

Packing List

1. Electronic Modules

Picture	Name	Quantity
	Adeept Robot HAT V3.0	1
	Raspberry Pi Camera	1
	SR-04 Ultrasonic Module	1
	3-CH Line Tracking Module	1
	WS2812 RGB LED Module	4
	18650 Battery Holder	1

2. Transmission Parts

S12D3 Coupling x2



M4*4 Locking Screw x4



AD002 Servo Motor x6



GA12-N20 Gear Motor x2










Motor Seat Set x2



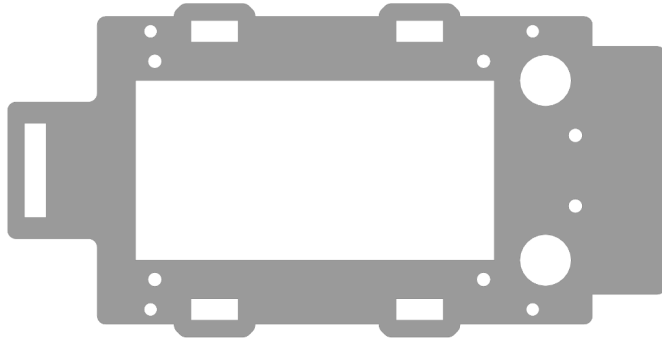
Track x2



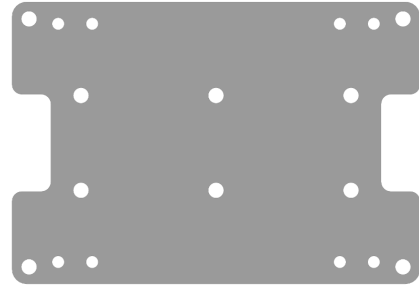
3. Fasteners

Hex Nuts M1.6 x12 M2 x22 M3 x16 	Round Head Screw M1.6*10 x8 M2*10 x16 M2*14 x6 M2.5*8 x10 M2.5*10 x12 M3*8 x24 M3*12 x11 M3*18 x1 M3*30 x2 M4*6 x2 
Lock Nut M3 x3 	
Copper Standoff M2.5*14 x4 M2.5*21 x4 M3*6 x2 M3*8 x1 M3*18 x8 M3*35 x2 	Copper Standoff M2.5*10+6 x4 
Nylon Standoff M3*30 x1 M3*40 x2 	Countersunk Head Screw M3*10 x5 

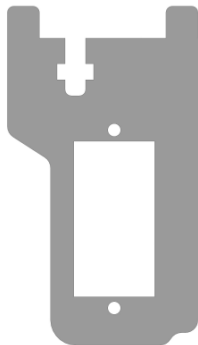
3. Acrylic Structural Parts



A01 1PCS



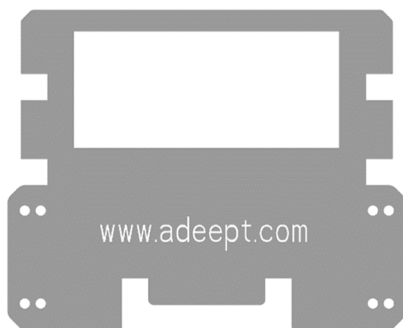
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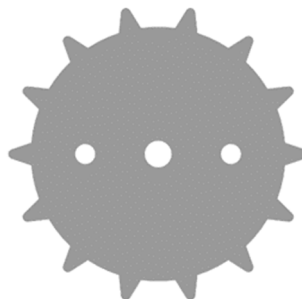
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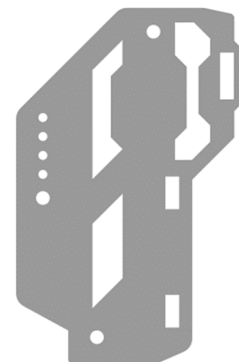
A04 2PCS



A05 1PCS



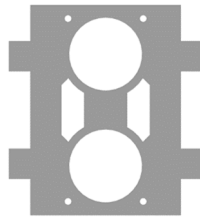
A06 6PCS



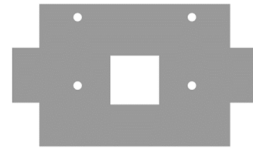
A07 1PCS



A08 1PCS



A09 1PCS



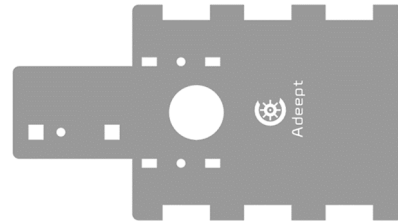
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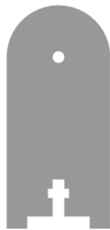
A11 2PCS



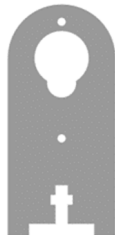
A12 4PCS



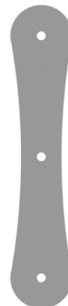
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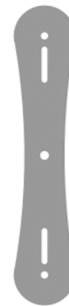
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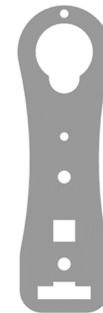
A15 1PCS



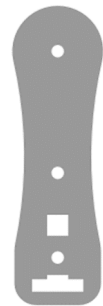
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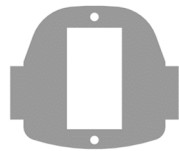
A17 1PCS



A18 1PCS



A19 1PCS



A20 1PCS



A21 2PCS



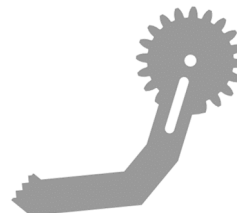
A22 1PCS



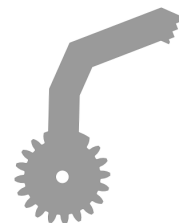
A23 1PCS



A24 3PCS



A25 1PCS









A26 1PCS








The acrylic structural parts are covered with a layer of protective film. You need to remove it first.

Some holes in the acrylic structural parts have residues, so you need to clean them before using it.

4. Cables

Picture	Description	Quantity
	Raspberry Pi Camera Cable for Raspberry Pi 3B/3B+/4B Usually a black cable	1
	Raspberry Pi Camera Cable for Raspberry Pi 5	1
	5Pin Cable for Line Tracking Module	1
	4Pin Cable for Ultrasound Module	1
	3Pin Cable for WS2812 RGB LED Module Already Packaged within WS2812 RGB LED Modules	4
	Servo Motor Extension Cable	1

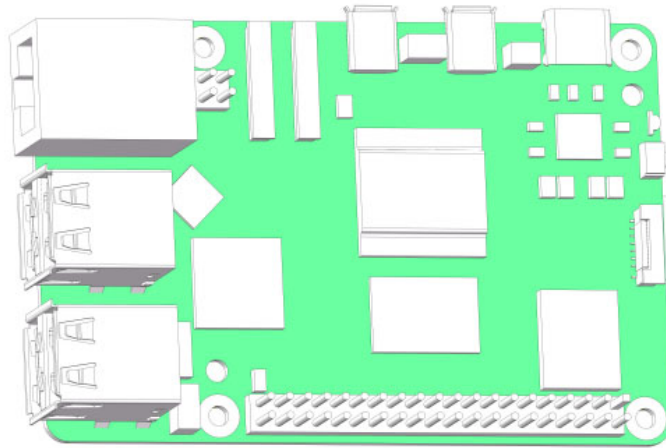
5. Tools

Picture	Name	Description	Quantity
	Wrench	Cross Socket Wrench	1
	Screwdriver	M4 Phillips Screwdriver	1
	Screwdriver	M2.0 Phillips Screwdriver	1
	Allen Wrench	L-style Allen Wrench-2.0mm	1
	Tweezer	Tweezer	1
Type-C USB Cable x1 			
Winding Pipe x1 			

Required but NOT Contained Parts!!!

- Raspberry Pi (Recommended model: Raspberry 4B / 3B+ / 3A+ / 3B / 5) x1

Raspberry Pi 5 software pwm function is poor, it is recommended to use Raspberry Pi 4.



- Choose 18650 batteries that supports a maximum output current of at least 4A or choose 18650 batteries with "high rate discharge".
- 16GB and above SD card (TF Card).