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Matrox 采集卡

帧触发异常解决方案

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1、存在误触发怎么处理

表现形式为出现拼接图，采集图片的位置不对等等，或图片的数量不对，根据实际情况而定

- 1) 解决方法：将 TriggerOverLap 设置为 Off
- 2) 如果还有误触发，在代码里面添加滤波功能

MdigControl(MilDigitizer, M_IO_DEBOUNCE_TIME + M_AUX_IO8, 1000); (更新补丁之后才可以用，这个是设置 IO8 的滤波为 1us)

2、检测是否丢帧 framesMissed

方法 1:

```
MIL_INT GrabFrameMissed;
MdigGetHookInfo(HookId, M_GRAB_FRAME_MISSED, &framesMissed);
或 MdigInquire(MilSystem, M_GRAB_FRAME_MISSED, &framesMissed);
```

方法 2:

```
MIL_INT FrameMissed;
```

```
MdigGetHookInfo(HookId, M_PROCESS_FRAME_MISSED, &FramesMissed);
```

```
或 MdigInquire(MilDigitizer, M_PROCESS_FRAME_MISSED, &FrameMissed);
```

如果是面阵相机使用帧触发使用 **Digital IO** 里面设置不要使用 **Trigger Grab** 里面设置 **IO Source**, 否则容易造成丢帧。

如果是使用 Timer 检测 Timer 信号是否有丢失 TimerTriggerMissed:

```
MdigControl(MilDigitizer, M_TIMER_TRIGGER_MISSED, M_ENABLE);
```

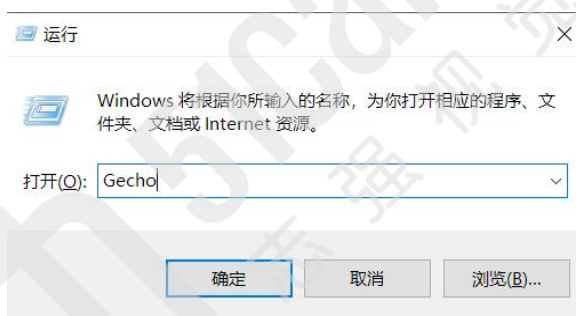
```
MdigControl(MilDigitizer, M_TIMER_TRIGGER_OVERLAP + M_TIMER1, M_OFF);
```

```
MIL_INT isTriggerMissed;
```

```
MdigGetHookInfo(HookId, M_TIMER_TRIGGER_MISSED, &isTriggerMissed);// 回调 (在 DCF 里面设置 Timer Duration 设置需要大于 3us)
```

3、收集 Gecho Log 方法

1) . 在命令行运行 Gecho, 然后选择正确的相机。



2) . 然后运行程序, 发现不能采集或采集丢帧后, 在 Gecho 那里按 ESC 结束, 找到所生成的.json 文件, 发给厂家

4、对于 CXP 接口收集 Driver Log 方法:

1).Select RapixoCXP as the default system

2).Please add the following registry keys:

```
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\RapixoCXP\Parameters
```

```
"EnableLogs"=dword:00000001
```

"EnableAllDrvLogs"=dword:00000001

"LogBufferSize"=dword:00100000

3). Restart the PC to make the driver adapt to these Registries

4). Run the vs10DumpLogs.exe(attached) when the error happens. Please note that you need to run this EXE file as soon as you got the error/issue. If you run it too late, the necessary information may not contain inside the dump file.

5). Please send us the driver log file for further investigation.

6). Do not forget to remove the registry keys after the driver log is dumped.

vs10DumpLogs.exe:

链接: <https://pan.baidu.com/s/15y8hq7C-npd-zWnnJHQ0KQ> 提取码: ZQSI

代码收集日志如下:

链接: https://pan.baidu.com/s/10jM9-5u0Y10hb_ZWLQ-T2g 提取码: ZQSI

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