



User Manual

SDK 로그 사용

Rev 2.00

TS 팀

CREVIS

[illegible]

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1. SDK 카메라 로그

카메라 사용 중 이슈 발생 시 원인 파악을 위해 SDK 자체적으로 로그 기능을 지원합니다.

SDK	API	로그 지원 여부
MCAM40 GigE, USB3.0	VirtualFG40	O
MCAM40 CL	VirtualFG40CL	X
cvsCam	VirtualFG40	O
	cvsCamCtrl	O
	cvsCamDotnet	X

1.1. 로그 경로

▶ C:\ProgramData\WCREVIS\Logs

2. 사용 방법

OpenDevice 함수에 isDetailedLog 파라미터를 True로 설정합니다.

아래 예시는 C#으로 작성되었으나 C++도 동일합니다.

2.1. CvsCam

```
// Open device
int hDevice = s_camCtrl.OpenDevice(0, true);
```

2.2. MCAM40

```
// camera open
status = _virtualFG40.OpenDevice(0, ref hDevice, true);
if (status != VirtualFG40Library.MCAM_ERR_SUCCESS)
{
    throw new Exception(String.Format("Open device failed : {0}", status));
}
```

3. 예시

두 SDK의 로그는 약간의 차이는 있으나, 사용 상 크게 다른 점은 없습니다.

▼ MCAM40 Log

```

20250822_094834.log - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
////////////////////////////////////
[INFO]- 20250822_094834 Number of available cameras : 1
[INFO]- 20250822_094834 Enumeration Number : 0 => MG-A121M-9_SN_22532380022
[INFO]- 20250822_094834 Device User ID : Cam1
////////////////////////////////////
[INFO]- 20250822_094834 IP Configuration : Static IP(192.168.10.2, 255.255.255.0, 192.168.10.1)
[INFO]- 20250822_094834 Heartbeat Disable(false)
[INFO]- 20250822_094834 Packet : Size(8976), Delay(0)
[INFO]- 20250822_094834 Trigger : Mode(Off), Source(Software)
[INFO]- 20250822_094834 Exposure Time(3000.000000)
[INFO]- 20250822_094834 FilterDriver(Off), PacketResend(127), MaxPacketResendCount(true)
////////////////////////////////////
[INFO]- 20250822_094834 ST_OpenDevice
[INFO]- 20250822_094834 ST_SetCallbackFunction : 0
[INFO]- 20250822_094834 ST_SetEnumReg : TriggerMode(Off)
[INFO]- 20250822_094834 ST_SetEnumReg : PixelFormat(Mono8)
[INFO]- 20250822_094834 ST_SetEnumReg : DeviceFilterDriverMode(Off)
[INFO]- 20250822_094834 ST_SetBoolReg : GevGVCPHeartbeatDisable(true)
[INFO]- 20250822_094834 ST_GetIntReg : Width(4112)
[INFO]- 20250822_094834 ST_GetIntReg : Height(3008)
[INFO]- 20250822_094835 ST_AcqStart
[INFO]- 20250822_094835 ST_SetContinuousGrabbing : 1
[INFO]- 20250822_094835 ST_GrabStartAsync : -1
[INFO]- 20250822_094837 ST_AcqStop
[INFO]- 20250822_094837 Counter Info : LineTrigger(0), ExposureStart(14), ExposureEnd(14), FrameEnd(14), ExposureOverTrigger(0)
[INFO]- 20250822_094837 ST_CloseDevice
[INFO]- 20250822_094837 TotalPackets: 17992, TotalLosses: 0, Rate: 0.0000%

Ln 1, Col 1 100% Windows (CRLF)

```

▼ cvsCamCtrl Log

```

20250822_103108.log - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
////////////////////////////////////
10:31:08.388254 [INFO] - Number of available cameras : 1
10:31:08.388856 [INFO] - Enumeration Number : 0 => MG-A121M-9_SN_22532380022
10:31:08.388859 [INFO] - Device User ID : Cam1
////////////////////////////////////
10:31:08.389162 [INFO] - IP Configuration : LLA, Persistent(192.168.10.2, 255.255.255.0, 192.168.10.1)
10:31:08.389483 [INFO] - Heartbeat Disable(false)
10:31:08.389774 [INFO] - Automatic Packet Size Negotiation(true), Packet Size(8976), Packet Delay(0)
10:31:08.390249 [INFO] - Trigger Mode(Off), Trigger Source(Software)
10:31:08.390455 [INFO] - Exposure Time(3000.00)
////////////////////////////////////
10:31:08.390882 [INFO] - ST_OpenDevice()
10:31:08.392033 [INFO] - ST_RegisterGrabCallback() : Event New Image
10:31:09.065466 [INFO] - ST_SetEnumReg() : TriggerMode(Off)
10:31:09.072965 [INFO] - ST_SetEnumReg() : PixelFormat(Mono8)
10:31:09.103453 [INFO] - ST_AcqStart()
10:31:10.175543 [INFO] - ST_AcqStop()
10:31:10.175584 [INFO] - Acquired Count: 8, Error Count: 0, Error Rate: 0.000%
10:31:10.175611 [INFO] - Acquired Time: 0.83(s), Acquisition Rate: 8.45(fps), Bandwidth: 799.61(MB/s)
10:31:10.177017 [INFO] - ST_UnregisterGrabCallback() : Event New Image
10:31:10.184024 [INFO] - ST_CloseDevice()

Ln 1, Col 1 100%

```