



How to Configure the SRTP Live View

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How to Configure the SRTP Live View

Preparation

1. SDKdemo tool downloaded from Hikvision Homepage.

How to Configure the SRTP Live View

1. Tools

- 1) SDKdemo is needed.

2. Configuration

- 1) Go to Configuration – Network – Multicast to configure the Multicast IP address within 224.0.2.0 ~ 238.255.255.255.

【Configure this Address if you want to enable the multicast. This step is NOT necessary】.

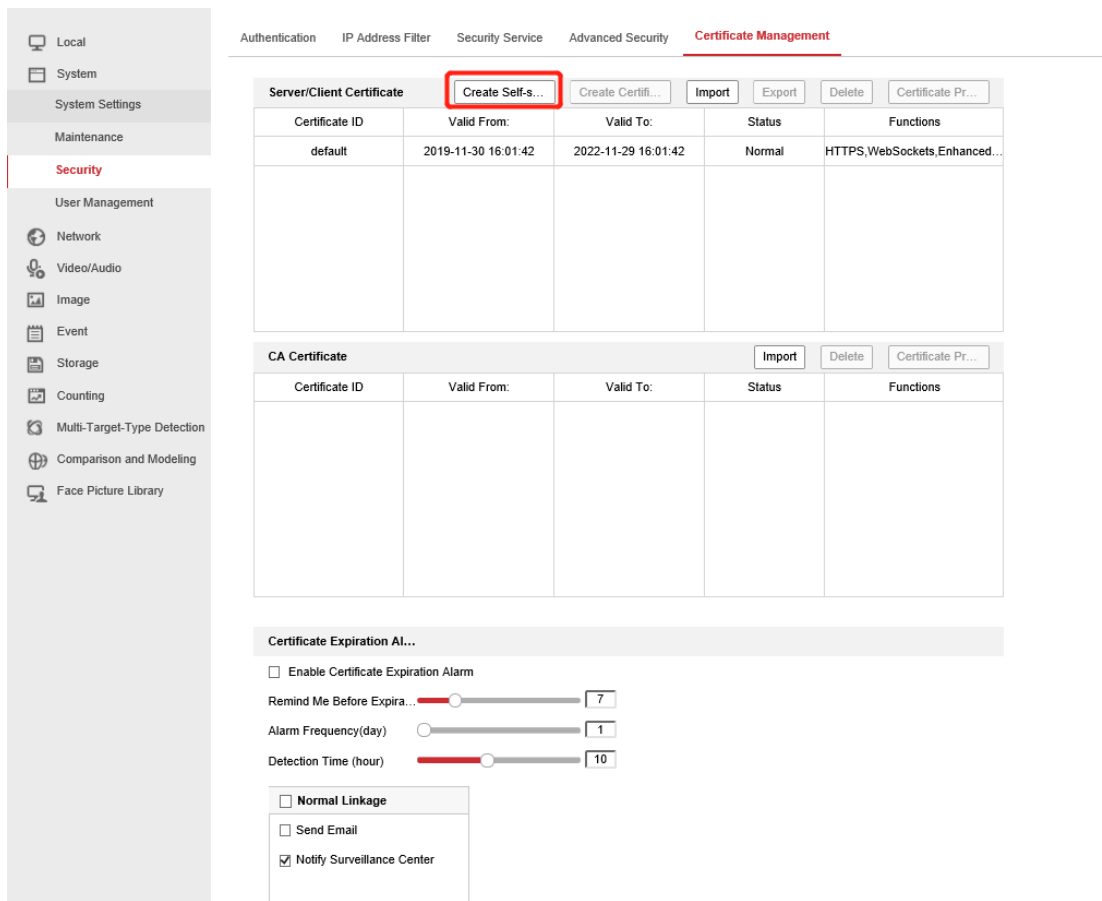
The screenshot shows the Hikvision configuration interface. The top navigation bar includes Live View, Playback, Picture, Application, Configuration (highlighted), and Smart Display. The left sidebar shows a menu with categories like Local, System, Network, Basic Settings, and Advanced Settings. The main content area is titled 'Multicast' and contains the following settings:

TCP/IP	DDNS	PPPoE	Port	NAT	Multicast
IP Address			239.1.2.3		✓
Stream Type			Main Stream		
RTSP					
Video Port			8860		✓
Audio Port			8862		✓
FEC Port			9860		✓
FEC Ratio			0		✓ %
SRTP					
Video Port			18860		✓
Audio Port			18862		✓

A red 'Save' button is located at the bottom of the configuration area.

- 2) Go to Configuration – System – Security to configure the certification of SRTP by importing the SRTP certification or clicking the Create Self-signed Certificate to create one.

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Authentication IP Address Filter Security Service Advanced Security **Certificate Management**

Server/Client Certificate **Create Self-s...** Create Certifi... Import Export Delete Certificate Pr...

Certificate ID	Valid From:	Valid To:	Status	Functions
default	2019-11-30 16:01:42	2022-11-29 16:01:42	Normal	HTTPS,WebSockets,Enhanced...

CA Certificate Import Delete Certificate Pr...

Certificate ID	Valid From:	Valid To:	Status	Functions
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Certificate Expiration Al...

Enable Certificate Expiration Alarm

Remind Me Before Expiration: 7

Alarm Frequency(day): 1

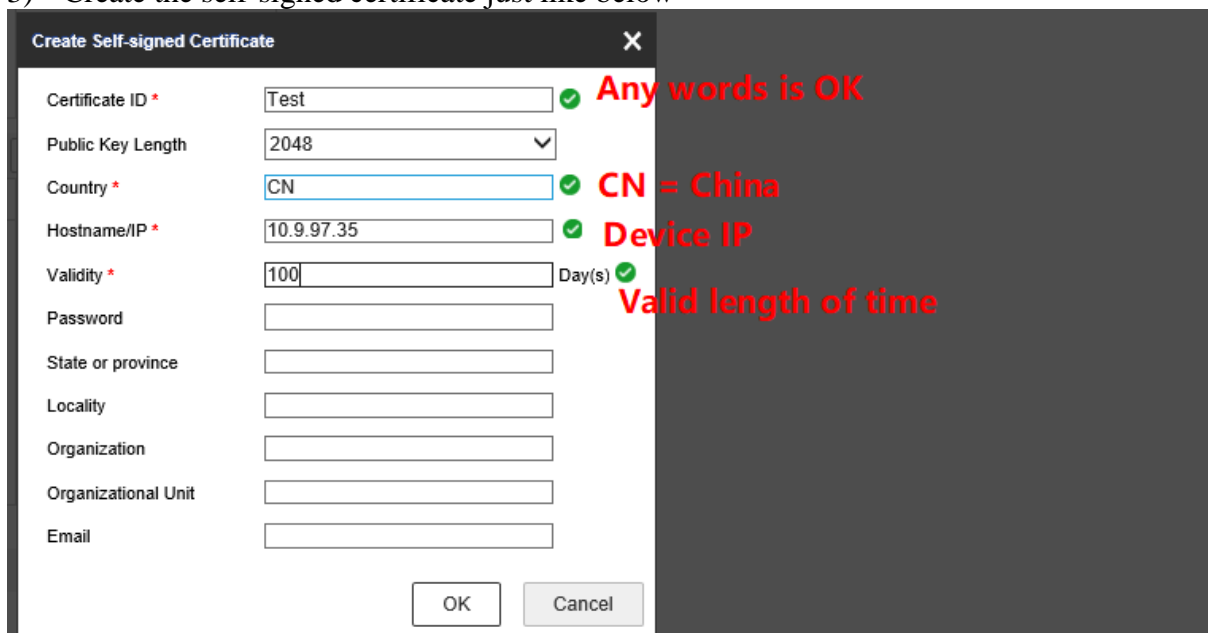
Detection Time (hour): 10

Normal Linkage

Send Email

Notify Surveillance Center

3) Create the self-signed certificate just like below



Create Self-signed Certificate X

Certificate ID * Test ✓ Any words is OK

Public Key Length 2048

Country * CN ✓ CN = China

Hostname/IP * 10.9.97.35 ✓ Device IP

Validity * 100 Day(s) ✓ Valid length of time

Password

State or province

Locality

Organization

Organizational Unit

Email

OK Cancel

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The screenshot shows the 'Certificate Management' page in the Hikvision configuration interface. The 'Server/Client Certificate' section contains a table with the following data:

Certificate ID	Valid From:	Valid To:	Status	Functions
default	2019-11-30 16:01:42	2022-11-29 16:01:42	Normal	HTTPS,WebSockets,Enhanced...
Test	2020-04-27 04:48:36	2020-08-05 04:48:36	Normal	

Below this table is the 'CA Certificate' section, which is currently empty.

You will see eventually like above.

- 4) Go to Configuration – Network – Advanced Settings - SRTP , then choose the certification you just imported or created.

The screenshot shows the 'SRTP' configuration page in the Hikvision configuration interface. The 'Server Certificate' dropdown menu is open, showing the following options:

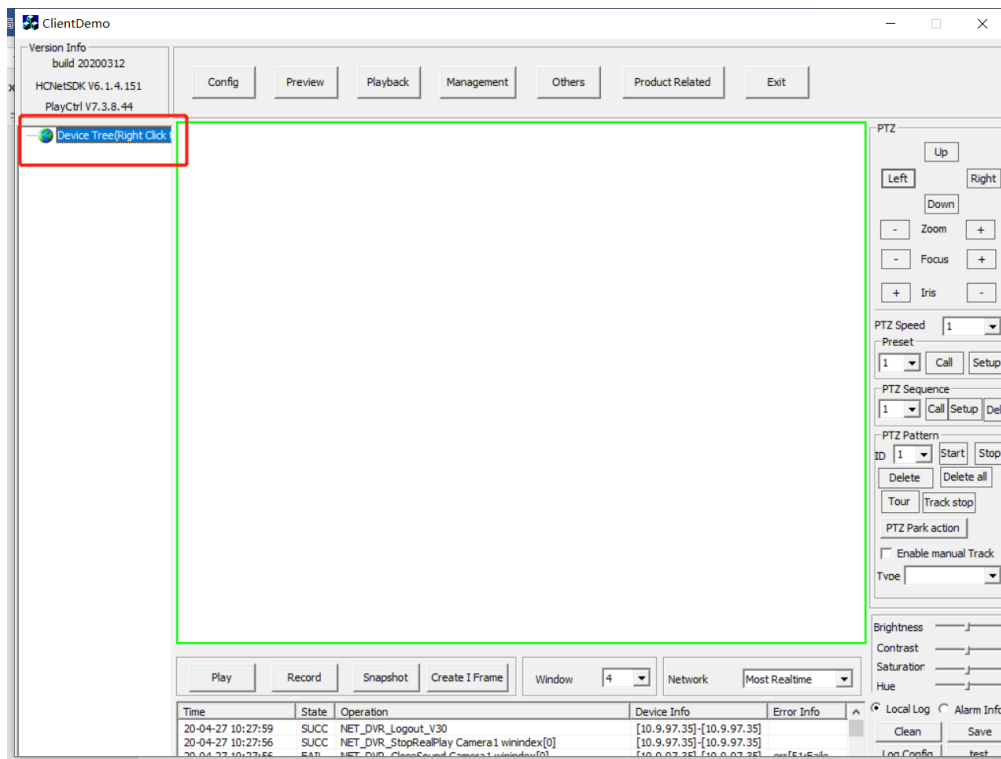
- No certificate
- default
- Test (selected)

The 'Encrypted Algorithm' is set to 'AES256'. A red 'Save' button is visible at the bottom of the configuration area.

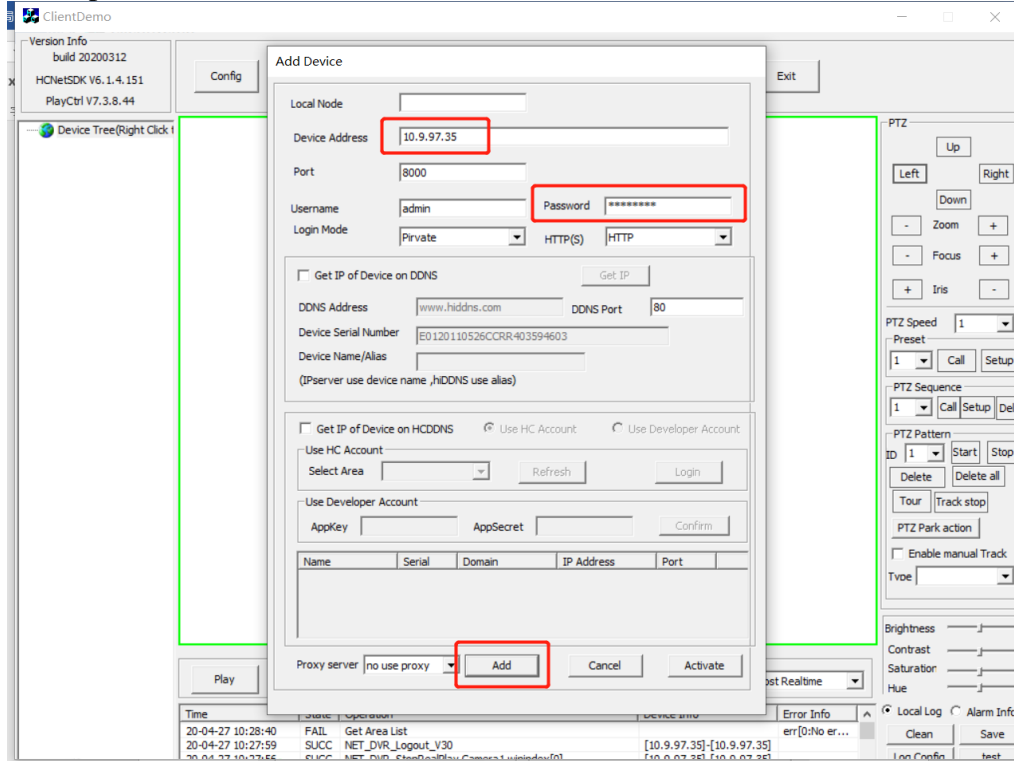
3. SDKdemo Verification

- 1) Right click the Device Tree to add the device.

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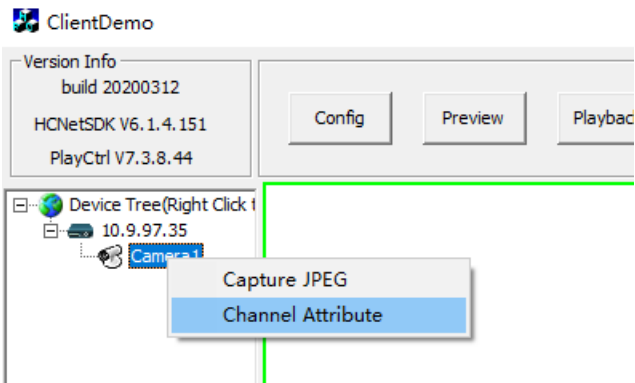


2) Input the Device Address and Password then click Add.



3) Right click the device and click Channel Attribute.

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- 4) Configure the attributes like below and click Confirm. 【Configuration Step 1 is necessary if you choose the Multicast】

Select UDP or Multicast

Select SRTP

- 5) Double click the camera icon to check the preview effects.

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ClientDemo

Version Info
 build 20200312
 HCNetsDK V6.1.4.151
 PlayCtrl V7.3.8.44

Config Preview Playback Management Others Product Related Exit

Device Tree(Right Click)
 10.9.97.35
 Camera1

04-27-2020 Mon 03:41:32

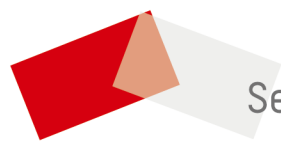
PTZ
 Up
 Left Right
 Down
 Zoom +
 Focus +
 Iris -
 PTZ Speed 1
 Preset
 Call Setup
 PTZ Sequence
 Call Setup Del
 PTZ Pattern
 ID 1 Start Stop
 Delete Delete all
 Tour Track stop
 PTZ Park action
 Enable manual Track
 Type

Brightness
 Contrast
 Saturator
 Hue

Stop Record Snapshot Create I Frame Window Network Most Realtime

Time	State	Operation	Device Info	Error Info
20-04-27 10:42:26	SUCC	NET_DVR_RegisterDrawFun	[10.9.97.35] [10.9.97.35]	
20-04-27 10:42:26	SUCC	NET_DVR_RealPlay_V40 Camera1 stream[0] pro[1]	[10.9.97.35] [10.9.97.35]	
20-04-27 10:42:26	FAIL	NET_DVR_DealPlay_V40 Camera1 stream[0] pro[1]	[10.9.97.35] [10.9.97.35]	Device not found

Local Log Alarm Info
 Clean Save
 Log Config test



See Far, Go Further