User manual

（Stream2file）

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Declaration

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Chapter 1 Introduction

Happytime stream2file saves rtsp/rtmp stream data to file. It supports H264, H265, MJPEG, MPEG4 video format, support G711A, G711U, G726, G722, AA audio format.

The easiest configuration is to save the RTSP/RTMP stream to a file. Automatic calculation of frame rate, video resolution and other parameters. The generated file supports most media players, supports index lookup, and supports reverse playback.

Chapter 2 Configuration

2.1 Configuration Templates

```
<?xml version="1.0" encoding="utf-8"?>
<config>
    <log_enable>1</log_enable> <!-- Log enable flag, 0-disable, 1-enable -->
    <log_level>1</log_level>
    <stream2file>
        <url>rtmp://192.168.3.17/myapp/test.mp4</url>
        <user>admin</user>          <!-- login user -->
        <pass>admin</pass>          <!-- login pass -->
        <savepath></savepath>       <!-- File save path -->
        <filefmt>MP4</filefmt>      <!-- File format, AVI-avi file, MP4-mp4 file -->
        <recordsize>0</recordsize>  <!-- Maximum recording time, 0 means no limit, unit is KB -->
        <recordtime>0</recordtime> <!-- Maximum recording size, 0 means no limit, unit is second -->
    </stream2file>
    <stream2file>
        <url>rtsp://192.168.3.17/test.mp4</url>
        <user>admin</user>          <!-- login user -->
        <pass>admin</pass>          <!-- login pass -->
        <savepath></savepath>       <!-- File save path -->
        <filefmt>AVI</filefmt>      <!-- File format, AVI-avi file, MP4-mp4 file -->
        <recordsize>0</recordsize>  <!-- Maximum recording time, 0 means no limit, unit is KB -->
        <recordtime>0</recordtime> <!-- Maximum recording size, 0 means no limit, unit is second -->
    </stream2file>
</config>
```

2.2 Configuring Node Description

2.2.1 System parameters

<log_enable>

Whether enable the log function,0-disable,1-enable

<log_level>

The log level:

TRACE	0
DEBUG	1
INFO	2
WARN	3
ERROR	4
FATAL	5

2.2.2 *stream2file* node

<stream2file> : it can configure multiple nodes

<**purl>**

RTSP or RTMP stream address

<user>

Login username

<pass>

Login password

<savepath>

File save path. the specified path must exist

<filefmt>

File format. AVI-avi file, MP4-mp4 file

<recordsize>

Maximum recording time, 0 means no limit, unit is KB

<recordtime>

Maximum recording size, 0 means no limit, unit is second

Note: Windows platform, directory with \ split, linux platform directory with / split

Note: The file name will be generated in the following format:

ip_year_month_day_hour_minute_second.avi, The following example:

192.168.1.50_2019_4_23_16_05.avi

Chapter 3 AVI file repair tool(AviFixer)

When the program is abnormally shut down or the device suddenly loses power, the written file does not update the necessary information, there will be mosaics when playing videos.

AviFixer tool is used to repair such files.

AviFixer is a command line tool with the following command format:

avifixer options <filename>

-h print this help

-r remove the input file

-o <filename> the fixed file save path

Chapter 4 Run Stream2file

The stream2file is a console application.

Windows: to run the server, simply type "stream2file".

Linux: to run the stream2file, type "./start.sh", on linux platform, stream2file run as deamon by default.

Note : The demo version has the following limitations

Maximum support two simultaneous streams.