User manual

（RTSP Server）

Declaration

Since the product version upgrade or other reasons, this manual will subsequently be updated. Unless otherwise agreed, this manual only as a guide, this manual all statements, information, recommendations do not constitute any express or implied warranties。

www.happytimesoft.com

Table of Contents

Chapter 1 Configuration

1.1 Configuration Templates

```xml
<?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>
        </video>
    </output>
    <output>
        <url></url>
        <video>
            <codec>H264</codec>
            <width></width>
            <height></height>
            <framerate></framerate>
        </video>
        <audio>
            <codec>AAC</codec>
            <samplerate></samplerate>
            <channels></channels>
        </audio>
    </output>
</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

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)

    \<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.

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

The release version maximum support 64 simultaneous client connections, without any other limitations.