Quick Start Guide

E1-s Video Encoder

SDI video encoder

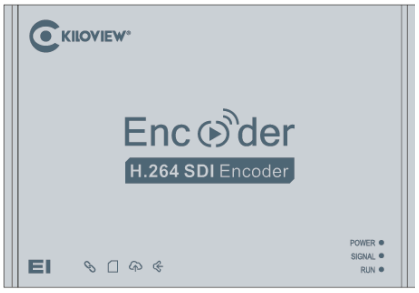


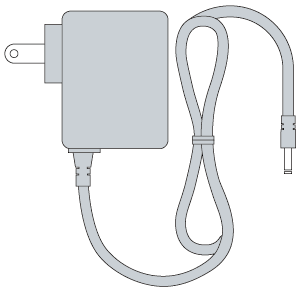
Contents

- Packing List
- Device interfaces and functions
- Device connection, login and applications
- Device upgrade and restore the factory settings

Before using this product, it is recommended that you read the guide carefully. To ensure your personal safety and avoid physical or electrical damage to the device, please strictly follow the instructions of this guide to install and use it under the guidance of professionals. Incorrect electrical connections or physical installation may cause permanent damage to the device and even threaten personal safety.

1 Packing List







(1) **Device ×1**

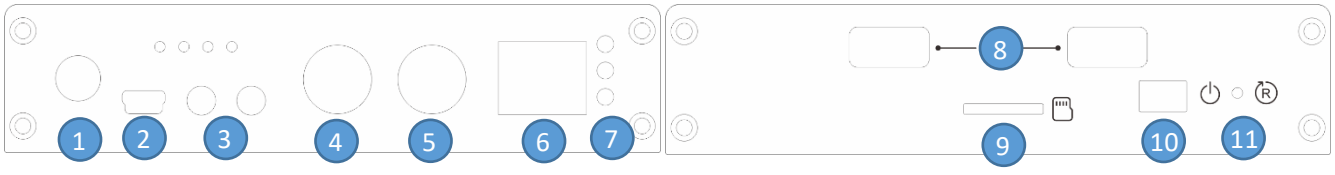
(2) Power Supply×1

(3) Warranty Card×1



(4) **Quick Start Guide×1**

2 Device Interfaces

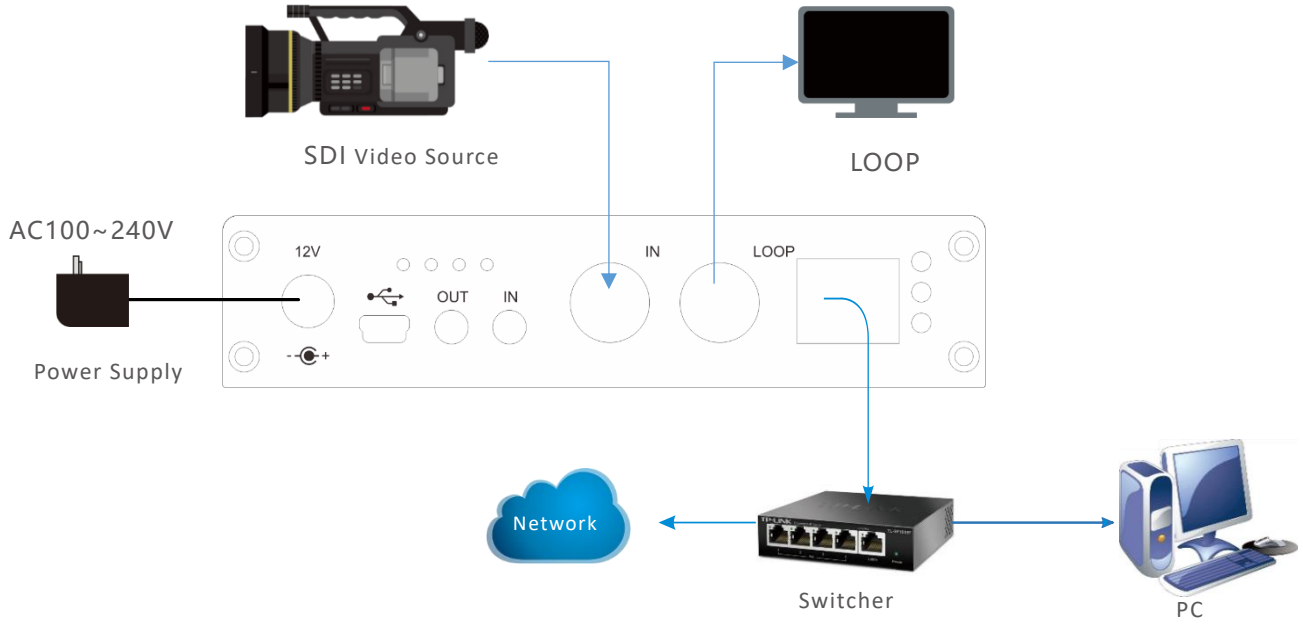


(1) Power port
(2) Mini USB
(3) 3.5mm line in/out
(4) SDI Input
(5) SDI Loop
(6) 100M Ethernet port
(7) Working indicators
(8) USB expansion port
(9) Micro SD/TF slot
(10) Power on /off
(11) Reset

3 Device Indicators

	Name	Color	Status	Description
LED Indicators	Power	Red	ON	Power connected
			OFF	Power off or failure
	Signal	Green	ON	SDI signal connected
			OFF	SDI signal unconnected
	Run	Green	Flashing	Working
			ON	Starting
			OFF	Device is abnormal or not started

4 Device Connection



Note

- Please use the equipped power adapter to power the device. Other unqualified power supplies may damage the device.
- Under encoding mode, please make sure the camera is connected to the SDI IN port.
- Loop is not a must, you can connect to the SDI OUT port when loop out is needed.

5 Device Discovery

5.1 Use the free tool---ONVIF Device Manager

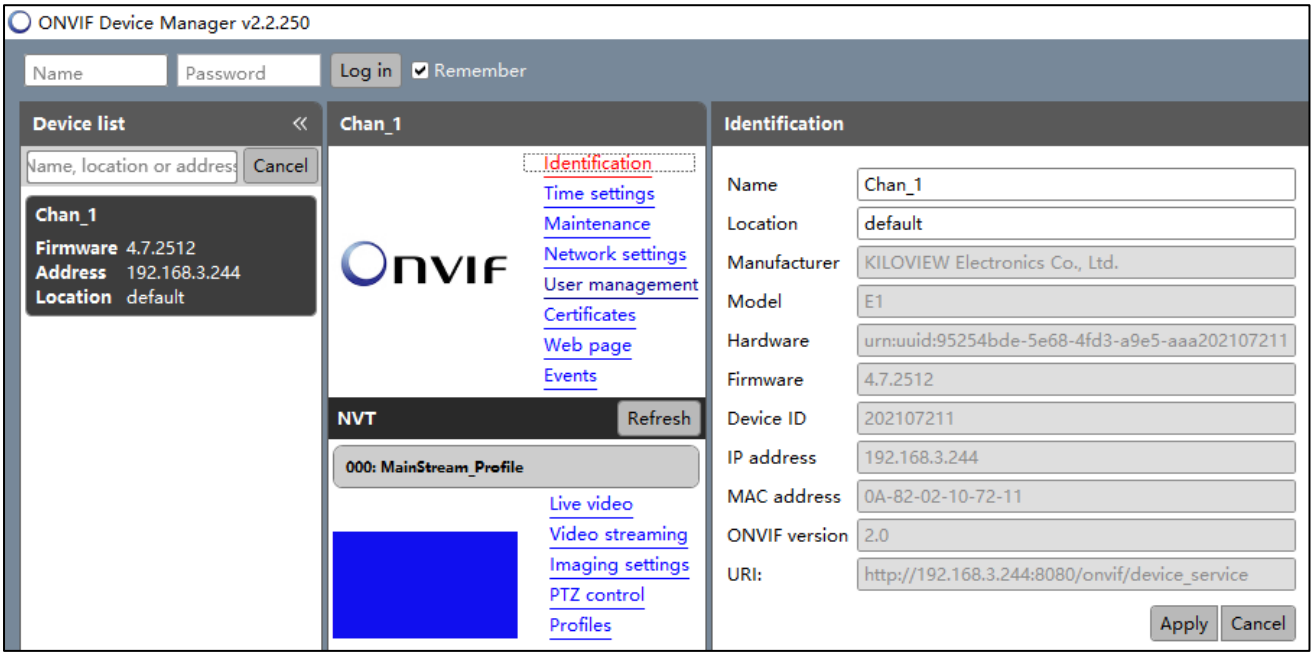
Download the ONVIF Device Manager for free

Visit the website https://sourceforge.net/projects/onvifdm/ to download and install ONVIF Device Manager. Please follow the software operation guidelines for the download method/installation.

ONVIF Device Manager is a network video app for managing network video, network video storage and network video analysis. Realize services such as discovery device, media, imaging, analysis and PTZ.

Step 1: Start ONVIF Device Manager, all devices in the network can be found in the left device list.

Step 2: Click the device in the device list, the device information will be displayed in the information bar.



Introduction

- **Access method**: Open a web browser and enter in the address bar: http://device IP address/ (the device IP address is the IP address of the E1-s displayed in the device list).
- The working network that the device is connected needs to support automatic acquisition of IP (DHCP). After the device automatically acquires the IP, it can be discovered by the software through Onvif.

5.2 Solution for the device cannot be found.

If the device can't be found in the network with the above two methods due to the network environment, please kindly try to access the device by its default IP address 192.168.1.168. That is to say, enter http://192.168.1.168/ in the browser to enter the Web UI.

Website for more information on E1-s video encoder

https://www.kiloview.com/en/support/

6 Login to the device WEB page

Enter to the Web page of the device, both the user name and password are admin by default.

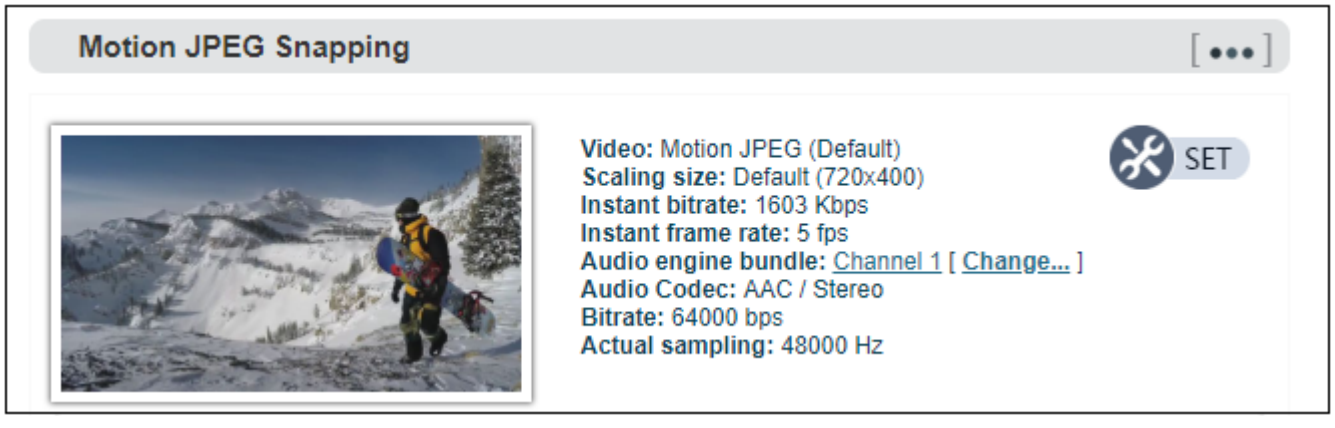
Note

- To ensure information security, it is recommended to change your password immediately after logging in for the first time!
- Due to the browser compatibility issues, it is recommended to use Chrome, Firefox or Edge.

7 Device Working

7.1 Video source checking

When there is no video signal input, the Motion JPEG stream displays a blue image. If the video input, there will be a real-time video displayed and changes every three seconds.



Note

If the video source connected, there is still a blue screen or video displayed abnormality. Please check the input video source, the video resolution format or cables, etc.

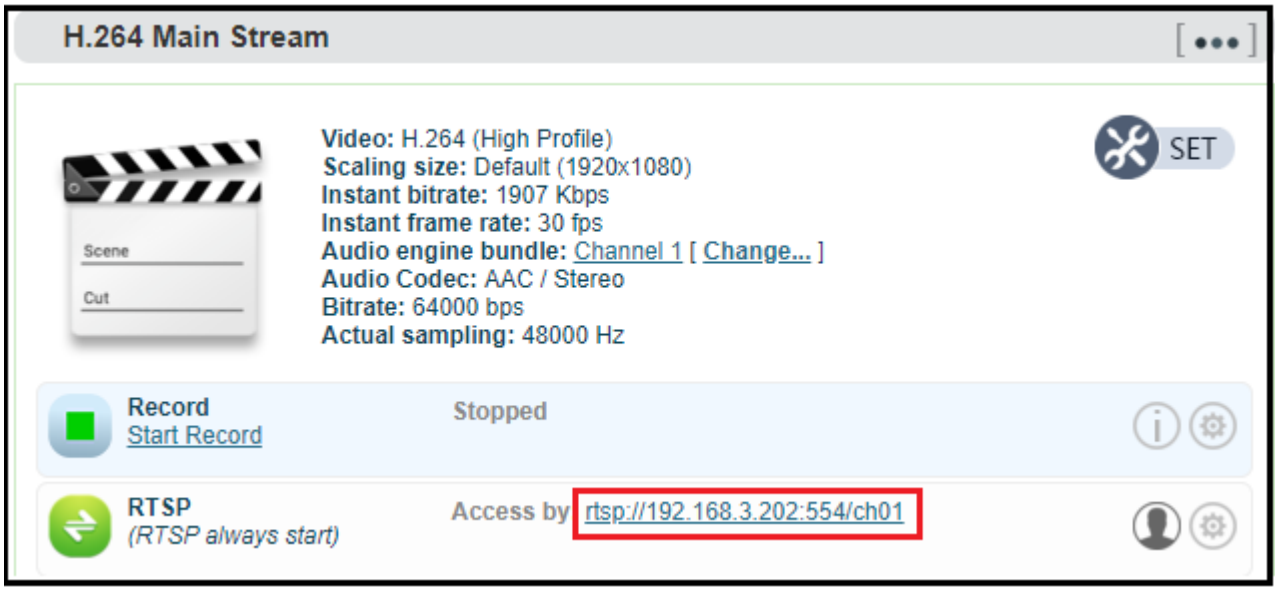
7.2 Encoding streams checking

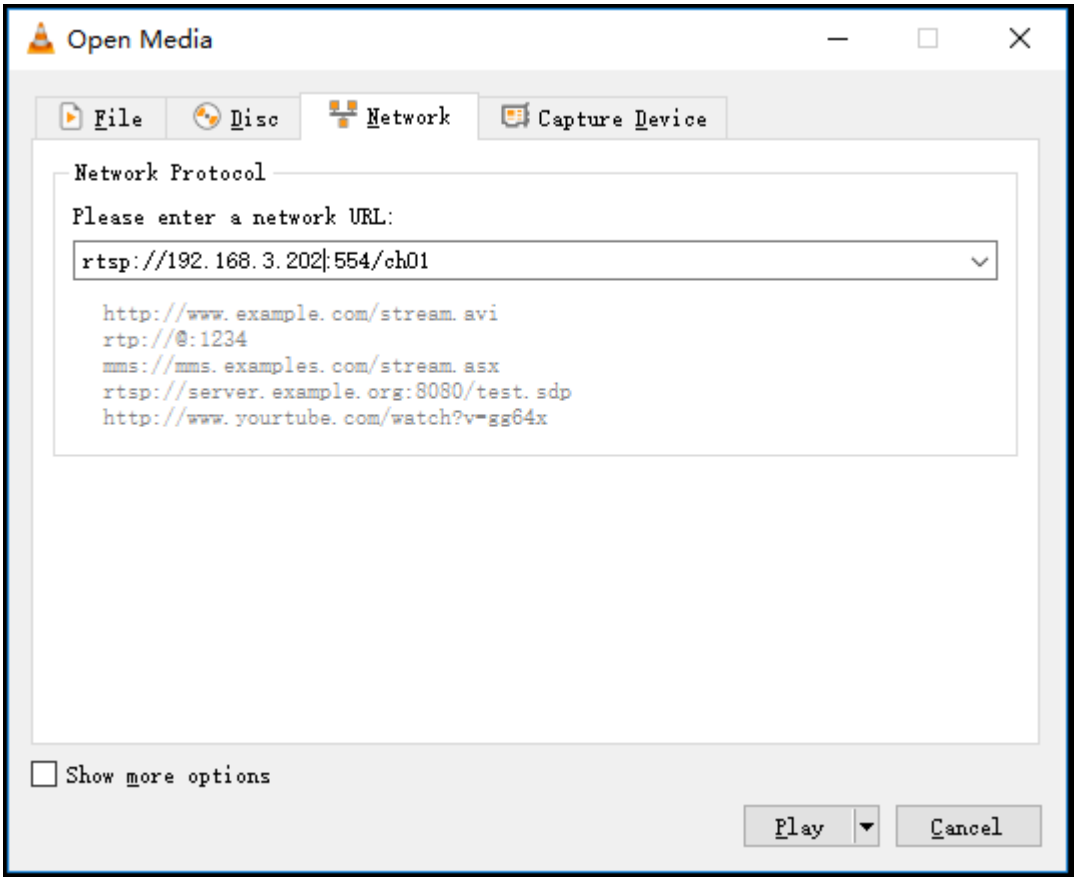
Download the VLC

Download and install the VLC through the official address https://www.videolan.org/vlc/. Please follow the official guidelines of VLC for the download /installation.

VLC is a free, open source, cross-platform multimedia player and framework that can play most multimedia files, as well as DVD, CD, VCD and various streaming protocols.

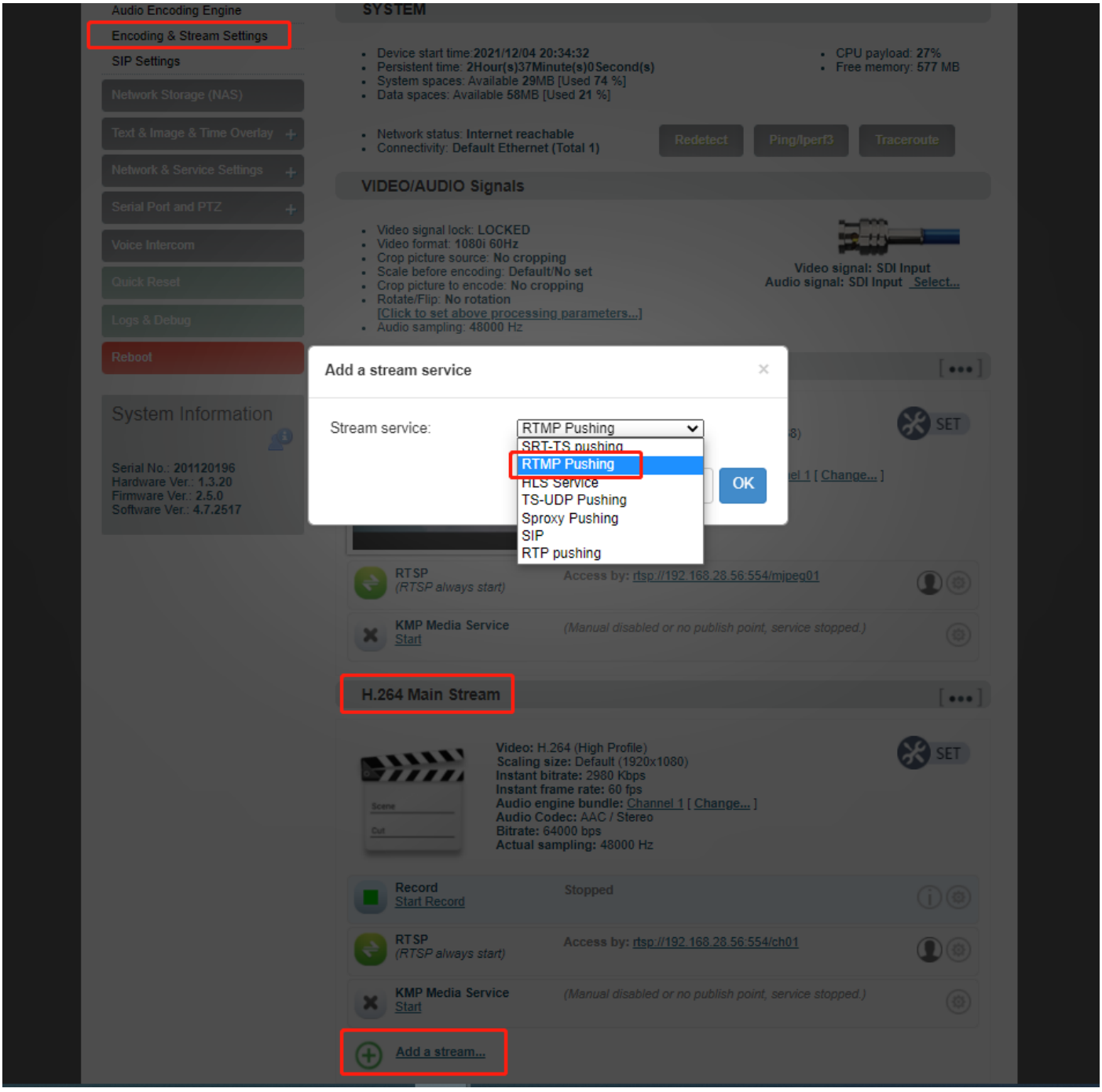
1. Click the "Encoding and Streaming" - "Encoding and Streaming Parameter Settings";
2. In the H.264 stream, copy the URL address displayed on the right side of RTSP;
3. Open "Media" ----“Network Streaming" of VLC;
4. Enter the URL address of RTSP in the network, and click the [Play] button in the lower right corner;
5. VLC will play the input video of device.





7.3 RTMP Pushing streaming live

First, add an RTMP push point on the device side. Click "Encoding and Media Streaming" --- "Encoding and Streaming Parameter Settings", and then click "Add a Streaming Service" under the H.264 main stream, and select "RTMP Push" in the pop-up window ". After confirmed, a push pint is generated.



Take FACEBOOK as an example, first obtain the RTMP push URL on the live platform. Login to FACEBOOK, click "Live Video" to enter the live room, and click "Use Stream Key" for live broadcast. Fill in the URL of live broadcast and Stream Key into the URL address of the RTMP push point, and start the streaming service. You can see the video in the live broadcast room.

Introduction

- If the platform RTMP streaming address and live broadcast code are separate, please use the symbol "/" to add the live broadcast code after the RTMP address. The format is: rtmp address/live code.
- Please make sure the device is connected to the network, and configure the correct IP address, DNS and other

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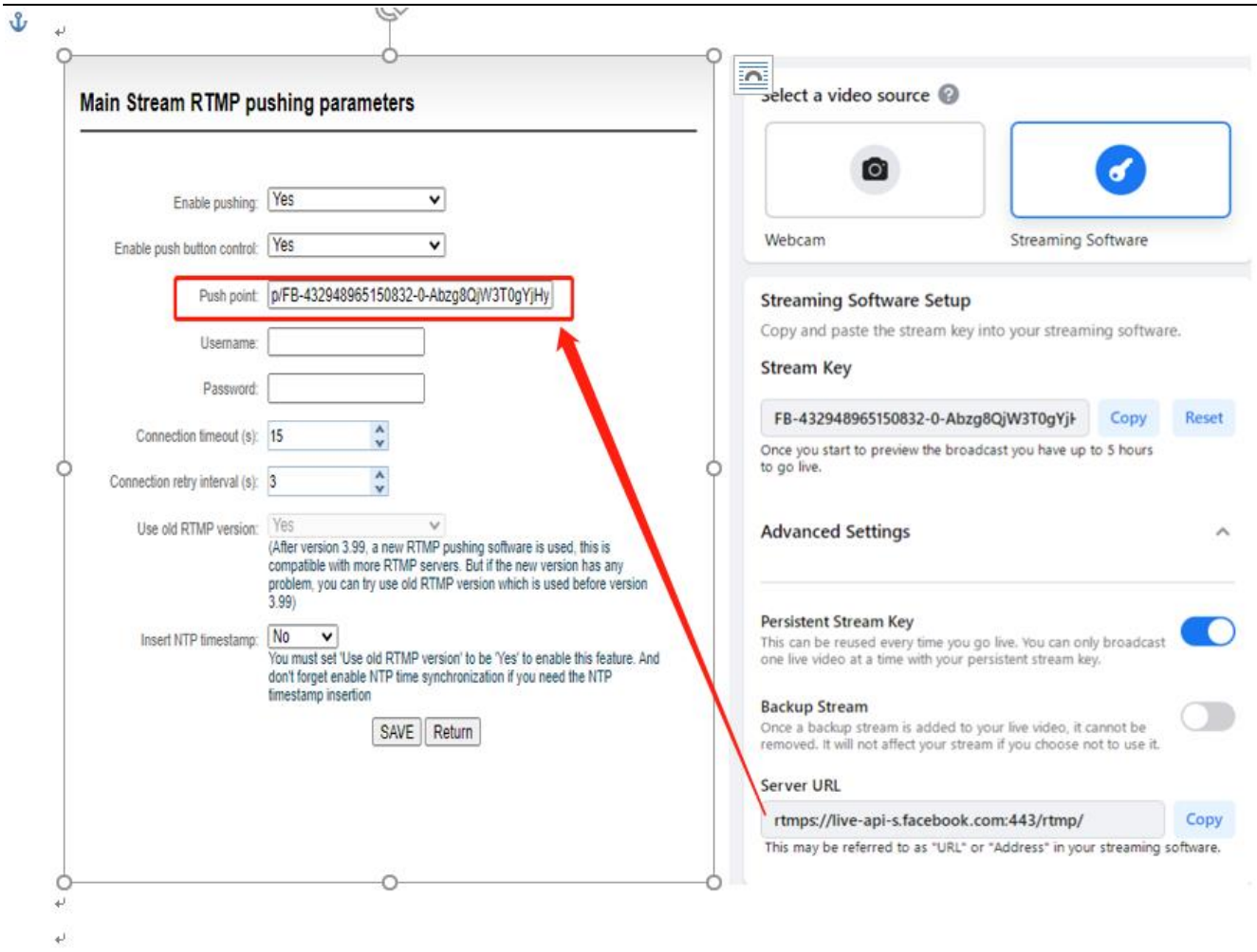
parameters.



Website for more information about the E1-s streaming service:

https://www.kiloview.com/en/support/docs/E1-s/

8 Firmware Upgrading

8.1 Download upgrade firmware

Kiloview will continue to provide the firmware of updating functions and fixing bug for E1-s, please visit:

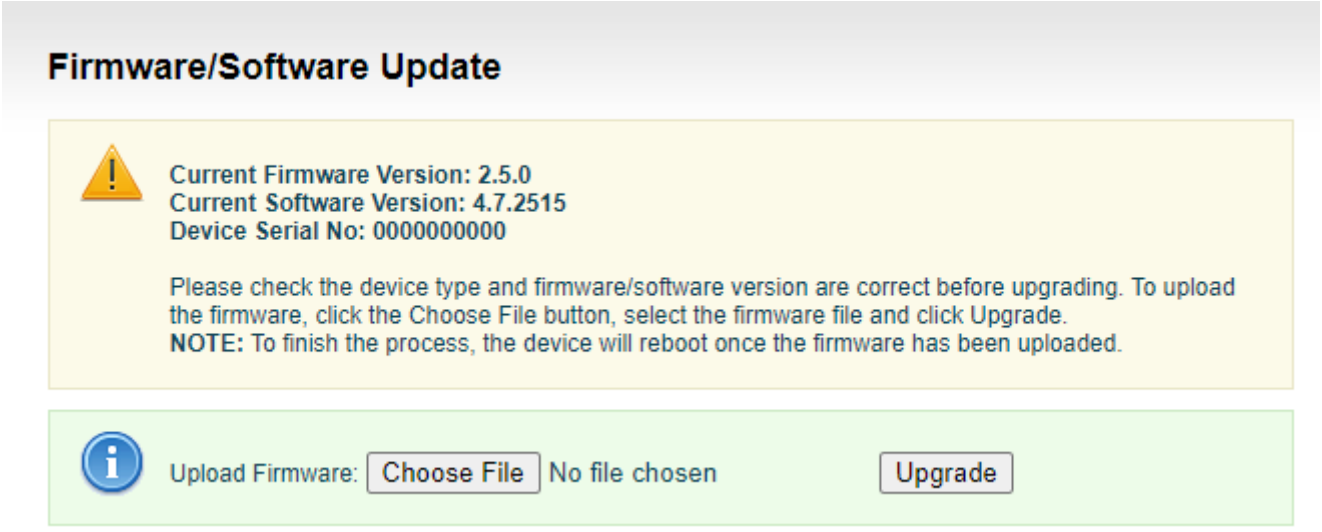
https://www.kiloview.com/en/support/download/

Select “video encoders” > “E1-s”, find and download the latest firmware.

8.2 Upgrade device firmware

Login to the web page of E1-s, click "Settings"-- "Firmware Upgrade" to check whether the latest firmware version downloaded is higher than your current version. If yes, select the downloaded firmware and click "Firmware Upgrade".

After uploaded the firmware successfully, it needs to reboot the device. After clicking “ok”, the device will restart, please be patient.



Note

- Please not power off during the upgrade process, otherwise the device couldn’t work.
- Generally, it will take 3-5 minutes to upgrade the device. If it’s still not completed after 5 minutes, please try refreshing webpage, if you still can’t access it, please try to contact technical support.

9 Restore factory settings

If the device cannot work normally after modified the parameters or forgot internet IP configuration and couldn't search and find the device, please restore factory settings.

Two methods for restoring factory settings:

1) If you can login to web page, then via the WEB page, click "Settings—System settings--Restore factory settings".

2) If you can't login to web page, press the RESET button for 5 seconds in the bottom of device.

Note: After restoring factory setting, below parameters will be turned to default value:

- Login username and password will be "admin";
- IP address will be restored as 192.168.1.168, subnet mask will be 255.255.255.0;
- All encoding parameters of video and audio will be restored to default value;

10 Others

To prolong the device life, please unplug the power and keep it properly if you do not use it for a long time.

For more questions, please contact us via:

https://www.kiloview.com/en/support

Please scan with browser.

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