

User manual

(RTSP Server)

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Chapter 1 Configuration

1.1 Configuration Templates

```
<?xml version="1.0" encoding="utf-8"?>
<config>
  <serverip></serverip>
  <serverport>554</serverport>
  <output>
    <url>screenlive</url>
    <video>
      <codec>H264</codec>
      <width></width>
      <height></height>
      <framerate></framerate>
      <globalheader>1</globalheader>
    </video>
  </output>
  <output>
    <url></url>
    <video>
      <codec>H264</codec>
      <width></width>
      <height></height>
      <framerate></framerate>
      <globalheader>1</globalheader>
    </video>
    <audio>
      <codec>G711U</codec>
      <samplerate></samplerate>
      <channels></channels>
    </audio>
  </output>
  <proxy>
    <suffix>test1</suffix>
    <url></url>
    <user></user>
    <pass></pass>
    <width>640</width>
```

```
<height>480</height>
</proxy>
</config>
```

1.2 Configuring Node Description

<serverip>

Specify the IP address RTSP server bindings, if not specified, the RTSP server will bind to the default routing interface IP address.

<serverport>

Specify the port RTSP server binding, the default is 554.

<output> : Specify the audio and video output parameters, it can configure multiple nodes

<url>

Match URL address, it can be filename, or file extension name. Such as:

screenlive : match live screen stream

videodevice : match camera video stream

*.mp4 : match all mp4 media file

sample.flv : match sample.flv file

If not config this node, it will match all url as the audio/video default output parameters.

The match order from top to bottom, therefore the default output configuration should be placed in the last.

<video> : Specify the video output parameters

<codec>

Specify the video stream codec, it can specify the following value:

H264 : output H264 video stream

H265 : output H265 video stream

MP4: output MP4 video stream

JPEG: output MJPEG video stream

<width>

Specify the output video width, If 0 use the original video width (live screen stream use the screen width, camera stream use the default width)

<height>

Specify the output video height, If 0 use the original video height (live screen stream use the screen height, camera stream use the default height)

<framerate>

Specify the output video framerate, If 0 use the original video framerate (live screen use the default value 15, camera stream use the default value 25)

<globalheader>

If globalheader is 0, then send encoder parameters with per I-Frame.

If globalheader is 1, then send encoder parameters with rtsp describe response message.

<audio> : Specify the audio output parameters

<codec>

Specify the audio stream codec, it can specify the following value:

G711A: output G711 a-law audio stream

G711U: output G711 mu-law audio stream

G726: output G726 audio stream

AAC: output AAC audio stream

<samplerate>

Specify the audio sample rate, it can specify the following values:

8000, 11025, 12000, 16000, 22050, 24000, 32000, 44100, 48000

If 0 use the original audio sample rate (audio device stream use the default value 8000)

<channels>

Specify the audio channel number, 1 is mono, 2 is stereo

If 0 use the original audio channel number (audio device stream use the default value 2)

Note : G726 only support mono.

<proxy> : Specify the rtsp proxy parameters, it can configure multiple nodes

<suffix>

Specify the rtsp stream suffix, you can play the proxy stream from:

rtsp://youip/suffix

<url>

The original rtsp stream address

<user> <pass>

Specify the original rtsp stream login user and password information

<width> <height>

If the original rtsp video stream is MJPEG, you need specify the video stream width and height, other video format will skip them.

Chapter 2 Run RTSP Server

The server is a console application. To run the server, simply type "rtspserver".

Note : The demo version has the following limitations

Maximum support two simultaneous client connections.

Open our website when client connecting.

Only support output H264 video stream

Only support output G711 a-law audio stream

Only support one proxy rtsp stream