1) 抓raw图标定 开机 杀掉rkaiq_3A_server

root@ubuntu2404:~# ps -df | grep 3A root 332 1 0 14:01 ? 00:00:00 /usr/bin/rkaiq_3A_server root 1768 1418 0 14:01 ttyFIQ0 00:00:00 grep --color=auto 3A kill -9 332

运行rkaiq_tool_server -d 3

rkaiq_tool_server -d 3

-d 后跟的参数可以通过cat /sys/class/video4linux/v*/name 打印中的mOx_b_ov13855 3-0036-1确认 , mO3填-d 3 mO1 填 -d1 以此类推

root@ubuntu2404:/# cat /sys/class/video4linux/v*/name
rockchip-mipi-csi2
rkisp-isp-subdev
rockchip-csi2-dphy0
rockchip-mipi-csi2
rockchip-csi2-dphy0
rockchip-mipi-csi2
rockchip-csi2-dphy3
m03_b_ov13855 3-0036-1
rkisp-isp-subdev
rkcif-mipi-lvds4
rkisp-isp-subdev
stream_cif_mipi_id0

运行PC工具抓图 Tools >Capture Tool > 设置对应摄像头iq 文件中的分辨率>Start Manual Capture

以下示例的测试是抓取的ov13855 mipi 摄像头

RKISP Capture Tool v2.2			
File			
Config	Raw Preview & Statistics		
IF Address: 192.168.2.43			
Device Status			
Start RTSP Streaming Stop RTSP Streaming			
RKRas/V2 TUVMerge			
Res Cepture Online Cepture			
Sensor: zo850zl v Light: D75 v Module: TEST v			
Width:4224 Height: 3136 Bits: 10 🗘			
Gain Bange: 1.0 😰 - 968.0 🔹			
Exp Range: 0.0010 🗘 - 0.100 🗘			
VCM: 64			
Conversion Gain Mode: 🗹 Normal 🗌 LCG 🗌 HDG			
Manual Exposure Auto Exposure THE Capture			
Begin Step 2'n End			
Gain: 1.0 🗘 1.0 0 1.0 0			
FrenTine: 0.0100 - 0.0100 - 0.0100 -			
LAPITHE. 0.0100 - 0.0100 -			
Frane Hunber: 1 🗘 x 1 🗘			
Multi-Frame Low-Light High-Light Start Manual Capture			
The device is ready to capture.	^		
Waiting for a raw data timeout!! > 10s 0 != 16588800 Receive raw data failed!			
Connect to device Connect success!			
The device is ready. Get sensor param success.			
The device is ready to capture.			
Receive raw data failed!			
Connect success!	4 · 10° F		
det sensor param success.	3 • 10*		
The device is ready to capture. ./raw_capture//TEST/	2 • 10*		
rkisp_so860sl_D75_4224_3136_10bpp_1.00x_0.0100s_normal_normL_single _141013127.raw receive ok.	1 • 10°		
Raw data check sum success!	0 50	100 150	200
Connect success! The device is yearly	rkisp_sc850sl_D75_4224_3136_10bpp_1.00x_0.0100s_normal_normL_	ringle_141023587. r aw	
Get sensor param success.	Set BOI 1	Set ROI 2	Delete ROI
./raw_capture//IEST/	Bayer Order: BGGR	· Preview in Raw	Preview in RGB
141023587 raw receive ok.	Mean Luna:	Har Luna:	Min Lune:
Raw data check sum success!	×		

FAQ:在运行rkaiq_tool_server 之前就连接板端ip 的话是不通的, 会提示连接超时。

2) 在线调试图像

开机

目前需要重启板端rkaiq_3A_server(总的来说要有rkaiq_3A_server)

root@ubuntu2404:~# ps -df | grep 3A root 332 1 0 14:01 ? 00:00:00 /usr/bin/rkaiq_3A_server root 1768 1418 0 14:01 ttyFIQ0 00:00:00 grep --color=auto 3A kill -9 332 rkaiq_3A_server &

打开摄像头预览进程

```
gst-launch-1.0 v4l2src device=/dev/video52 ! video/x-
raw,format=Nv12,width=1920,height=1080, framerate=30/1 ! xvimagesink
```

运行新提供的这个rkaiq_tool_server_tmp2,如果板端没有需要拷贝到板子上给文件权限

rkaiq_tool_server_tmp2 -d 3

运行PC工具 在线调试参数

FAQ:在运行rkaiq_tool_server_tmp2 之前就连接板端ip 的话是不通的, 会提示连接超时。