

Title:	How to use N+1 hot spare in NVR	Version:	v1.0	Date:	12/18/2018
Product:	NVR			Page:	1

How to test Soft Alarm

Description

Soft Alarm is used to be third-party-integrated, which can be triggered by URL to do Linkage Action in NVR.

Note: This function is now supported by I series and super I series NVR from V4.1.50.

Preparation

NVR, SDK demo, Computer, Network cable

1) In the web of NVR.

Steps:

1. Enter **Configuration** interface and **Event—Basic Event---Alarm Input**.
2. Select **Soft<-1**, and click **Enable Alarm Input Handling**. Then, configure the Arming Schedule and Linkage Method. Click **Save** button.

The screenshot displays the Hikvision NVR web interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar shows a tree view with 'Basic Event' selected. The main content area is titled 'Alarm Input' and contains the following fields:

- Alarm Input No.: SOFT<-1
- Alarm Type: (dropdown menu)
- IP Address: (text input)
- Alarm Name: (text input, marked as '(cannot copy)')
- Enable Alarm Input Handling

Below these fields are tabs for 'Arming Schedule' and 'Linkage Method'. The 'Arming Schedule' section features a 24-hour clock for each day of the week (Mon-Sun), with blue bars indicating the active period from 0 to 24 hours. At the bottom, there are 'Copy to...' and 'Save' buttons.

Title:	How to use N+1 hot spare in NVR	Version:	v1.0	Date:	12/18/2018
Product:	NVR			Page:	2

The screenshot shows the Hikvision NVR Configuration interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various system settings like Local, System, Network, Video/Audio, Image, and Event. The main content area is titled 'Alarm Input' and includes fields for 'Alarm Input No.' (SOFT<-1), 'IP Address', 'Alarm Type', and 'Alarm Name'. A checkbox for 'Enable Alarm Input Handling' is checked. Below these are tabs for 'Arming Schedule' and 'Linkage Method'. The 'Linkage Method' tab is active, showing a table of linkage options:

<input checked="" type="checkbox"/> Normal Linkage	<input type="checkbox"/> Trigger Alarm Output	<input type="checkbox"/> Trigger Recording	PTZ Linking <input type="checkbox"/>
<input checked="" type="checkbox"/> Audible Warning	<input type="checkbox"/> A->1	<input checked="" type="checkbox"/> D1	<input type="checkbox"/> Preset No. 1
<input checked="" type="checkbox"/> Send Email	<input type="checkbox"/> A->2	<input type="checkbox"/> D2	<input type="checkbox"/> Patrol No. 1
<input checked="" type="checkbox"/> Full Screen Monitoring	<input type="checkbox"/> A->3	<input type="checkbox"/> D3	<input type="checkbox"/> Pattern No. 1
	<input type="checkbox"/> A->4	<input type="checkbox"/> D4	
		<input type="checkbox"/> D5	
		<input type="checkbox"/> D6	
		<input type="checkbox"/> D7	
		<input type="checkbox"/> D8	
		<input type="checkbox"/> D9	
		<input type="checkbox"/> D10	

©2018 Hikvision Digital Technology Co., Ltd. All Rights Reserved.

2) SDK demo.

Steps:

1. Right click to add NVR, then enter the IP address and password and click add.

Title:	How to use N+1 hot spare in NVR	Version:	v1.0	Date:	12/18/2018
Product:	NVR			Page:	3



2. Choose NVR and click 'test' button, then click 'XML unvarnished transmission'.

Title:	How to use N+1 hot spare in NVR	Version:	v1.0	Date:	12/18/2018
Product:	NVR			Page:	4

ClientDemo

版本信息
build 20160623
HCNetsDK V5.2.3.3
PlayCtrl V7.3.0.82

配置 预览 回放 管理 其他 产品相关配置 退出

设备树 (右击添加设备)

- 10.9.96.238
- IPCamera1
- IPCamera2
- IPCamera3
- IPCamera4
- IPCamera5
- IPCamera6
- IPCamera7
- IPCamera8
- IPCamera9
- IPCamera10
- IPCamera11
- IPCamera12
- IPCamera13
- IPCamera14
- IPCamera15
- IPCamera16
- IPCamera17
- IPCamera18
- IPCamera19
- IPCamera20
- IPCamera21
- IPCamera22
- IPCamera23
- IPCamera24
- IPCamera25
- IPCamera26
- IPCamera27
- IPCamera28
- IPCamera29
- IPCamera30
- IPCamera31
- IPCamera32
- ZeroChan0

云台控制

左 上 右
下
缩 调焦 伸
近 聚焦 远
大 光圈 小

云台速度 1
预览点
1 调用 设置
巡航路径
1 调用 设置 删除
花样扫描
ID 1 开始 停止
删除单条 删除所有
运行 结束 云台守望
 开始手动跟踪定位
类型

高度
对比度
饱和度
色度
锐度
去噪
音量
默认值

本地日志 报警信息
清空 保存
列表配置 test

播放 录像 截图 强制上帧 画面窗口数 4 窗口网络延时 实时性较好

时间	状态	操作	设备信息	错误信息
19-03-27 10:48:13	SUCC	SDKState: dsTotalRealPlayNum 0		
19-03-27 10:48:12	SUCC	please select a device at first!		
19-03-27 10:46:22	SUCC	NET_DVR_GET_IPPARACFG_V40	[10.9.96.238]-[10...	
19-03-27 10:46:21	SUCC	multi-cast ipv4[0.0.0.0]	[10.9.96.238]-[10...	

ClientDemo

版本信息
build 20160623
HCNetsDK V5.2.3.3
PlayCtrl V7.3.0.82

配置 预览 回放 管理 其他 产品相关配置 退出

设备树 (右击添加设备)

- 10.9.96.238
- IPCamera1
- IPCamera2
- IPCamera3
- IPCamera4
- IPCamera5
- IPCamera6
- IPCamera7
- IPCamera8
- IPCamera9
- IPCamera10
- IPCamera11
- IPCamera12
- IPCamera13
- IPCamera14
- IPCamera15
- IPCamera16
- IPCamera17
- IPCamera18
- IPCamera19
- IPCamera20
- IPCamera21
- IPCamera22
- IPCamera23
- IPCamera24
- IPCamera25
- IPCamera26
- IPCamera27
- IPCamera28
- IPCamera29
- IPCamera30
- IPCamera31
- IPCamera32
- ZeroChan0

云台控制

左 上 右
下
缩 调焦 伸
近 聚焦 远
大 光圈 小

云台速度 1
预览点
1 调用 设置
巡航路径
1 调用 设置 删除
花样扫描
ID 1 开始 停止
删除单条 删除所有
运行 结束 云台守望
 开始手动跟踪定位
类型

高度
对比度
饱和度
色度
锐度
去噪
音量
默认值

本地日志 报警信息
清空 保存
列表配置 test

播放 录像 截图 强制上帧 画面窗口数 4 窗口网络延时 实时性较好

时间	状态	操作	设备信息	错误信息
19-03-27 10:48:47	FAIL	NET_DVR_GET_MEMU_OUTPUT_MODE	[10.9.96.238]-[10...	err[23:D...
19-03-27 10:48:47	FAIL	NET_DVR_GetSealeCFG_V30	[10.9.96.238]-[10...	err[23:D...
19-03-27 10:48:47	SUCC	NET_DVR_GET_DEVICECFG_V40	[10.9.96.238]-[10...	
19-03-27 10:48:13	SUCC	SDKState: dsTotalRealPlayNum 0		

test

GetPtzPos SetPtzPos string4

Actor 1
P 0
T 0
Z

ability ConvertCallBack CharCodeCB
GetAlarmOut DecodeInRealPlay VCA_DEBUG

能力集检测 XML透传

Version Head Test

Global Version 0 Set

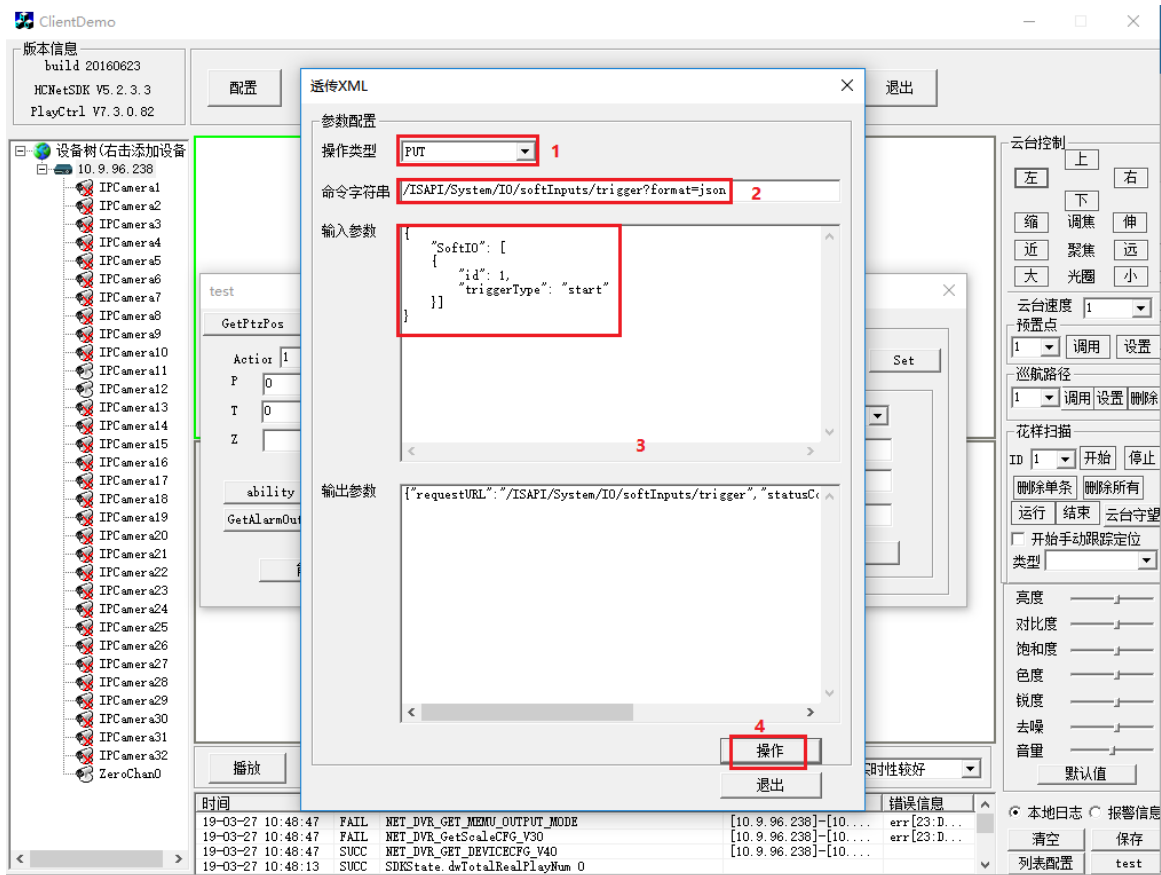
Version Head
Model Only 0 0
V0 0 0
V1 0 0
V2 0 0

Get Set

Title:	How to use N+1 hot spare in NVR	Version:	v1.0	Date:	12/18/2018
Product:	NVR			Page:	5

- Choose the operation type as 'PUT'. And enter the URL as '/ISAPI/System/IO/softInputs/trigger?format=json'. Then enter parameter as below, and click 'Operate' button to trigger alarm. If you want to trigger **Soft<-2**, you just need to modify the 'id' as '2'.

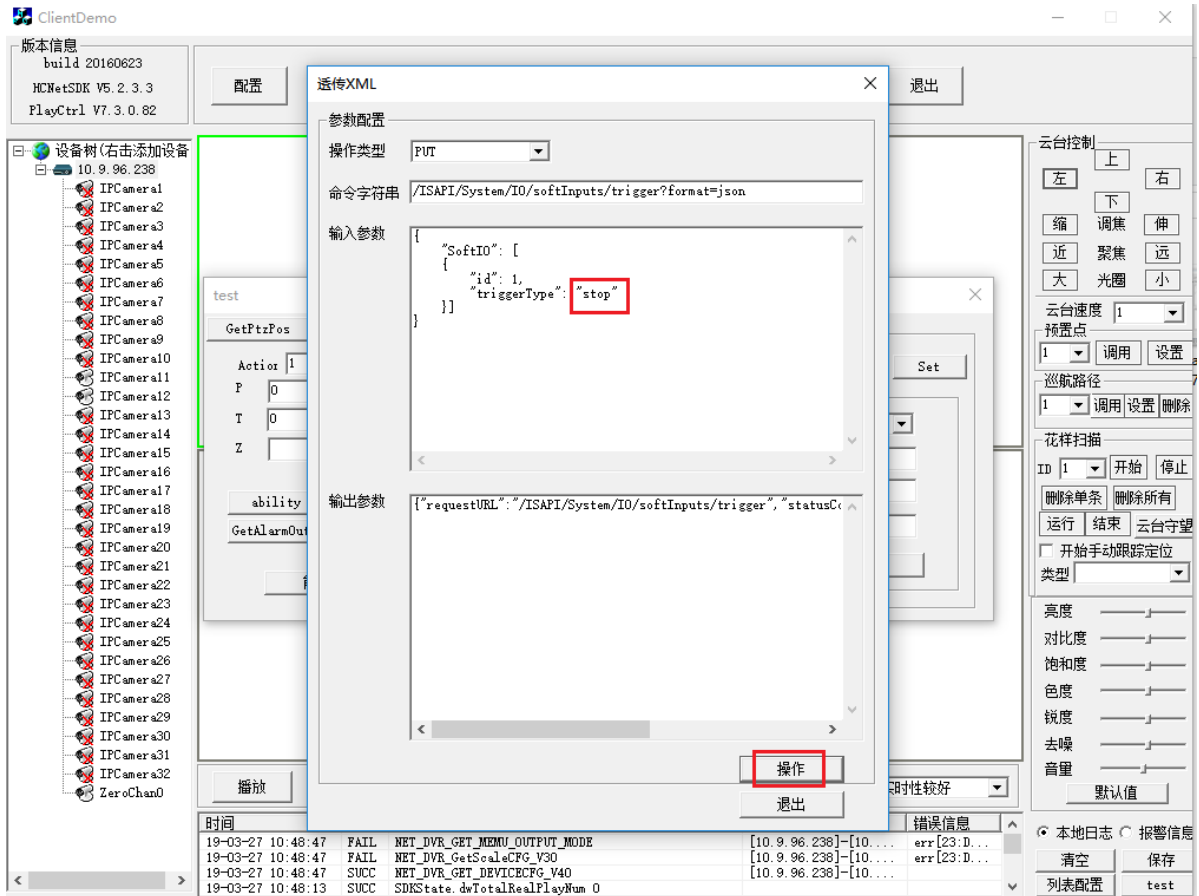
```
{  
  "SoftIO": [  
    {  
      "id": 1,  
      "triggerType": "start"  
    }  
  ]  
}
```



- If you want to stop alarm, you can replace the 'start' with 'stop' and click 'operate' button.

```
{  
  "SoftIO": [  
    {  
      "id": 1,  
      "triggerType": "stop"  
    }  
  ]  
}
```

Title:	How to use N+1 hot spare in NVR	Version:	v1.0	Date:	12/18/2018
Product:	NVR			Page:	6



First Choice for Security Professionals

HIKVISION Technical Support