

3.Camera picture correction(ReadMe)

When installing the ROS wifi image transmission module, it is reversed, with the power supply port facing downwards. At this time, the camera image is inverted. As shown in the figure:



This requires setting up the camera screen, and the operation steps are as follows:

1. First, place the **SET-Camera.py** in the documentation on the Linux system, and it can be found anywhere
2. Then open the terminal in the directory with SET-Camera.py and run the command

```
python3 SET_Camera.py
```

3. At the terminal, enter the Docket terminal (command to open Docket, see **2. Connect ROS wifi image transmission module proxy**) to obtain the IP address, and press Enter

```
yahboom@yahboom-VM: ~  
MY_DOMAIN_ID: 20  
MY_IP: 192.168.2.121  
-----  
yahboom@yahboom-VM:~$ sh start_Camera_computer.sh  
1715156105.293050] info      | UDPv4AgentLinux.cpp | init  
running...          | port: 9999  
1715156105.293721] info      | Root.cpp            | set_verbose_level  
logger setup        | verbose_level: 4  
1715156106.106118] info      | Root.cpp            | create_client  
create              | client_key: 0x2CC68F30, session_id: 0x81  
1715156106.106177] info      | SessionManager.hpp  | establish_session  
session established | client_key: 0x2CC68F30, address: 192.168.2.93 5608  
1715156106.126480] info      | ProxyClient.cpp     | create_participant  
participant created | client_key: 0x2CC68F30, participant_id: 0x000(1)  
1715156106.133785] info      | ProxyClient.cpp     | create_topic  
topic created      | client_key: 0x2CC68F30, topic_id: 0x000(2), participant_  
id: 0x000(1)  
1715156106.151365] info      | ProxyClient.cpp     | create_publisher  
publisher created  | client_key: 0x2CC68F30, publisher_id: 0x000(3), particip  
nt_id: 0x000(1)  
1715156106.173468] info      | ProxyClient.cpp     | create_datawriter  
datawriter created | client_key: 0x2CC68F30, datawriter_id: 0x000(5), publish  
er_id: 0x000(3)  
-----  
yahboom@yahboom-VM:~$ python3 SET_Camera.py  
Please input docket ipV4:  
192.168.2.93  
Camera is set ok!  
yahboom@yahboom-VM:~$
```

4. When **Camera is set OK** The camera's image is reversed
If Camera is set OK does not appear for a long time! Check if the entered IP address is incorrect.

