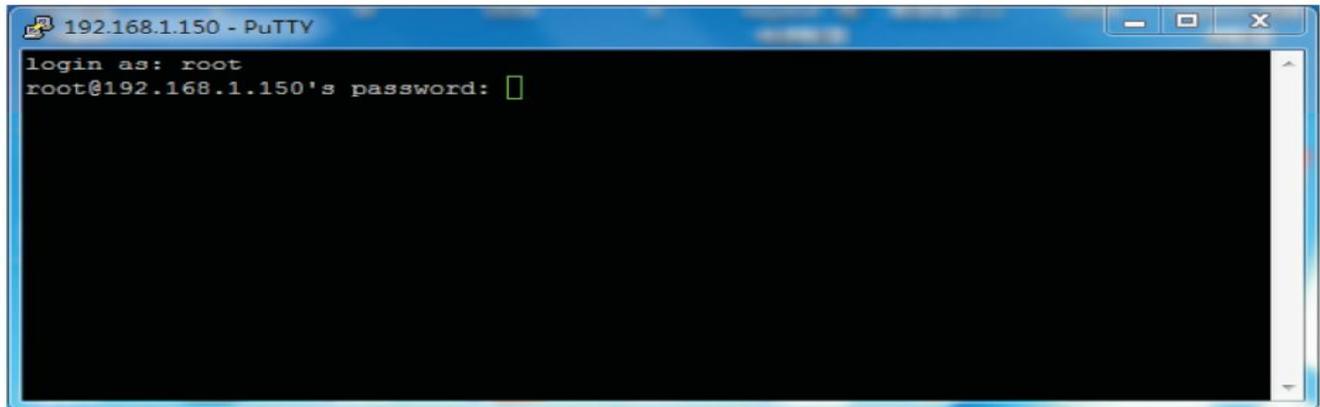


Openwrt WiFi Smart Car Wireless Video Transmission Module

Module: MB0076

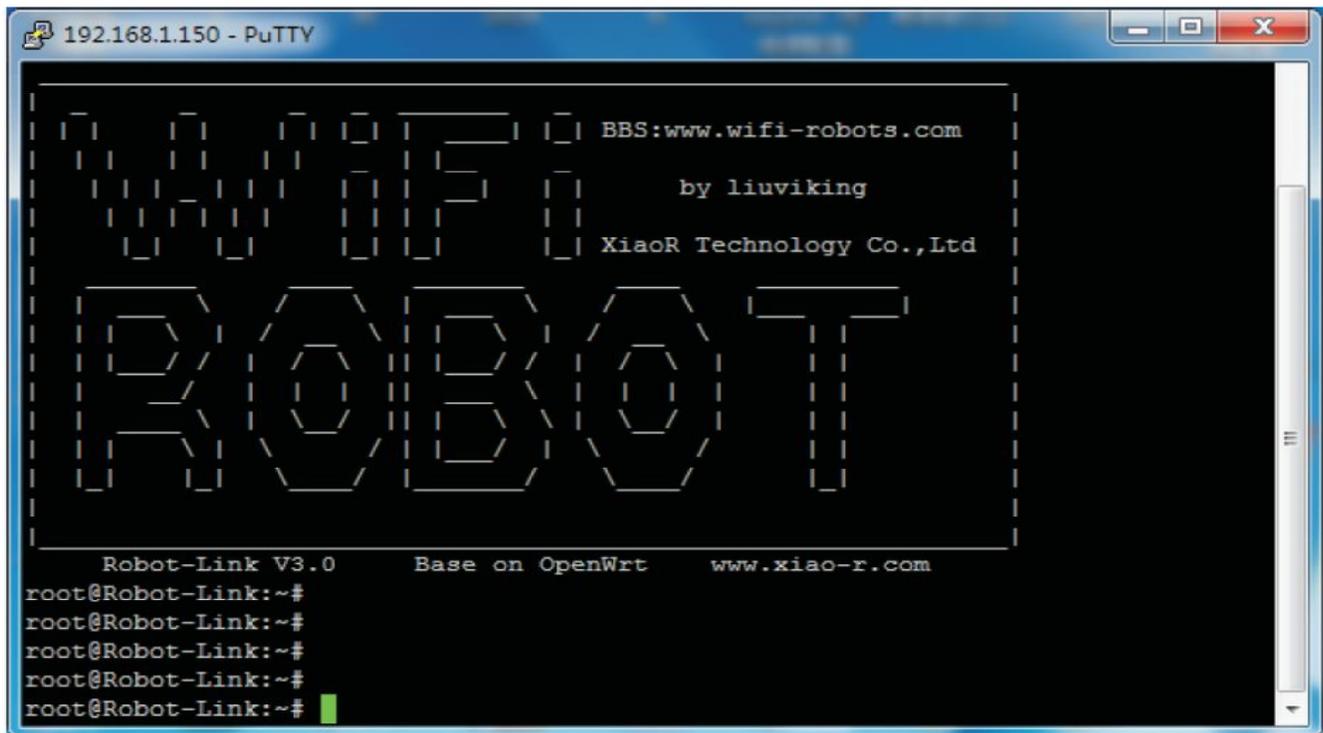
Keyes Rt5350 open wirte wifi video module usage information

Step 1: Start the SSH client. The firmware of the default brush IP is 192.168.1.100 Login name: root Password: admin



```
192.168.1.150 - PuTTY
login as: root
root@192.168.1.150's password: [ ]
```

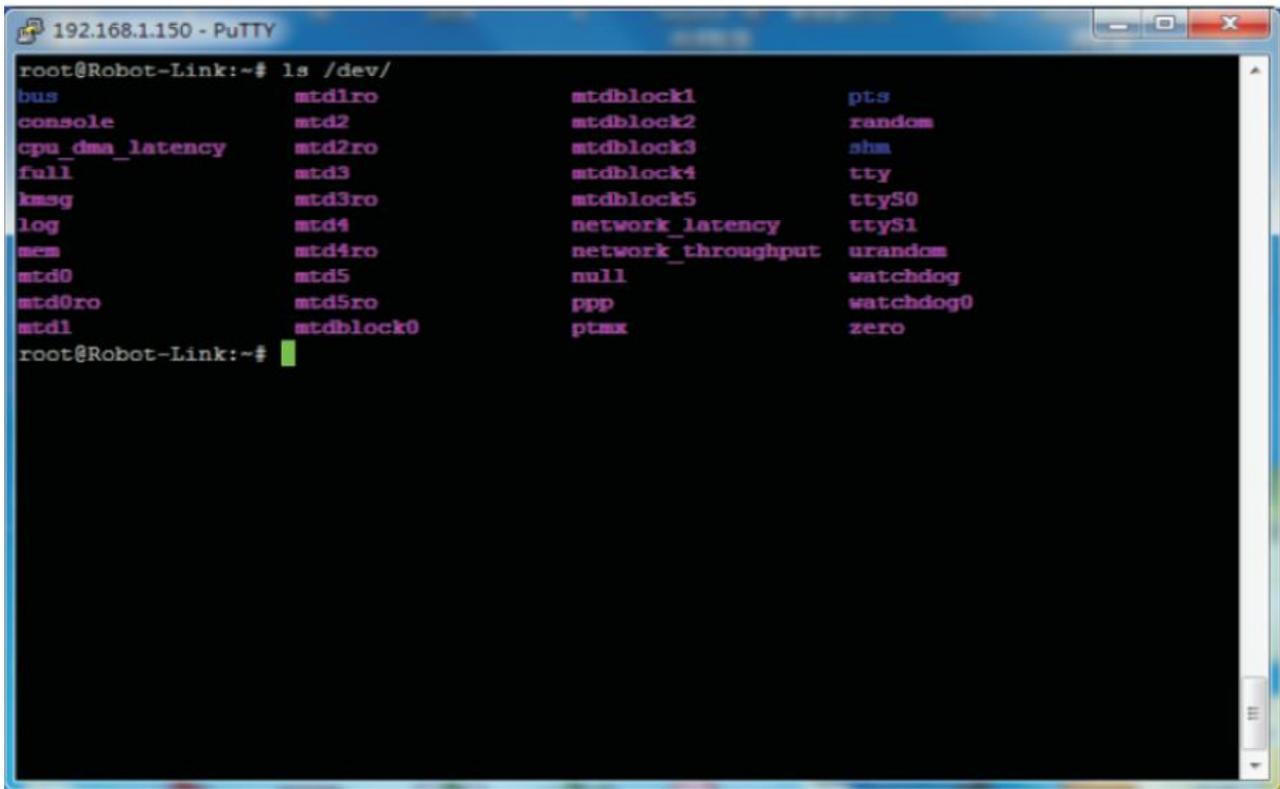
Step 2: Log in to the interface



```
192.168.1.150 - PuTTY
BBS:www.wifi-robots.com
by liuviking
XiaoR Technology Co.,Ltd

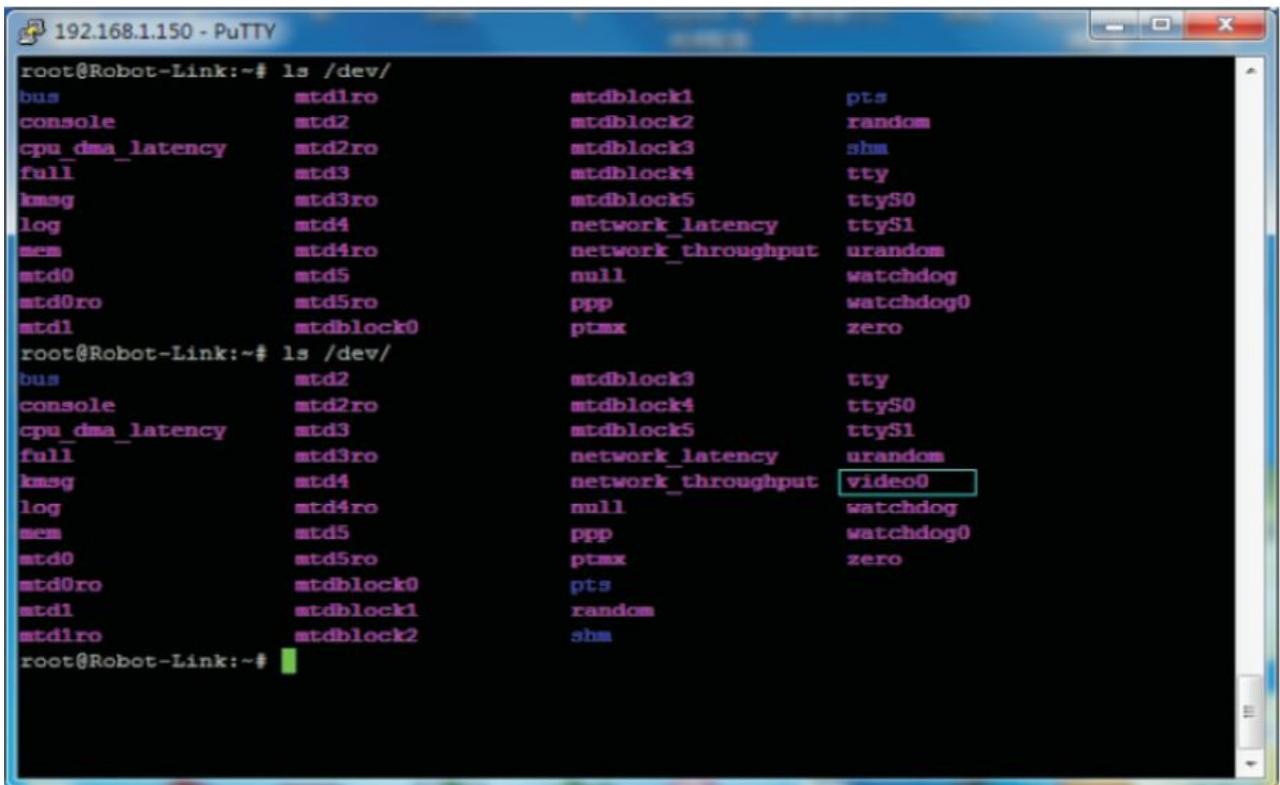
Robot-Link V3.0 Base on OpenWrt www.xiao-r.com
root@Robot-Link:~#
root@Robot-Link:~#
root@Robot-Link:~#
root@Robot-Link:~#
root@Robot-Link:~#
```


Step 5: ls /dev/



```
192.168.1.150 - PuTTY
root@Robot-Link:~# ls /dev/
bus          mtd1ro      mtdblock1   pts
console     mtd2        mtdblock2   random
cpu_dma_latency mtd2ro     mtdblock3   shm
full        mtd3        mtdblock4   tty
kmsg        mtd3ro     mtdblock5   ttyS0
log         mtd4       network_latency ttyS1
mem         mtd4ro     network_throughput urandom
mtd0        mtd5       null        watchdog
mtd0ro     mtd5ro     ppp        watchdog0
mtd1       mtdblock0  ptmx       zero
root@Robot-Link:~#
```

Step 6: Connect the USB camera after ls / dev/



```
192.168.1.150 - PuTTY
root@Robot-Link:~# ls /dev/
bus          mtd1ro      mtdblock1   pts
console     mtd2        mtdblock2   random
cpu_dma_latency mtd2ro     mtdblock3   shm
full        mtd3        mtdblock4   tty
kmsg        mtd3ro     mtdblock5   ttyS0
log         mtd4       network_latency ttyS1
mem         mtd4ro     network_throughput urandom
mtd0        mtd5       null        watchdog
mtd0ro     mtd5ro     ppp        watchdog0
mtd1       mtdblock0  ptmx       zero
root@Robot-Link:~# ls /dev/
bus          mtd2        mtdblock3   tty
console     mtd2ro     mtdblock4   ttyS0
cpu_dma_latency mtd3       mtdblock5   ttyS1
full        mtd3ro     network_latency urandom
kmsg        mtd4       network_throughput video0
log         mtd4ro     null        watchdog
mem         mtd5       ppp        watchdog0
mtd0        mtd5ro     ptmx       zero
mtd0ro     mtdblock0  pts
mtd1       mtdblock1  random
mtd1ro    mtdblock2  shm
root@Robot-Link:~#
```

Step 7: Paste the copied instructions in the document

```
192.168.1.150 - PuTTY
lslog          std4          network_throughput  video0
log           std4ro       null                watchdog
mem          std5          ppp                 watchdog0
std0          std5ro       ptax                 zero
std0ro       stdblock0    pts
std1          stdblock1    random
std1ro       stdblock2    abs

root@Robot-Link:~# mjpg_streamer -i "input_uvc.so -r 320x240 -f 20 -yuv" -o "output_http
.so -p 8090"
MJPEG Streamer Version: svn rev: exported
i: Using V4L2 device.: /dev/video0
i: Desired Resolution: 320 x 240
i: Frames Per Second.: 20
i: Format.....: YUV
i: JPEG Quality.....: 80
Adding control for Pan (relative)
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Tilt (relative)
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Pan Reset
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Tilt Reset
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Pan/tilt Reset
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Focus (absolute)
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
mapping control for Pan (relative)
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Tilt (relative)
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Pan Reset
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Tilt Reset
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Pan/tilt Reset
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Focus (absolute)
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for LED1 Mode
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for LED1 Frequency
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Disable video processing
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Raw bits per pixel
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
o: www-folder-path...: disabled
o: HTTP TCP port.....: 8090
o: username:password.: disabled
o: commands.....: enabled
```

Step 8:

Open the PC monitoring software and enter the system configuration options. Configuration Control address and video address 192.168.1.150 The corresponding address is also this address. The address of the module we normally sell is 192.168.1.100



Step 9:

Log in to the interface to select the control mode wifi control, whether it is wifi wireless connection also This mode can be selected for the network cable connection, and then video monitoring is enabled.



Step 10: Finally end the video monitoring at the command line terminal Ctrl + C

```
192.168.1.150 - ssh
stdl          mtdblock1          random
stdir:        mtdblock2          atm
root@Robot-Link:~# mjpg_streamer -i "input_uvc.so -r 320x240 -f 20 -yuyv" -o "output_http
.so -p 8094"
MJPEG Streamer Version: svn rev: exported
i: Using V4L2 device.: /dev/video0
i: Desired Resolution: 320 x 240
i: Frames Per Second.: 20
i: Format.....: YUYV
i: JPEG Quality.....: 80
Adding control for Pan (relative)
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Tilt (relative)
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Pan Reset
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Tilt Reset
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Pan/tilt Reset
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
Adding control for Focus (absolute)
UVCIOC_CTRL_ADD - Error: Inappropriate ioctl for device
mapping control for Pan (relative)
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Tilt (relative)
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Pan Reset
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Tilt Reset
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Pan/tilt Reset
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Focus (absolute)
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for LED1 Mode
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for LED1 Frequency
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Disable video processing
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
mapping control for Raw bits per pixel
UVCIOC_CTRL_MAP - Error: Inappropriate ioctl for device
o: www-folder-path...: disabled
o: HTTP TCP port.....: 8090
o: username:password.: disabled
o: commands.....: enabled
^CSetting signal to stop
i: cleaning up resources allocated by input thread
o: cleaning up resources allocated by server thread #00
Force cancellation of threads and cleanup resources
Segmentation fault
root@Robot-Link:~#
```