

	Step 1 Installing The Tracking Module			
	Acrylic Lower Base	M3*10 Countersunk	M2 Ni. 4a*0	
Parts	Plate	Head Phillips Screws*4	M3 Nuts*8	
List	Three-Way 5pin DuPont Cable with			
	Tracking Module	XH2.54 Terminals*1		
Splicing Diagram				
Notes	 Before installing the module, you can plug the DuPont cable into the corresponding port. Note that there are 8 nuts, and they should be installed in the right order. 			



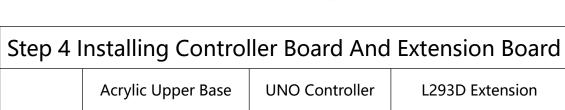
	Step 2 Installing The Copper Post.		
Parts	Acrylic Lower Base M3*10 Countersunk M3*40 Double F		M3*40 Double Pass
List	Plate	Head Phillips Screws*6	Copper Column*6
Splicing			
Notes	1.Pay attention to the not install the wrong	he installation position of g hole.	each copper post, do



	Step 3 Mounting The Motor		
	3.1 Mounting Motor Bracket		
Parts List	TT Motor*4	M3*30 Round Head Phillips Screws*8	M3 Nuts*8
Parts List	Metal Motor		
	Bracket*4		
Splicing Diagram	Bracket*4 Bump		
Notes	1.Note that the motor bracket should be mounted on the other side of the bump.2.Install the four motors using the same mounting method.		



Step 3 Mounting The Motor 3.2 Fix The Motor **Motor With Brackets** M3*10 Countersunk Head Phillips Parts List Installed*4 Screws*8 Splicing Diagram 1.Note the orientation of the four motors, with the motor bump Notes facing outward.



	Acrylic Upper Base	UNO C	ontroller	L293D Extension
5	Plate*1	Boa	ırd*1	Board*1
Parts List	M3*10 Countersunk	Head	M3*15	Double Pass Copper
	Phillips Screws*	8		Column*4
Splicing Diagram	Prillips Screws*8 Column*4			
	the acrylic plate.		_	on the acrylic plate and
Notes	assemble it from bottom 3. Note the orientation of board.	-	ontroller bo	pard and L293D extension

- 4. Do not blindly force when inserting the expansion plate to avoid damaging the stitches.
- 5. There is a screw on the UNO board can not be screwed if it does not go in.



Step 5 Installing Battery Case			
Parts List	Battery	M3*10 Countersunk Head	M2 No. 4x*4
Parts List	Case*1	Phillips Screws*4	M3 Nuts*4
Splicing Diagram			
Notes	1. Note the orientation of the battery case.		



Step 6 Mounting The Support Frame For The Servo Motor 6.1 Mounting The Servo Motor Parts Of Servo Support Servo Motor*1 Frame*1 Parts List M2*10 Round Head Phillips M2 Nuts*2 Screw*2 **Splicing** Diagram 1. Note that the spindle of the servo motor is above. 2. Pay attention to install the steering gear in the right side of the **Notes**

parts, as shown in the figure, to avoid errors in the assembly behind.



Step 6 Mounting The Support Frame For The Servo Motor 6.2 Assemble The Servo Motor Support Frame Parts Of Servo M3*10 Countersunk **Parts List** M3 Nuts*2 Support Frame*3 Head Phillips Screws*2 **Splicing** Diagram 1. Note that the nut needs to be stuck in the corresponding hole position first. **Notes** 2. Note that the hole of the support part needs to be on the same side as the

servo motor shaft, as shown in the figure, to avoid installing it backwards.



Step 6 Mounting The Support Frame For The Servo Motor 6.3 Fixed Servo Motor Support Frame M3*10 Countersunk Head M3 Nuts*4 Parts List Phillips Screws*4 Splicing Diagram

Notes

1. Pay attention to the direction and position of the servo motor.



	Step 7 Installing ESP32-CAM Module		
	7.1 Installing ESP32-CAM Module		
	Parts Of ESP32-Cam Support	CCD22 CANA+#+++1	
Parts List	Frame*1	ESP32-CAM 模块*1	
Parts List	M2*10 Round Head Phillips	M2 Nuts*4	
	Screw*4	IVIZ NUIS 4	
Splicing Diagram			
Notes	1.Pay attention to the direction of the screws and nuts.		



	Step 7 Installing ESP32-CAM Module		
	7.2 Install Servo Motor Rocker Arm		
	"1" Shape Servo Motor	M1.4*5 Self Tapping Screw*2	
Parts List	Rocker Arm*1	5	
T di to Liot	Parts Of ESP32-Cam Support		
	Frame*1		
Splicing Diagram			
Notes	1. Note the orientation and	position of the above two parts, as	
140103	shown in the figure.		



	Step 7 Installing ESP32-CAM Module		
	7.3 Assemble ESP32-C	AM Support Frame	
	Parts Of ESP32-Cam Support M3*10 Countersunk Head		
Parts List	Frame*3	Screws*2	
	M3 Nuts*2		
Splicing Diagram	M3 Nuts*2		
	1. Note that the nut should be placed in the corresponding hole		
Notes	position and held down. And then turn the screw.2. Note that the hole of the support part needs to correspond to the		
		r arm, which is on the lower side.	



	Step 8 Installing The Antenna Module		
Parts List	Antenna Module*1		
Splicing Diagram			
	1. First, you need to put the wire through the hole and buckle it to the corresponding position of the ESP32-CAM module.		
Notes	2. Note the order of the parts and install them in the order shown		
	above right.		



	Step 9 Fixing ESP32-Cam Support Frame		
	9.1 Installing Screv	vs And Gaskets	
Parts List	M3*14 Countersunk Head Phillips Screws*1	M3*7*4 Nylon Gasket*1	
Splicing Diagram			
Notes			



	Step 9 Fixing ESP32-Cam Support Frame		
	9.2 Inserting ESP32-Cam Support Frame		
Parts List	Assembled ESP32-Cam Support Frame		
Splicing Diagram			
Notes	1. Take care to hold the screw so that the screw and gasket don't fall off. The hole of the ESP32-CAM holder goes through the screw.		
	2. Put the servo motor on the rocker arm.		



	Step 9 Fixing ESP32-Cam Support Frame		
	9.3 Fixing The Frame		
Parts List	M3 Self-locking Nuts*1		
Splicing Diagram			
Notes	1.Twist until you can't twist it with your bare hand.		



Step 10 Installing Ultrasonic Sensor					
Parts List	Ultrasonic Sensor*1	Ultrasonic	4pin Dupont Wire With		
		Bracket*1	One XH2.54 Terminal*1		
	M1.6*10 Round Head Phillips Screws*4		M1.6 Nuts *4		
Splicing Diagram	WILL TO ROUTE THE TENT OF THE				
Notes	1. Before installing the module, the dupont head part of the 4pin				
	ultrasonic line can be inserted into the corresponding port. The red				
	color corresponds to VCC, and the black color corresponds to GND.				
	2. Note the orientation of the ultrasonic bracket.				

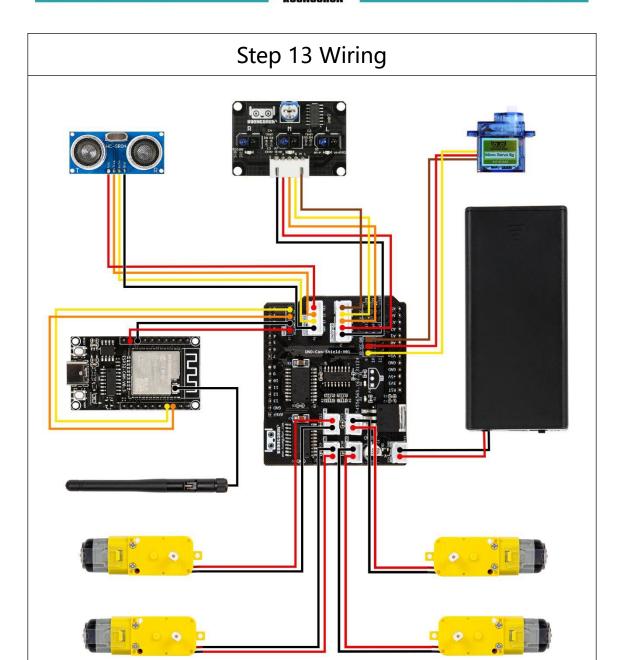


Step 11 Combine Upper And Lower Base Plates				
Parts List	Assembled Upper Base Plate	Assembled Lower Base Plate		
	Assembled Ultrasonic	M3*10 Countersunk Head Phillips		
	Bracket	Screws*6		
Splicing Diagram				
Notes	 Note that before merging, you can thread the wires of the ultrasonic and the tracing module through the round holes of the upper base plate for subsequent wiring. Note that the ultrasonic bracket snaps between the two plates. 			



Step 12 Mounting Wheels				
Parts List	Mecanum Wheels*4	M2*25 Round Head Self-Tapping Screw*4		
	Coupling Of Shaft*4			
Splicing Diagram				
Notes	shape of a cross.	the mounting of the small wheels in the		





- 1. Note the colors and pin locations.
- 2. The relative position of the motor is when the car head is facing left.