS front cover

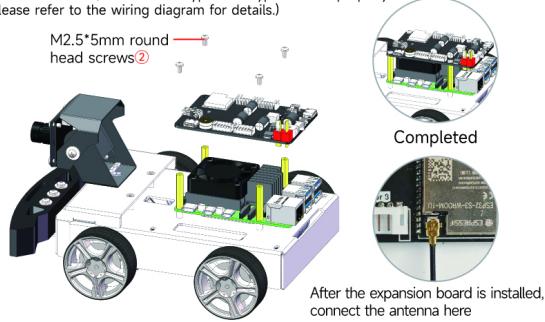


4. Install Cool cooler Pi 50

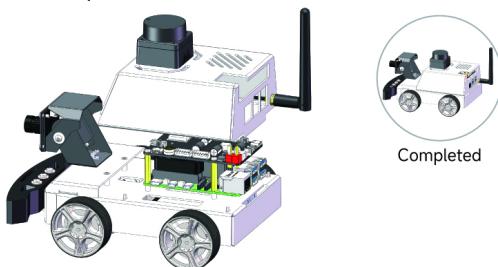


5. Install MicroROS expansion board

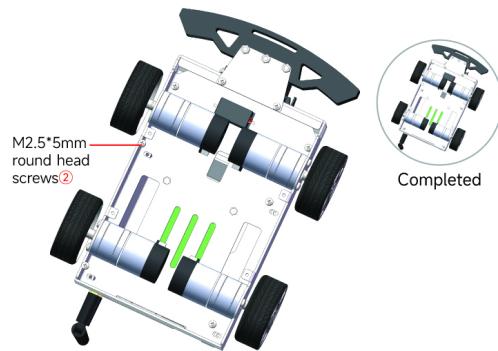
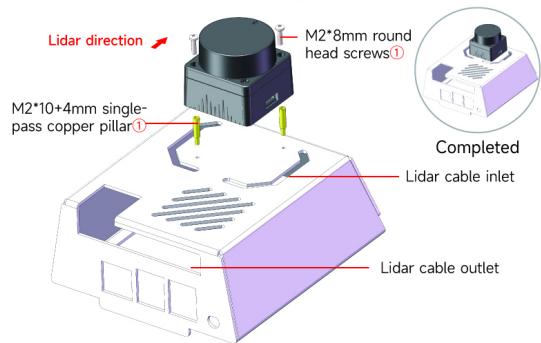
(After installation, connect the Type-C to Type-C cable properly.
Please refer to the wiring diagram for details.)



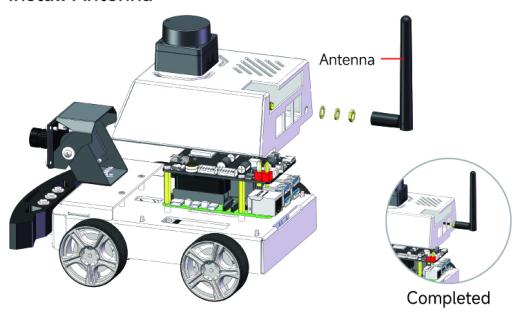
8. Install top cove



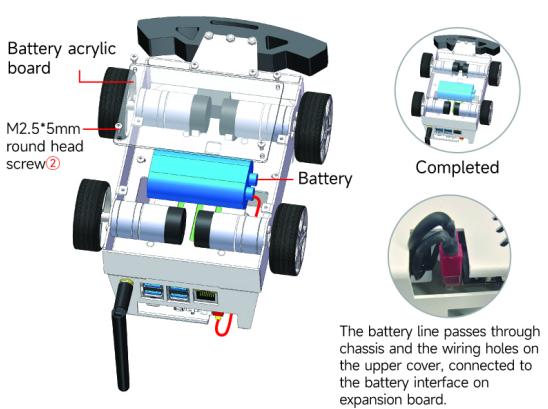
6. Install Lidar(Lidar wire passes through the cable inlet and out from the cable outlet)



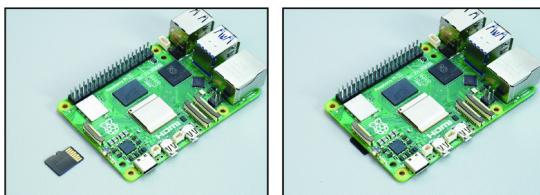
7. Install Antenna



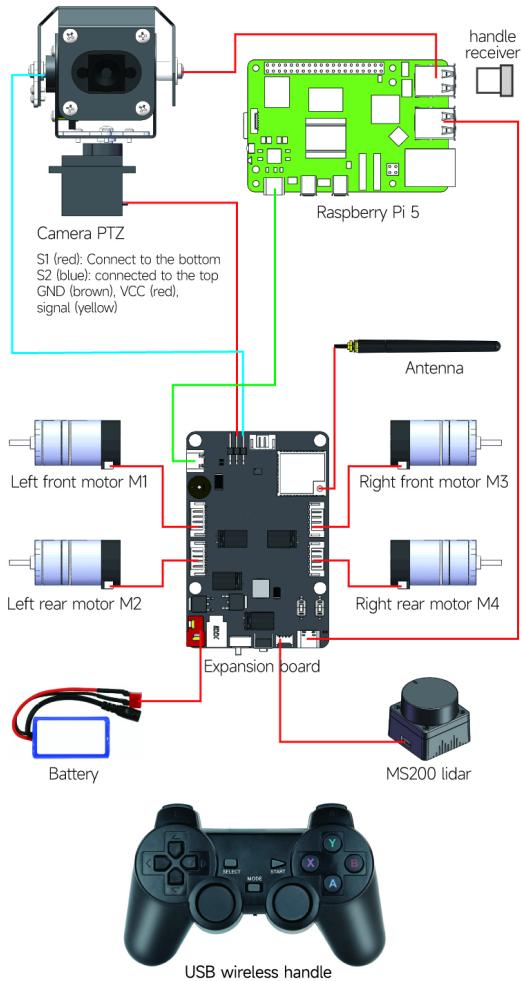
9. Install battery



Install TF card



Expansion Board Wiring Diagram



Sticker installation



