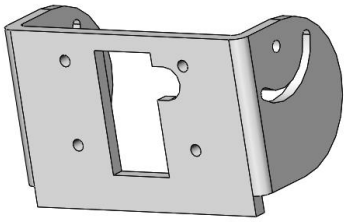
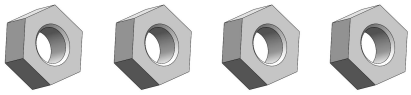
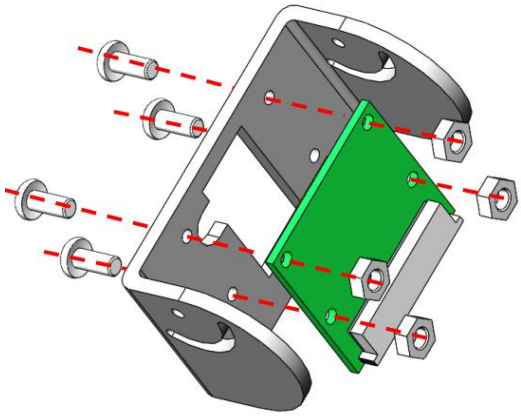
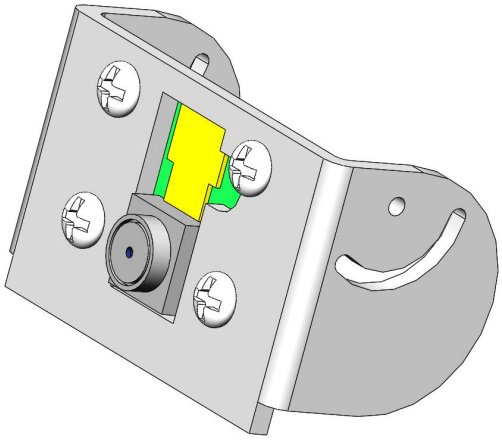
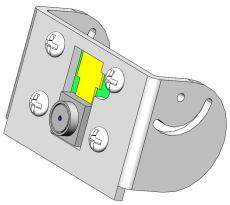
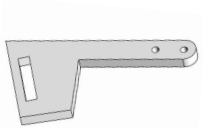
Assembly Tutorial

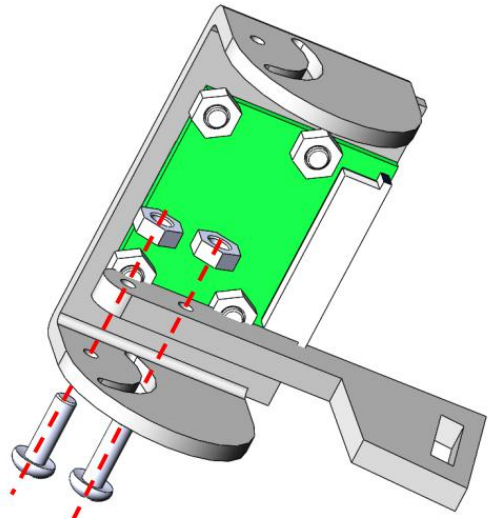
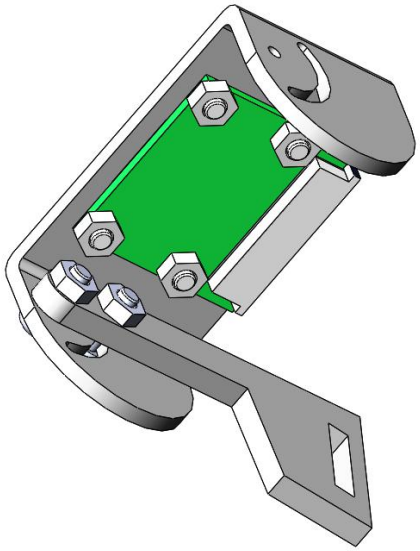
Note: Before assembly, we need to use a screwdriver to peel off the protective paper of the acrylic structure.

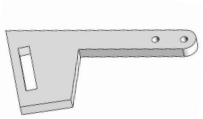
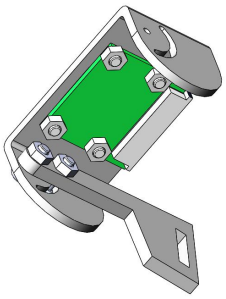
Assembly steps

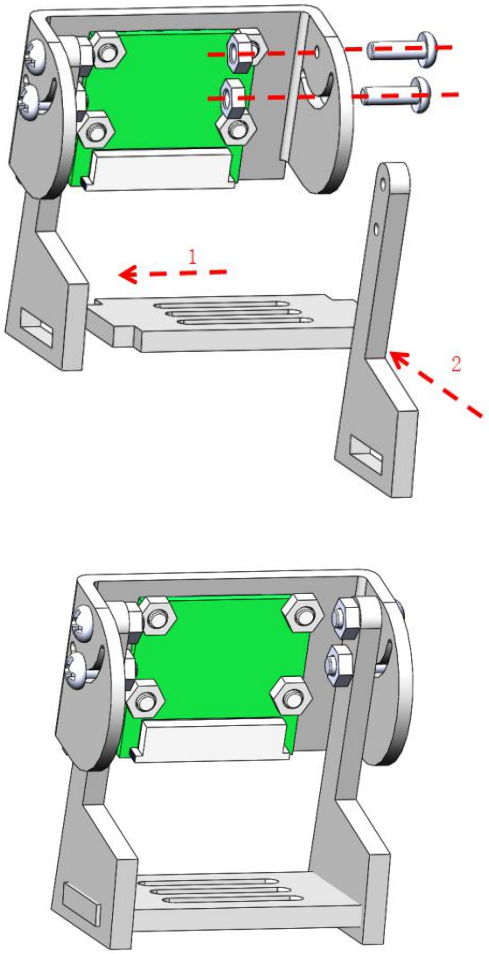
<table>
<tr><td colspan="2">Step 1</td><td>Name</td><td>Assembling the camera and the structural part A</td><td>Tool</td><td>M2 Phillips screwdriver</td></tr>
<tr><td colspan="2"></td><td colspan="3"></td><td> </td></tr>
<tr><td rowspan="4">Parts List</td><td>Part Name</td><td colspan="2">Quantity</td><td colspan="2">Parts Diagram</td></tr>
<tr><td>Structure A</td><td colspan="2">1 PCS</td><td colspan="2">  </td></tr>
<tr><td>Camera</td><td colspan="2">1 PCS</td><td colspan="2"> </td></tr>
<tr><td>M2 nut</td><td colspan="2">4 PCS</td><td colspan="2">  </td></tr>
</table>

	M2*6 round head screw	4 PCS	
Description			Installation diagram
Use M2*6 nylon screws and M2 nylon nuts to fix the camera on the structure A; Note: The installation direction of the camera is as shown in the figure.			 
Step 2	**Name**	**Structural part B and structural part A are installed**	**Tool** / **M2 Phillips screwdriver**

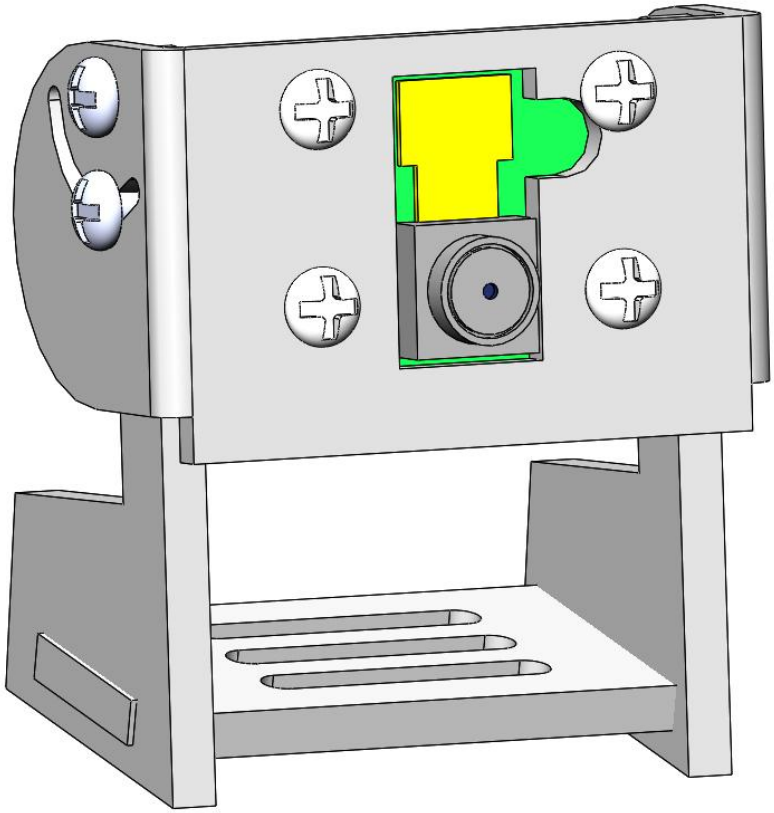
Parts List	Part Name	Quantity	Parts Diagram
	Step 1 Parts	1 PCS	
	Structural part B	1 PCS	
	M2 nut	2 PCS	
	M2*8MM round head screws	2 PCS	
Description			Installation diagram
Use M2*8 metal screws and M2 metal nuts to install structure B and step 1 parts.(Pay attention to the installation direction).			

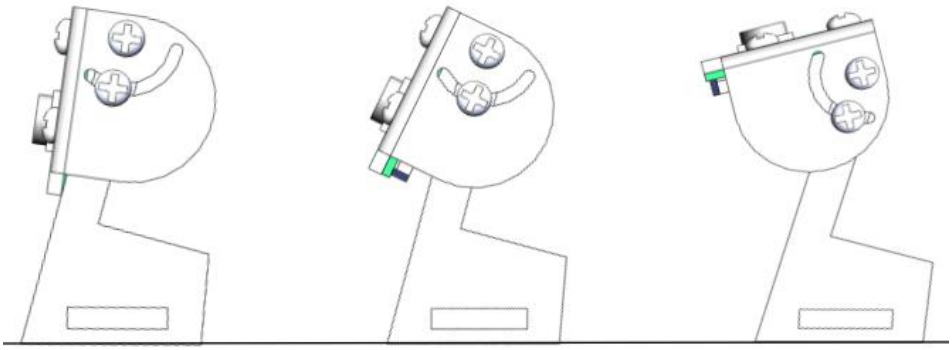
					 
Step 3		**Name**	**Step 2 Parts and structure C, structure B installation**	**Tool**	**M2 Phillips screwdriver**
Parts List	Part Name	Quantity		Parts Diagram	

	M2*8MM round head screws	2 PCS	
	M2 screws	2 PCS	
	Structure B	1 PCS	
	Step 2 Parts	1 PCS	
Description			Installation diagram
Insert structure C into the hole on structure B, and use M2*8 metal screws and M2 metal nuts to install another structure B on structure A.(Pay attention to the installation direction)			



Congratulations, an interesting camera bracket has been assembled.





Angle adjustment

Connect the Camera Module

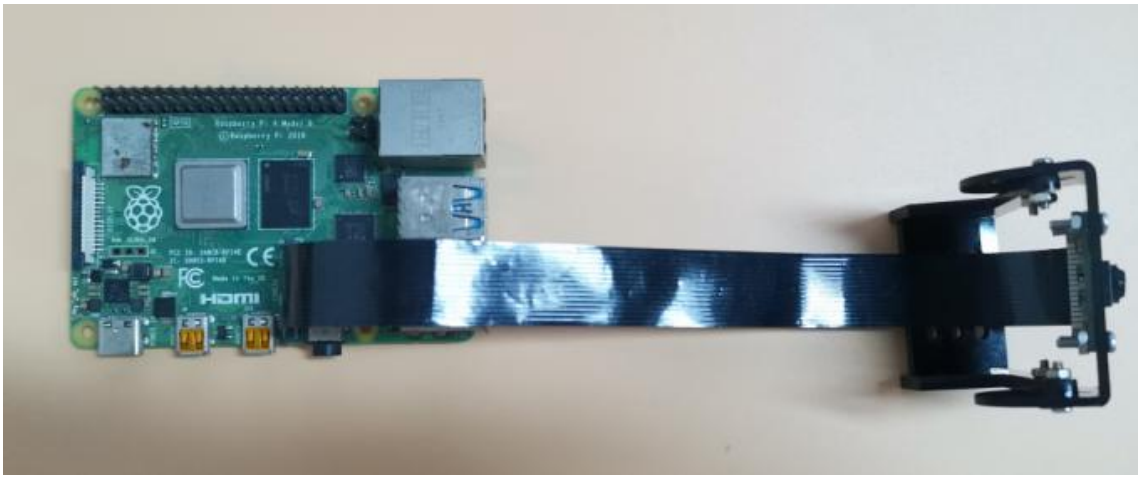
WARNING: Cameras are sensitive to static. Earth yourself prior to handling the PCB. A sink tap or similar should suffice if you don't have an earthing strap.

Ensure your Raspberry Pi is turned off.

All current models of Raspberry Pi have a port for connecting the Camera Module. Take Raspberry Pi 4 as an example.

The flex cable inserts into the connector labelled CAMERA on the Raspberry Pi, which is located between the Ethernet and HDMI ports. The cable must be inserted with the silver contacts facing the HDMI port. To open the connector, pull the tabs on the top of the connector upwards, then towards the Ethernet port. The flex cable should be inserted firmly into the connector, with care taken not to bend the flex at too acute an angle. To close the connector, push the top part of the connector towards the HDMI port and down, while holding the flex cable in place.

The metal side of the flex cable is in contact with the metal side of the Raspberry Pi camera interface.



If the camera and flex cable are not connected, connect the flex cable and the camera in the same way.

Raspberry Pi officially provides a detailed video tutorial: https://youtu.be/GImeVqHQzsE

Raspberry Pi Zero W/Zero

If you are using Raspberry Pi Zero W/Zero. You need to use a 15cm Ribbon cable for Raspberry Pi Zero W/Zero.

The wide end port connects to the camera, and the narrow end port connects to the Raspberry Pi Zero W/Zero.