[PICAM360-CAPT8MP]
[PICAM360-CAMTWDR]
with
[Raspberry Pi fixing Kit]
[PICAM360-PI3BSD]
Assembly Instructions

Volume 1.0

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Parts/Tools

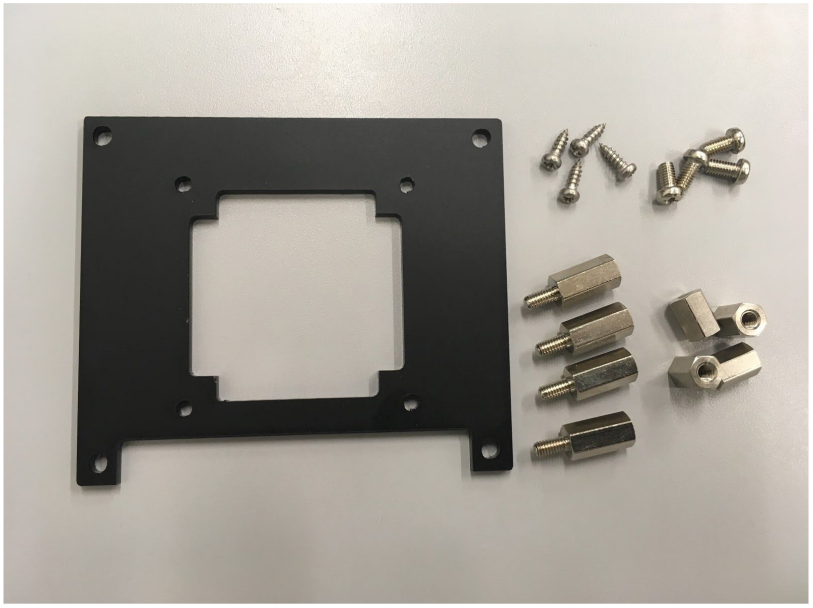
Parts List

[PICAM360-CAPT8MP / PICAM60-CAMTWDR]

- Picam360-Lens with Camera x 1
- USB Cable x 1
- 4P Connector x 1

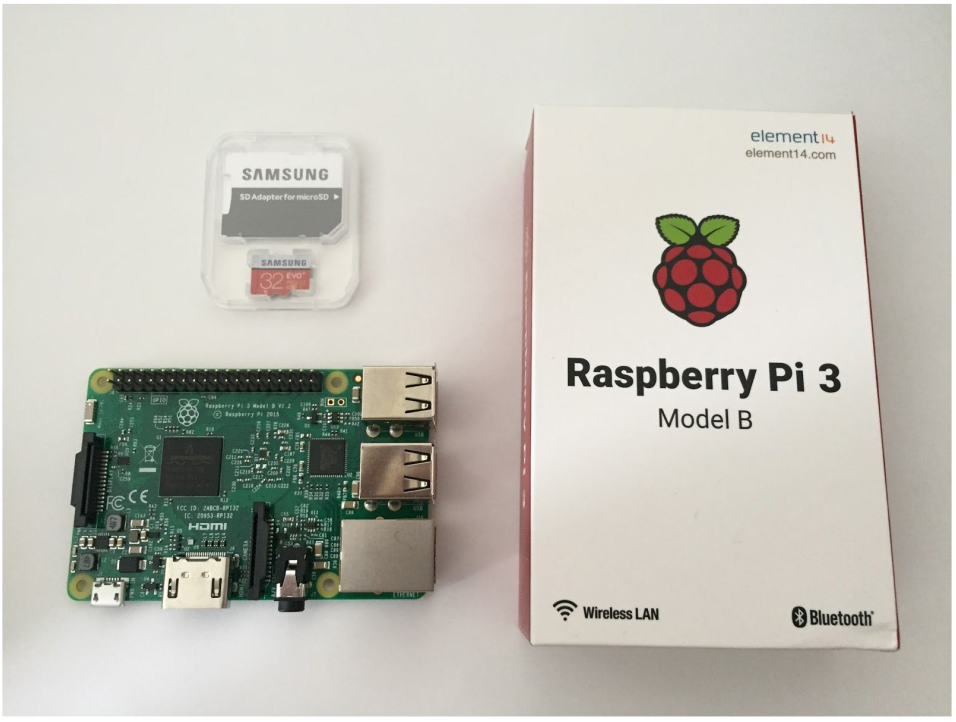
[Raspberry Pi fixing Kit]

- Acrylic Board x1
- Male/female hexagon spacer (M2.6 x 10) x 4
- Female/female hexagon spacer (M2.5 x 5) x 4
- Pan head screw x 4
- Tapping Screw x 4



[PICAM360-PI3BSD]

- Raspberry Pi 3 Model B x 1
- Software pre-installed SD Card x 1



Necessary Tools

Prepare the tools below.

- Screwdriver set (with smaller diameters)

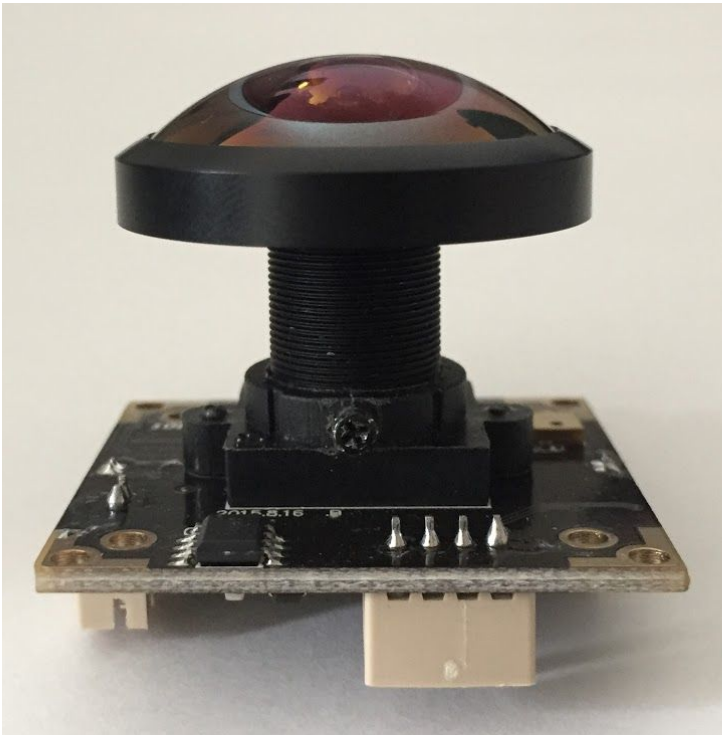
- Wrenches (with smaller diameters)
- Solering iron
- Antistatic gloves

Requirements for Settings on PICAM360-PI3BSD

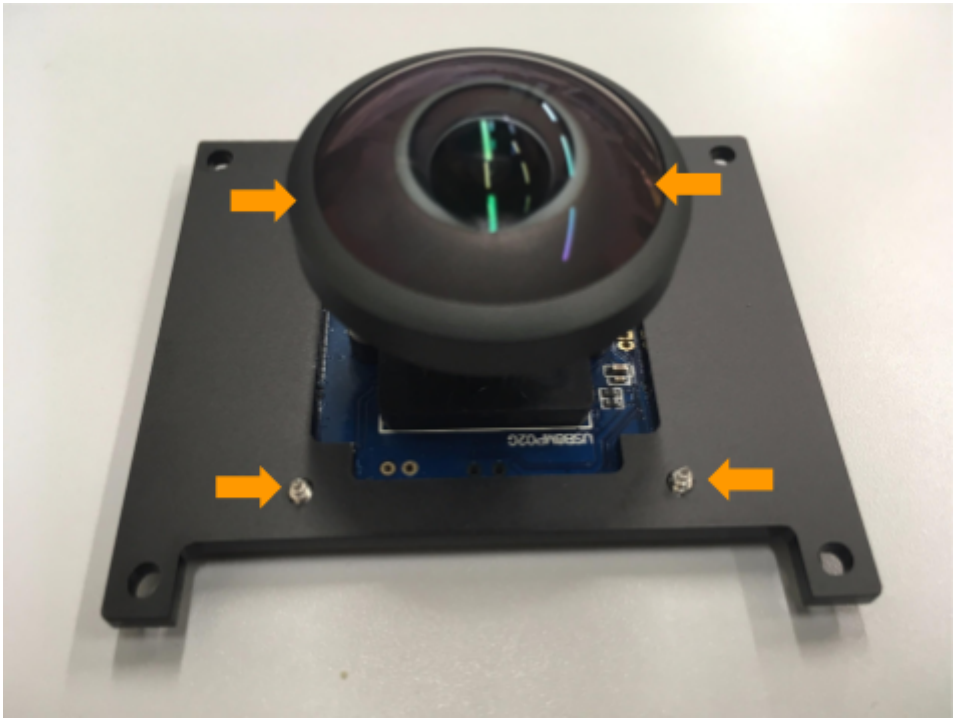
- Display connected with HDMI
- Keyboard connected with USB

Assembling the Camera Kit

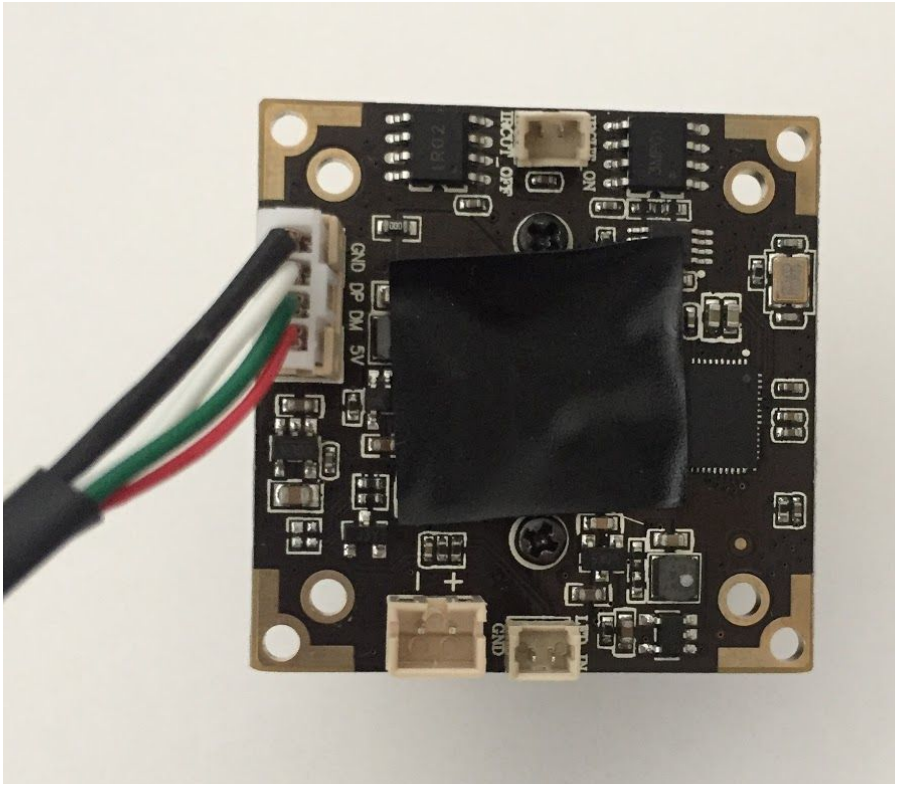
1. Solder the 4 pin connector according to the silk printing of the board. The connector can be mounted on either the top or the bottom. It depends on which space you want to utilize. When attaching to the top surface, pin assignment attention is required. Make sure that the ground notation and black of the cable correspond.



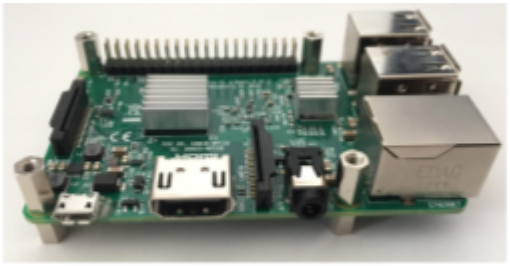
2. Fix the camera board to the acrylic board in 4 places with tapping screws from the bottom side.



3. Connect the USB cable to the connector on the Picam360-Lens with Camera.



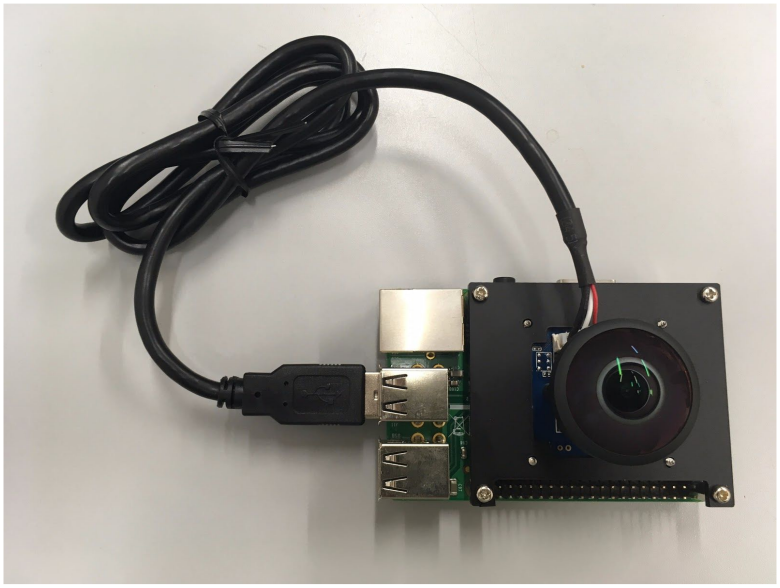
4. Attach the spacers to the Raspberry Pi as shown in the images below.



Side A with the male/female hexagon spacers

Side B with the female/female hexagon spacers

5. Attach the acrylic board and fix it to the Raspberry Pi with pan head screws. Connect the USB cable to the Raspberry Pi.



Configuring PICAM360-PI3BSD

Starting Raspberry Pi

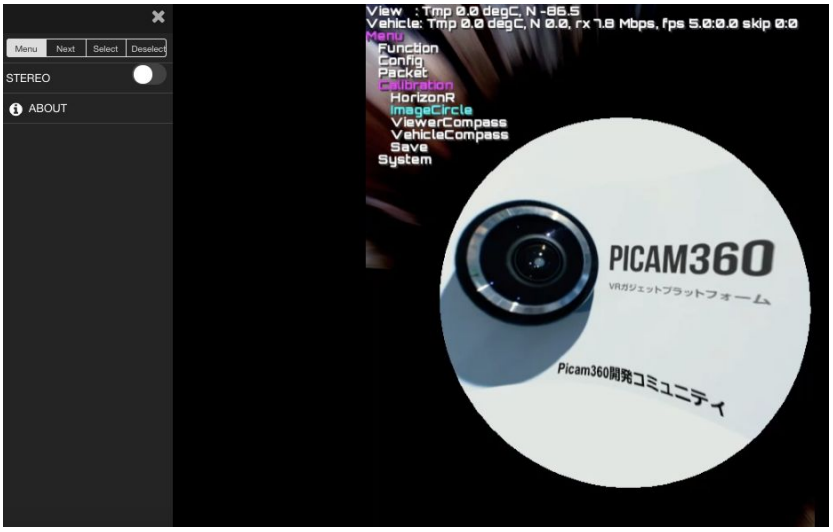
Insert the microSD card to the Raspberry Pi, and turn on the power from the microUSB port.

Checking Operations via Web Browser

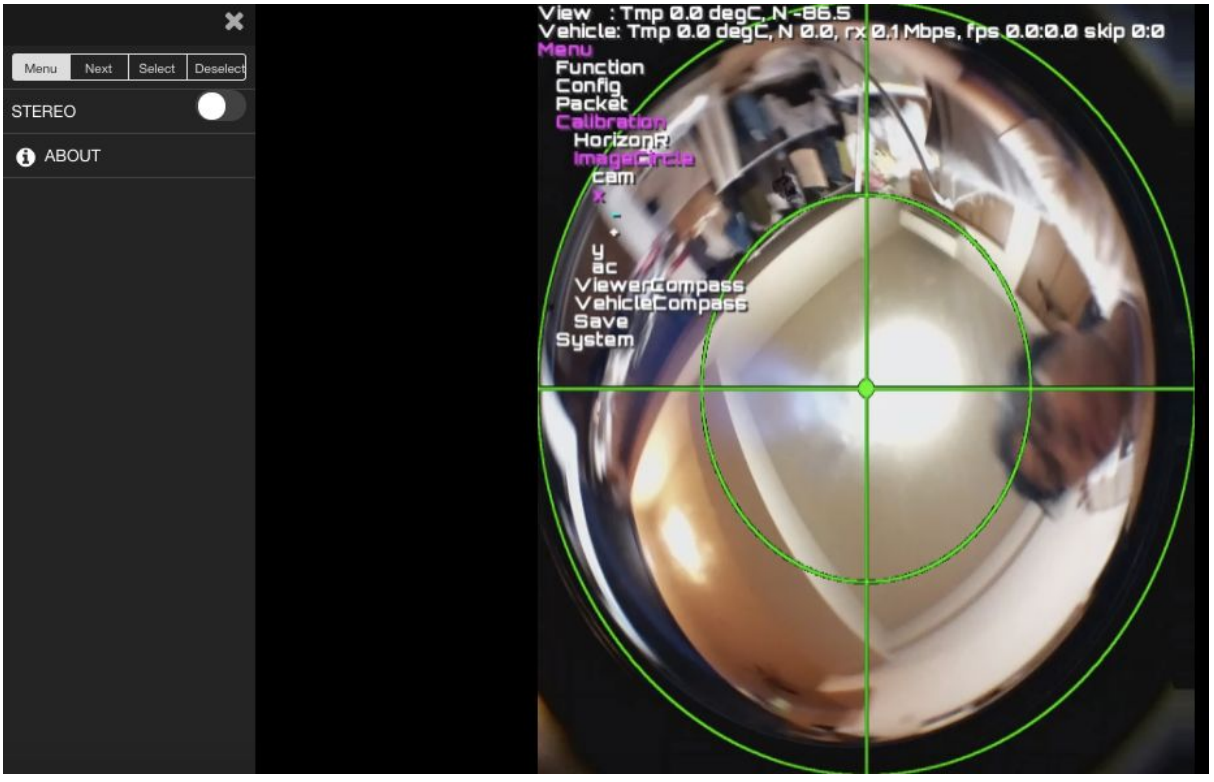
Connect to ssid:picam360 (key: picam360) with Wi-Fi.
Connect to “http://192.168.40.2:9001/” via a web browser, and check whether webapp operates or not.

Fish-eye Lens Calibration

Drag or swipe the left of the screen to show the tool box.



Click or touch the Menu button to overlay the menu on the screen.
Click or touch the Next button with Menu displayed to move on to the next Menu item. Use Select or Deselect to select or deselect an item.
Use the button to select “Menu -> Calibration -> ImageCircle”.



Follow the steps below to set the image circle at the center, and save the setting.

Menu->Calibration->ImageCircle->x->-	Move the image circle to the left.
Menu->Calibration->ImageCircle->x->+	Move the image circle to the right.

Menu->Calibration->ImageCircle->y->-	Move the image circle upward.
Menu->Calibration->ImageCircle->y->+	Move the image circle downward.
Menu->Calibration->save	Save the setting.