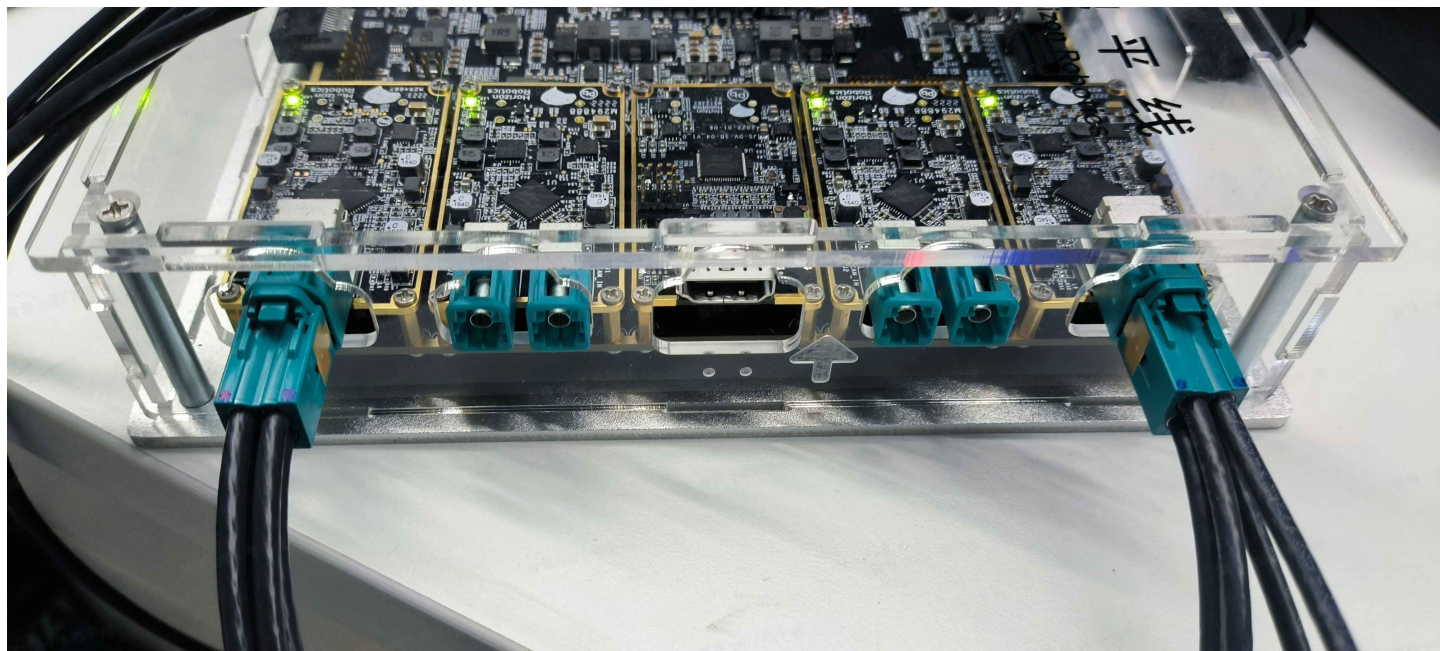


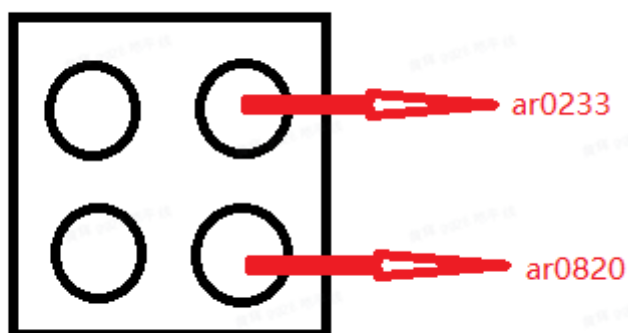
J5EVM搭建0820+0233 6v

1.硬件接线

两根线束分别接两块96712子板



左侧线束接4颗ar0233,右侧线束接一颗ar0820和一颗ar0233。前视和后视接线如下图：



版本 系统软件10.08 应用软件0.7.6

Enter host <Alt+R>

ger

serial-com14

192.168.1.10 (6)

192.168.1.10 (5)

HB_DDS_Q05.xml.vehTested

configtool

eth_cfg.sh

init.sh

mono

on name <Alt+I>

168.1.10 (1)

168.1.10 (2)

168.1.10 (3)

168.1.10 (4)

168.1.10 (5)

168.1.10 (6)

168.1.10 (7)

168.1.15

168.2.12

I-com10

I-com10 (1)

I-com10 (10)

I-com10 (11)

I-com10 (12)

I-com10 (13)

I-com10 (14)

I-com10 (2)

I-com10 (3)

I-com10 (4)

root@j5dvb:/userdata/app/6V# cd mono/

root@j5dvb:/userdata/app/6V/mono# ls

adas-rt

hobot-adas-workflow.sh

libovx8b.so.1.0.2

log-udp-sender

rwdir

deinit.sh

init.sh

libsysmgr.so

log-udp-sender.json

watchdog-app

root@j5dvb:/userdata/app/6V/mono# sh hobot-adas-workflow.sh

/system/lib/sensorlib/

/system/lib/

export pin 453

setting directions to output

setting pin high

Unexporting pin 453

cp: can't stat '/mnt/6V/mono/adas-rt/config-camera/Galaxy/*': No such file or directory

unknown board_id, use galaxy config

adas-rt/hobot-adas-workflow: error while loading shared libraries: libcommunication.so.1: cannot open shared object file: No such file or directory

root@j5dvb:/userdata/app/6V/mono# find / -name libcommunication.so.1

/userdata/Pilot5.0-xiaomi-202211301334-V3.0.4/6V/vehicleio/lib/libcommunication.so.1

root@j5dvb:/userdata/app/6V/mono#

root@j5dvb:/userdata/app/6V/mono#

root@j5dvb:/userdata/app/6V/mono#

root@j5dvb:/userdata/app/6V/mono#

root@j5dvb:/userdata/app/6V/mono# export LD_LIBRARY_PATH=\$LD_LIBRARY_PATH:/userdata/Pilot5.0-xiaomi-202211301334-V3.0.4/6V/vehicleio/lib

root@j5dvb:/userdata/app/6V/mono#

stop

ndis

04

112

1fc

1dc

21c

i2cdetect

23c

1fc

mount

11a

0x10

0x11

host1up



mount

host1down

powered

ds to active session

替换vpm库

			SER: 0x40		
			SEN: 0x10		
AR0233	SUNNY Fov100		Fov100	lib_ar0233	
			RGGB	RGGB_Pwl1	
			RAW12	2_WS_Fov1	
			2048x1280	00.so	
			MAX96717F		
			I2C地址		
			SER: 0x40		
			SEN: 0x10		
	GALAXY		Fov123	lib_CA23GB	

serial-com14

192.168.1.10

192.168.1.10 (10)

192.168.1.10 (1)

192.168.1.10 (3)

192.168.1.10 (4)

```
"input_crop_enable": 0,
"input_crop_x": 0,
"input_crop_y": 0,
"input_crop_width": 0,
"input_crop_height": 0,
"output_crop_enable": 0,
"output_crop_x": 0,
"output_crop_y": 0,
"output_crop_width": 0,
"output_crop_height": 0,
"isp_stream_output_format": 1,
"isp_dma_output_format": 0,
"calib_mode": 1,
"calib_lname": "/system/etc/cam/lib_ar0233RGGB_Pwl12_WS_Fov100.so",
"isp_algo_state": 1
},
"pym": {
  "pym_config": {
    "pym_hw_id": 1,
    "pym_mode": 4,
```

```
t@j5dvb:~#  
t@j5dvb:~#  
t@j5dvb:~#  
t@j5dvb:~#  
t@j5dvb:~#  
t@j5dvb:~# cd /userdata/Pilot5.0-xiaomi-202211301334-V3.0.4/6V/adas/adas-rt/config-camera/j5dvb  
t@j5dvb:/userdata/Pilot5.0-xiaomi-202211301334-V3.0.4/6V/adas/adas-rt/config-camera/j5dvb# ls  
_config.json hb_j5dev.json vpm_config.json  
t@j5dvb:/userdata/Pilot5.0-xiaomi-202211301334-V3.0.4/6V/adas/adas-rt/config-camera/j5dvb# vi vpm_config.json  
t@j5dvb:/userdata/Pilot5.0-xiaomi-202211301334-V3.0.4/6V/adas/adas-rt/config-camera/j5dvb#
```

将0.7.6的感知包的6V放入 /userdata/app/

然后进入

Json 放入/userdata/app/6V/mono/adas-rt/config-camera和/userdata/app/6V/adas/adas-rt/config-camera



1130.rar
27.63KB



MONO

```
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/userdata/app/6V/adas/
```

```
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/userdata/mount/lib/
```

```
sh hobot-adas-workflow.sh
```

如果出现hb_vio_get_data fail

```
echo 453 > /sys/class/gpio/export;echo out > /sys/class/gpio/gpio453/direction;echo 1 >  
/sys/class/gpio/gpio453/value;echo 309 > /sys/class/gpio/export;echo out >  
/sys/class/gpio/gpio309/direction;echo 1 > /sys/class/gpio/gpio309/value;
```

或者

/mnt/6V/mono/adas-rt/config-camera/hb_j5dev.json打开

修改"power_mode":1

ADAS

```
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/userdata/app/6V/adas/
```

```
sh hobot-adas-workflow.sh
```

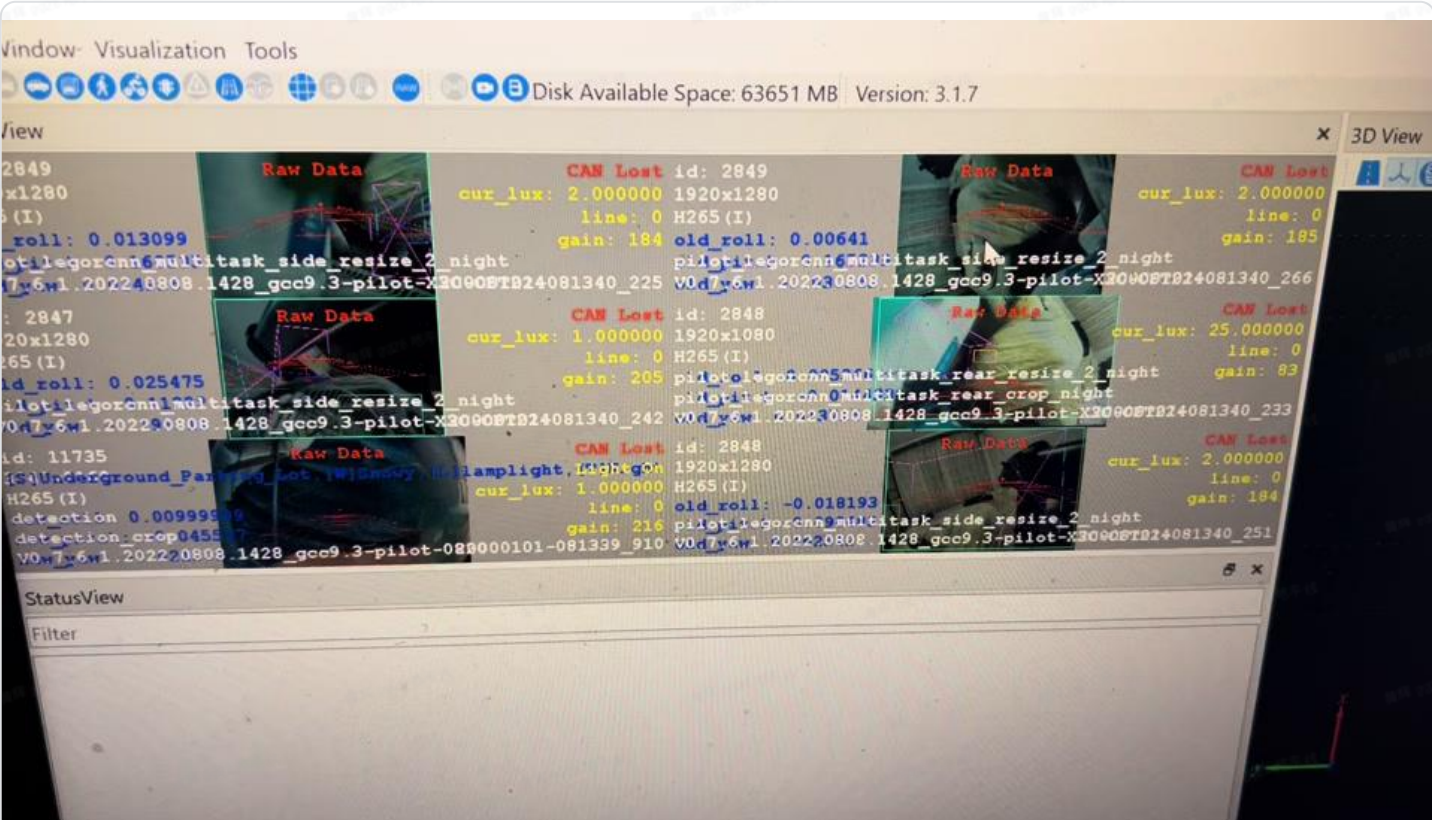
如果出现hb_vio_get_data fail

echo 487 > /sys/class/gpio/export;echo out > /sys/class/gpio/gpio487/direction;echo 1 > /sys/class/gpio/gpio487/value;echo 331 > /sys/class/gpio/export;echo out > /sys/class/gpio/gpio331/direction;echo 1 > /sys/class/gpio/gpio331/value;

或者


/mnt/6V/adas/adas-rt/config-camera/hb_j5dev.json打开

修改"power_mode":1




IMG_0284.MOV

录制pack回放

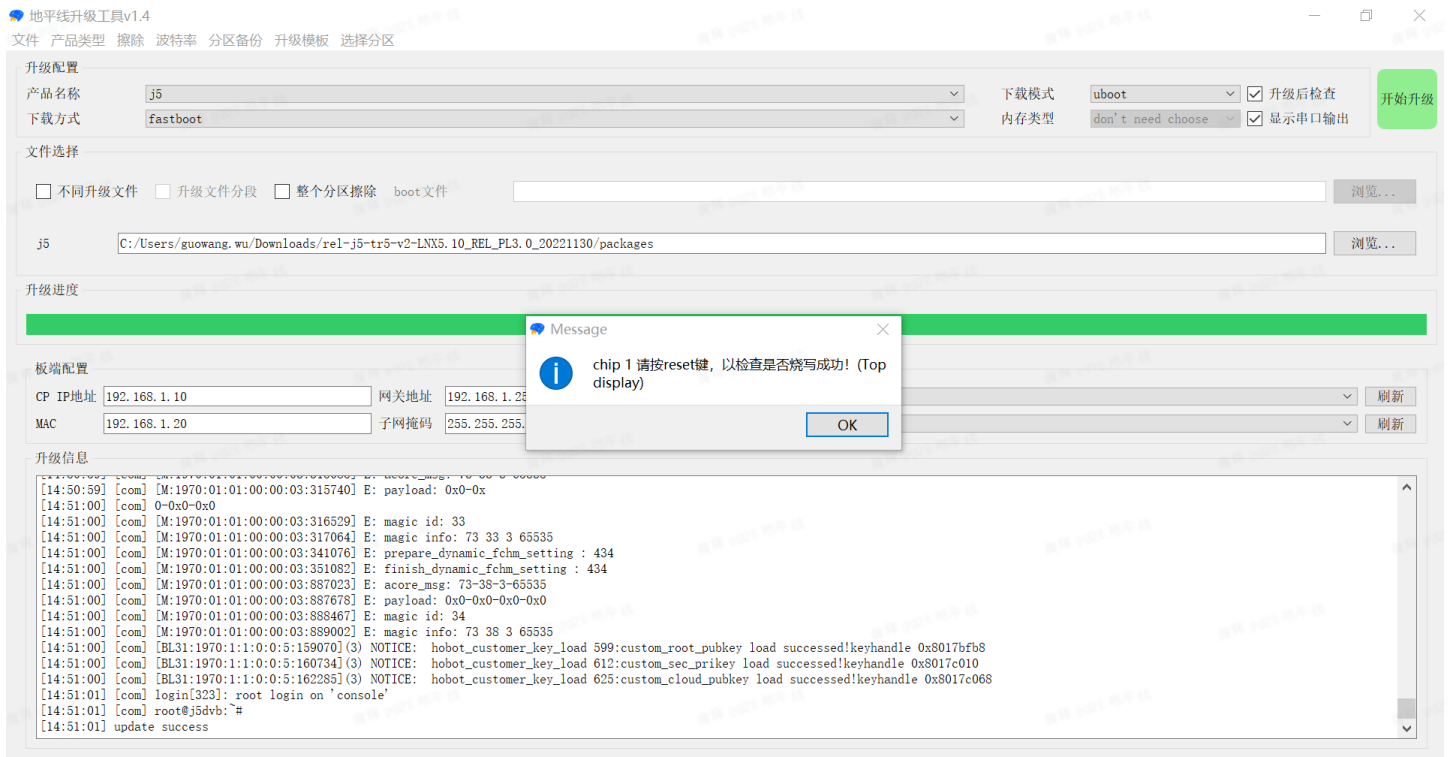


testpack.rar

600.57MB



系统软件1130



wget https://gallery.hobot.cc/download/system_software/rel-j5-tr5-v2/project/release/linux/x86_64/general/basic/LNX5.10_REL_PL3.0_20221130/rel-j5-tr5-v2-LNX5.10_REL_PL3.0_20221130.zip

运行出图和10.08一样

运行小米感知

先将小米的6V拷贝到/mnt目录



rwdir 工具需要copy到/userdata下

/userdata/rwdir /system/lib

cp -vf libsysmgr.so /userdata/mount/lib

把0.76的6V放入userdata/

export LD_LIBRARY_PATH=\$LD_LIBRARY_PATH:/userdata/6V/adas/

export LD_LIBRARY_PATH=\$LD_LIBRARY_PATH:/userdata/mount/lib/

此时运行

```
sh hobot-adas-workflow.sh
```

```
E/      ( 6649): hb_isp_get_version calib_ver = 1ib_ar0820R6GB_pw112_ws_Fov120_v0.22.9.13!  
E/      ( 6649): [1319.429443][GDC]:[gdc_update_binary][29]gdc cfg_buf or handle was invalid  
E/      ( 6649): [1319.429443][VPM UIILS]:[hb_utils_send_sfmu_msg][92]hb_send_sfmu_msg,eventI  
E/      ( 6649): [1319.429688][VPM UIILS]:[hb_utils_send_sfmu_msg][94]hb_send_sfmu_msg, return  
^C  
root@j5dvb:/userdata/app/6V/mono# cat /etc/version  
LNX5.10_REL_PL3.0_20221130 release  
root@j5dvb:/userdata/app/6V/mono#  
root@j5dvb:/userdata/app/6V/mono#  
root@j5dvb:/userdata/app/6V/mono#  
root@j5dvb:/userdata/app/6V/mono#  
root@j5dvb:/userdata/app/6V/mono#  
root@j5dvb:/userdata/app/6V/mono# sh hobot-adas-workflow.sh ^C  
root@j5dvb:/userdata/app/6V/mono#
```

● 112 ● 1fc ● host1up ● mount ● host1down ● power ● hostupnoen ● i2cdetect ● ifconfig ● 06 ● bus3up ● e1

```
IIO101 08:52:11.856472 7050 hobot_adas.cpp:2956] Input
IIO101 08:52:11.856494 7050 hobot_adas.cpp:2956] Input
OnlineCalibrationModule reset ...
IIO101 08:52:12.649591 7050 hobot_adas.cpp:3011] Fini workflow reset done
IIO101 08:52:12.649658 7050 bpu_scheduler.cpp:307] Checking IsAllTaskDone...
IIO101 08:52:12.649683 7050 bpu_scheduler.cpp:314] Checking task queues...
IIO101 08:52:12.649706 7050 bpu_scheduler.cpp:324] Checking running tasks...
IIO101 08:52:12.649729 7050 bpu_scheduler.cpp:339] Checking Done 1
Schedule Thread End
Statistic Thread End
Wait Core 0 Thread End
Wait Core 1 Thread End
OnlineCalibrationModule destruct ...
EIO101 08:52:18.135324 7050 main.cpp:2074] ADAS_Init Failed: 0
IIO101 08:52:18.135422 7050 camera_starter.cpp:366] CameraStarter::Reset all cameras
IIO101 08:52:18.135452 7050 service_handler_module.cpp:1548] ServiceEnv::Reset() is executed
IIO101 08:52:18.135567 7050 service_handler_module.cpp:931] ServiceHandler::Reset() is executed.
IIO101 08:52:18.135672 7050 service_handler_module.cpp:942] ServiceHandler Fini
Could not create log file: No such file or directory
COULD NOT CREATE LOGFILE '20000101-085218.7050'!
IIO101 08:52:18.136981 7050 vehicle_workflow.cpp:79] NOT EMULATION_INPUT
IIO101 08:52:18.137467 7081 main.cpp:476] Send Diagnose Code: 80000500
IIO101 08:52:18.141164 7054 main.cpp:1618] WatchdogThread Exit
EIO101 08:52:18.141374 7050 main.cpp:620] Kill pid: 7050
Killed
root@j5dvb:/userdata/app/6V/mono#
```

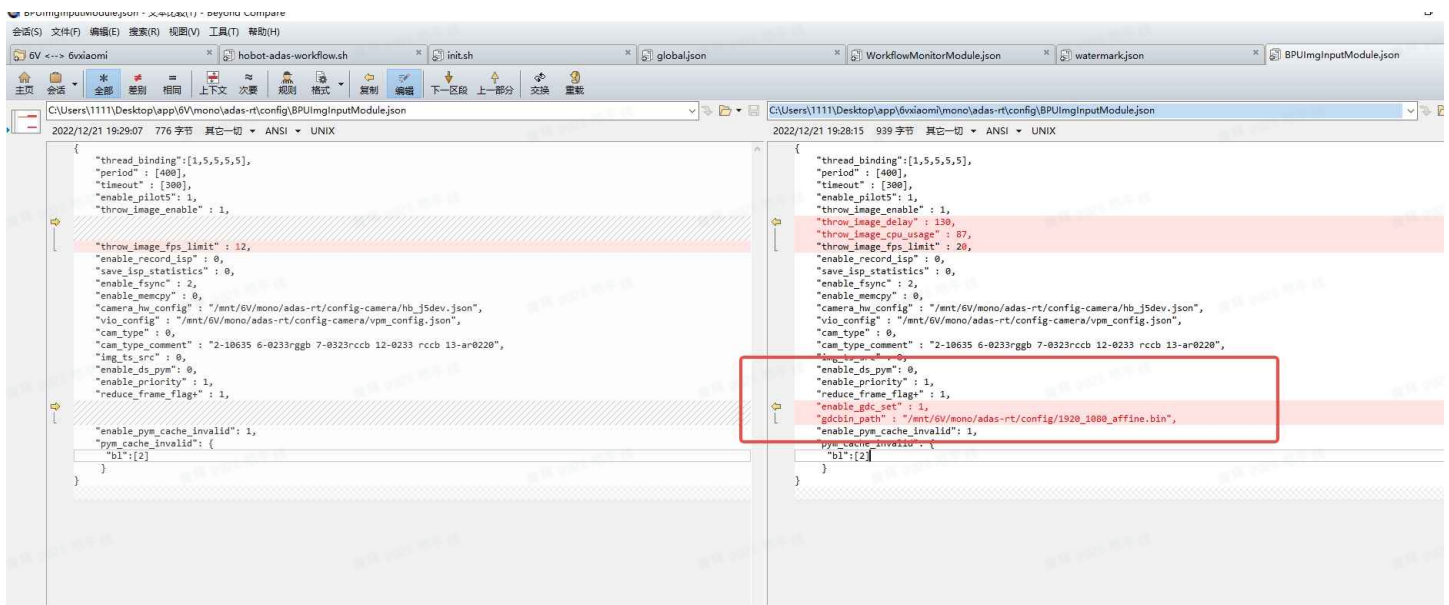
? MobaXterm 10.5 ?
(SSH client, X-server and networking tools)

? SSH session to root@192.168.1.10
? SSH compression : ?
? SSH-browser : ?
? X11-forwarding : ? (remote display is forwarded through SSH)
? DISPLAY : ? (automatically set on remote server)
? For more info, ctrl+click on help or visit our website

```
sh: xauth: not found
root@j5dvb:~# log cat
-sh: log: not found
root@j5dvb:~# logcat
```

```
logcat test start !!!
----- beginning of /dev/log_main
D/[BPU_PLAT]( 7646): BPU Platform Version(1.3.3)!
I/      ( 7646): [3785.387422]hb_vio_init[643] L: vio process mode:0 [0:signal, 1:multi]
I/      ( 7646): [3785.387695][VPM pipeline]:[vio_pipeline_parser][111]Vpm pipeline parse done.
```

📄 MobaXterm_192.168.1.10root_20221221_155639.txt



```
7 I/      ( 7646): [3787.694092][mipi host]:mipi host0 start begin
8 I/      ( 7646): [3787.729248][mipi host]:mipi host0 start end
9 I/      ( 7646): [3787.729248][hb mipi]:hb_vin_mipi_start 0 end
10 I/      ( 7646): [3787.729248][VIN]:[hb_vin_start][1224]cam port5 start end
1 I/      ( 7646): [3787.729248][VIN]:[hb_vin_start][1227]vin cam start done.Time cost(38)ms.
2 E/      ( 7646): hb_isp_get_version pipeline_id = 5!
3 D/      ( 7646): t_char_version = 0xffffc29cf9a0, t_char_algo 0xffffc29cfa08!
4 E/      ( 7646): hb_isp_get_version calib_ver = lib_ar0820RGGb_pwl12_WS_Fov120_v0.22.9.13!
5 E/      ( 7646): hb_isp_get_version pipeline_id = 5!
6 D/      ( 7646): t_char_version = 0xffffc29d00c8, t_char_algo 0xffffc29d00e8!
7 E/      ( 7646): hb_isp_get_version calib_ver = lib_ar0820RGGb_pwl12_WS_Fov120_v0.22.9.13!
8 E/      ( 7646): [3787.739990][gdc]:[gdc_update_binary][29]gdc cfg_buf or handle was invalid
9 E/      ( 7646): [3787.739990][VPM UIILS]:[hb_utils_send_sfm_msg][92]hb_send_sfm_msg,eventId=46,sub_event_number=1
10 E/      ( 7646): [3787.740234][VPM UIILS]:[hb_utils_send_sfm_msg][94]hb_send_sfm_msg, return = 0
1 I/      ( 7646): [3792.941406][VIN]:[hb_vin_stop][1238]cam port5 stop begin
2 I/      ( 7646): [3792.944824][ar0820]:write ar0820 600x19: 0x301a=0x0858
3 I/      ( 7646): [3792.944824][mipi host]:mipi host0 stop begin
4 I/      ( 7646): [3792.944824][mipi host]:mipi host0 stop end
5 I/      ( 7646): [3792.944824][hb mipi]:hb_vin_mipi_stop 0 end
6 I/      ( 7646): [3792.944824][VIN]:[hb_vin_stop][1295]cam port5 stop end
7 T/      ( 7646): [3792.955566][ISP]:isp entitv stop!f9911Pipe(5) isp ctx 0 algo stop done.
```

```
echo 487 > /sys/class/gpio/export;echo out > /sys/class/gpio/gpio487/direction;echo 1 > /sys/class/gpio/gpio487/value;echo 331 > /sys/class/gpio/export;echo out > /sys/class/gpio/gpio331/direction;echo 1 > /sys/class/gpio/gpio331/value;
```

