



How to record stream through serial port
6900UDI & 6400HDI-T (roaming version)

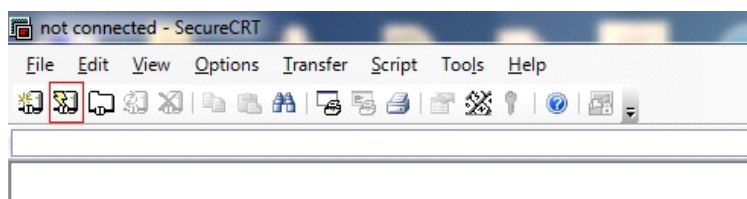
HIKVISION TECHNICAL SUPPORT TEAM

2017-6-10

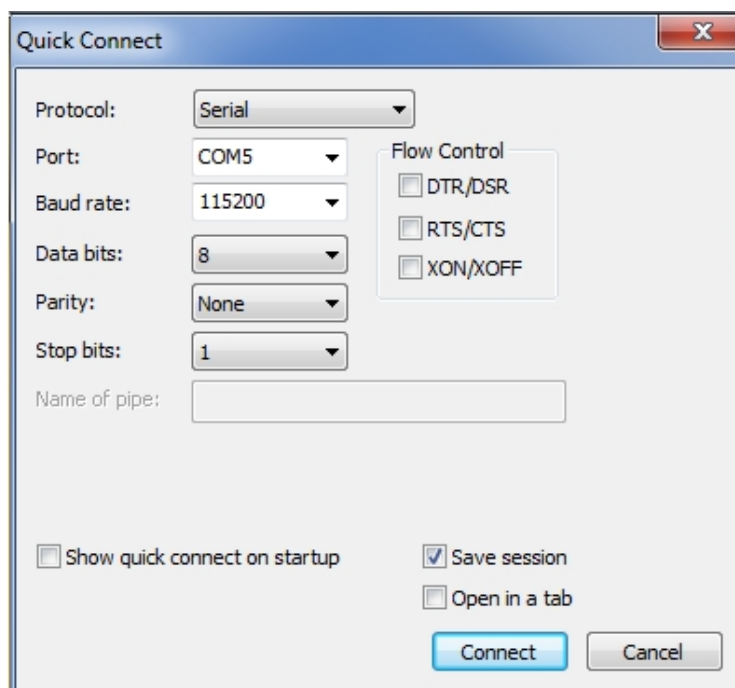
How to record stream through serial port 6900UDI & 6400HDI-T (roaming version)

This document is intended to guide the method of packet capture through serial operations. Sometimes decoder cannot get stream from encoding devices successfully, in this case, we need to use tcpdump to analyze where the problem comes from.

1. Open SecureCRT software and click Quick Connect



2. Choose Serial protocol, configure the parameters as below, disable flow control, and select the right COM port



3. Input "zhimakaimen", fill in the security code exported from OA to enter debug mode

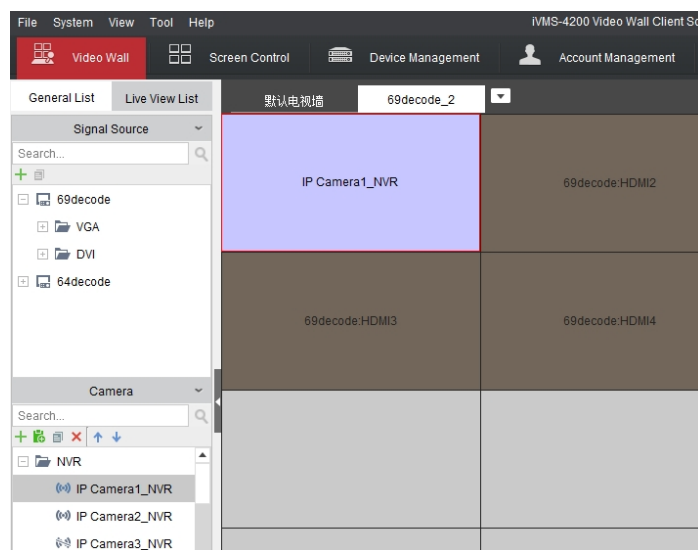




```
# zhimakaimen
AwAAAIznSJVboHUBQ2s=
Password:
Enter Debug Mode.
[1]+ Done /dav/initrun.78x60.sh
[root@Hik-DECODER-M ] # Niwd+7iH5HRe275GZU+7Qe/M5tb/M7KZAAOjrsa22LSZ0udjj2gBwrSc
SHCD/ZR82s+10P4FpzmVDBJpomDWEu+0=
-/bin/sh: Niwd+7iH5HRe275GZU+7Qe/M5tb/M7KZAAOjrsa22LSZ0udjj2gBwrScSHCD/ZR82s+10P4
[root@Hik-DECODER-M ] #
```

4. Stream Recording

Drag the channel you wanted to record on the video wall to decode



1) For 6900UDI

- ① Input **showStreamInChanStat** to check the channel state, in this case, the channel



number is 001

```
[root@Hik-DECODER-M ] # showStreamInChanStat
StreamIn Chan Stat:

-----stream in chan ipChan info-----
Chan [win-sw]  decRes  bgetStream  ipStreamBaud  bdecoding  streamType  packageType  decReslution  bsaving
001 [003-01]  01:01      OSI_TRUE     2044         OSI_TRUE     STD264      RTP           1920*1080     *****

-----stream in chan info-----
chan  logoidx  bdisp  dispX:Y  ImageW*H  bFlash  bTrans1  bRelateDisp  Disp[0]  Disp[1]  Di
sp[2]  Disp[3]
1      -1      *****  0:0      000*000   0       *****  *****  0: 0 0   0: 0 0   0
: 0 0   0: 0 0

-----stream in chan audio info-----
streamInChan  baudioon  vonum  AudioAddr  volum  chan  fpsDECA

-----Video In chan Stat-----
videoInIdx  videoInName  busing  RelateDecRes  RelateChan  RelateDisp
1            DVI-1      *****  00:00        0            1
2            VGA-1      *****  00:00        0            3
```

- ② Input `streamInChanSaveVideo chan:OPEN:media.mp4` to record the stream of certain channel, chan is the channel number checked in step 1. And after some time (several minutes), input `streamInChanSaveVideo chan:CLOSE` to stop recording

```
[root@Hik-DECODER-M ] # streamInChanSaveVideo 001:OPEN:media.mp4
[root@Hik-DECODER-M ] # streamInChanSaveVideo 001:CLOSE
```

- ③ Input `cd home/streamSave, ls` to check the stream recorded

```
[root@Hik-DECODER-M ] # cd home/streamSave
[root@Hik-DECODER-M streamSave] # ls
media.mp4
```

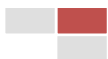
- ④ Open cisco tftp, input `tftp -pl media.mp4 IP address` to export the stream recorded to the file of tftp server, IP address is the IP of tftp server

```
[root@Hik-DECODER-M streamSave] # tftp -pl media.mp4 10.5.2.11
media.mp4 100% |*****| 7679k 0:00:00 ETA
```

Common.dll	1998/7/7 15:06	Application extens...	43 KB
digicap.dav	2017/3/21 15:20	DAV File	13,145 KB
media	2017/6/10 20:34	媒体文件(.mp4)	7,680 KB
sec	2007/2/1 11:44	VLC media file (.bi...	52 KB
tftp	2004/5/10 11:39	Application	80 KB
TFTPServer	2004/7/30 12:35	Application	23 KB
tftpsvc.dll	1998/7/8 11:12	Application extens...	19 KB
u-boot	2010/12/6 9:02	VLC media file (.bi...	143 KB
u-boot_8127	2015/10/14 20:11	VLC media file (.bi...	384 KB

- 2) For 6400HDI-T (Roaming Version)

- ① Input `showStreamInChanStat` to check the channel state, in this case, the channel number is 002



```
# ShowStreamInChanStat
streamIn Chan Stat:

-----stream in chan ipChan info-----
Chan[win-sw] decRes      bGetStream      ipStreamBaud    bDecoding      streamType      packageType      decReslution    bSaving
002 [001-01]  02:01           OSI_TRUE        937             OSI_TRUE        STD264          RTP              1280* 960        media.mp4

-----stream in chan logo info-----
streamInChan  logoIdx      bDisp           dispX           dispY           ImageW*H        bFlash          bTransl
2             -1           OSI_TRUE        0               0               000*000         0               *****

-----stream in chan audio info-----
streamInChan  bAudioOn     voNum           AudioAddr       stream in      chan audio      info
              voNum        volume          fpsDecA

-----video In chan Stat-----
videoInIdx    videoInName    busing          relateDecRes    relateStreamIn  relateDsp
1             DVI-1         *****        00:00           0               1
2             VGA-1         *****        00:00           0               2

-----StreamIn Ctrl Info-----
Chan[win-Sub]  FluentDispInfo decFps          prevFps         recvData        errData         SmartDispInfo
002[001-01]   *****:[0-0]  13             12              299010184       8562            *****
```

- ② Input `streamInChanSaveVideo chan:OPEN:media.mp4` to record the stream of certain channel, chan is the channel number checked in step 1. And after some time (several minutes), input `streamInChanSaveVideo chan:CLOSE` to stop recording

```
# streamInChanSavevideo 002:OPEN:media.mp4
# streamInChanSavevideo 002:CLOSE
```

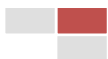
- ③ Input `cd dav4, ls` to check the stream recorded

```
# ls
bin  dav0  dav2  dev  home  log  opt  root  srv  tmp
dav  dav1  dav4  etc  lib  mnt  proc  sbin  sys  var
# cd dav4
# ls
media.mp4
```

- ④ Open cisco tftp, input `tftp -pl media.mp4 IP address` to export the stream recorded to the file of tftp server, IP address is the IP of tftp server

```
# tftp -pl media.mp4 10.5.2.17
```

Common.dll	1998/7/7 15:06	Application extens...	43 KB
digicap.dav	2017/3/21 15:20	DAV File	13,145 KB
media	2017/6/10 20:34	媒体文件(.mp4)	7,680 KB
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- Note:
1. Use "cd filename" to enter certain file
 2. Use "cd .." to return to previous directory
 3. Use "ls" to check the files in the directory



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