X1 4G Bonding Encoder

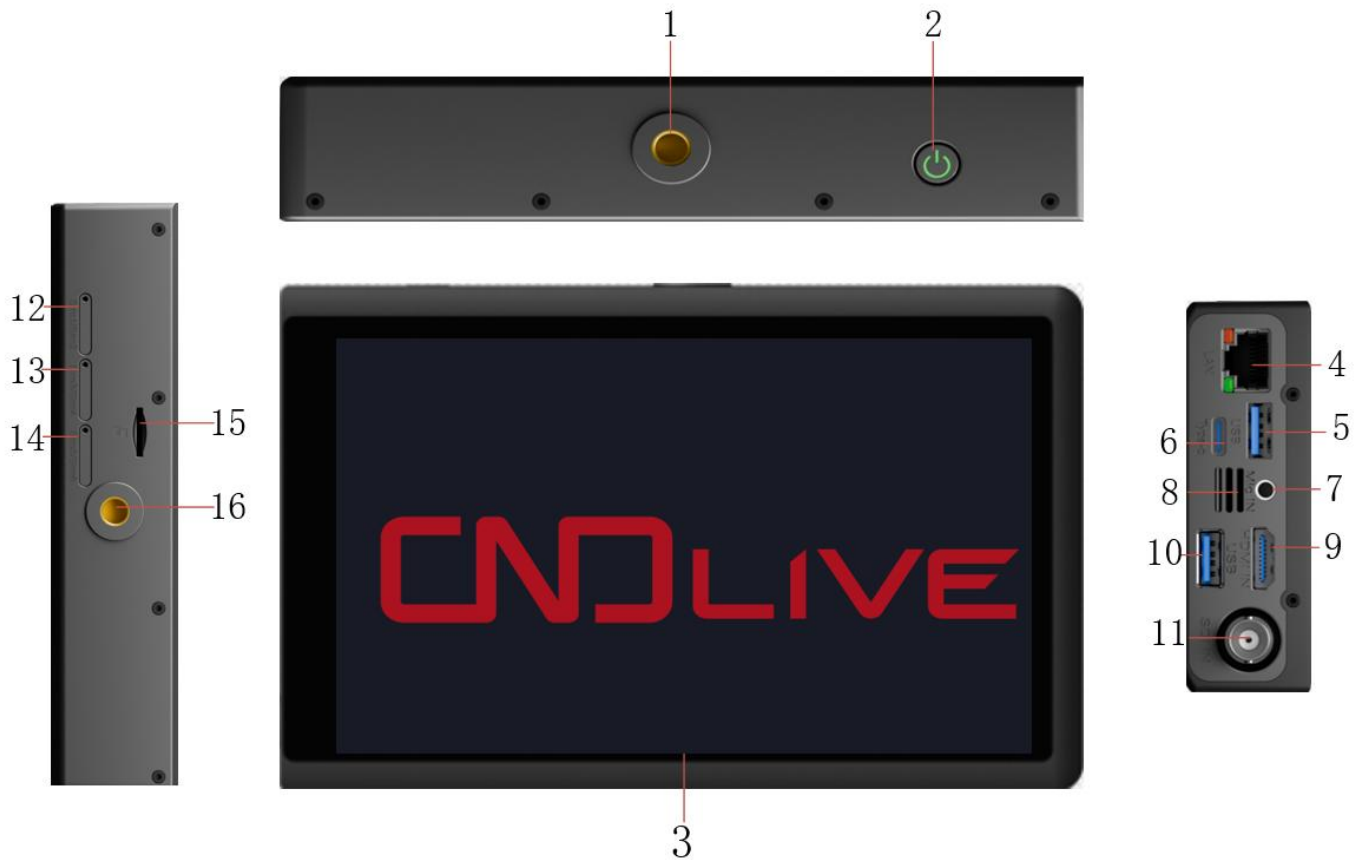## Quick Start Guide

(Version 202408 V1.0)

Thank you for purchasing and using this product. For your personal safety and interests, before using the product, please read this product use guide carefully, and be sure to follow the guidance of this guide or under the guidance of professionals to use the product, so as to avoid permanent damage to the equipment caused by your failure to follow the correct installation, and even threaten personal safety.

This guide is for informational purposes only and does not constitute a commitment of any kind. Including but not limited to color, size, web UI, price, availability and specifications are subject to change without notice.

1 Packing List

1. X1 main unitx1   3. Power adapterx1

2.Warranty Card/Certificate x1   4. Quick User Guide

2 Device interface

1. Threaded Screw Port   2. Power Switch   3. 5.5" Touch Screen

4. 1000M Ethernet port   5. USB-A port   6. Type-C Power Connector

7. MIC IN   8. Cooling Holes   9. HDMI Input

10. USB-A Port   11. SDI Input   12. SIM1/2
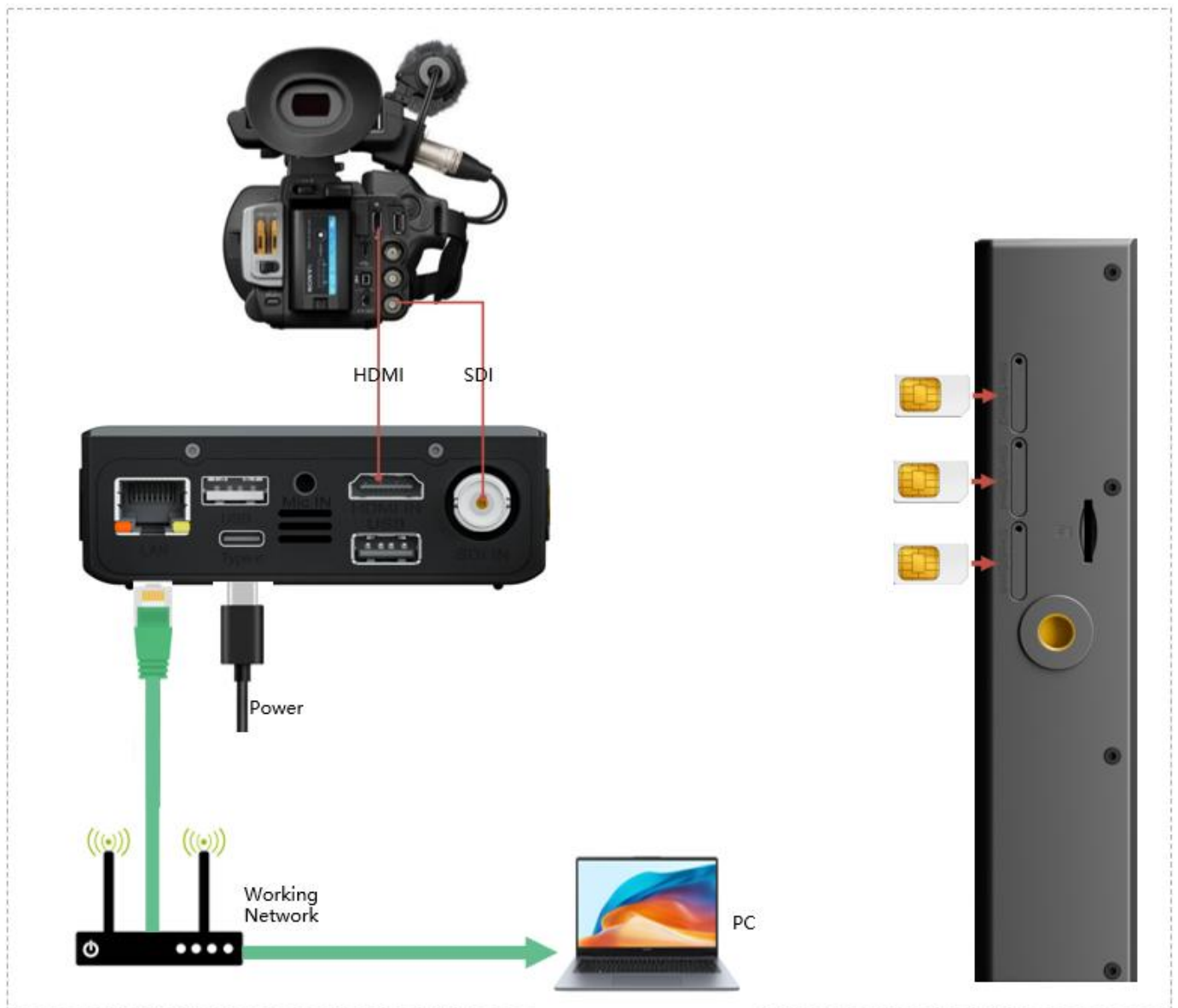
13. SIM3/4   14. SIM5/6   15. Micro SD/TF Card Slot

16. Threaded Screw Port
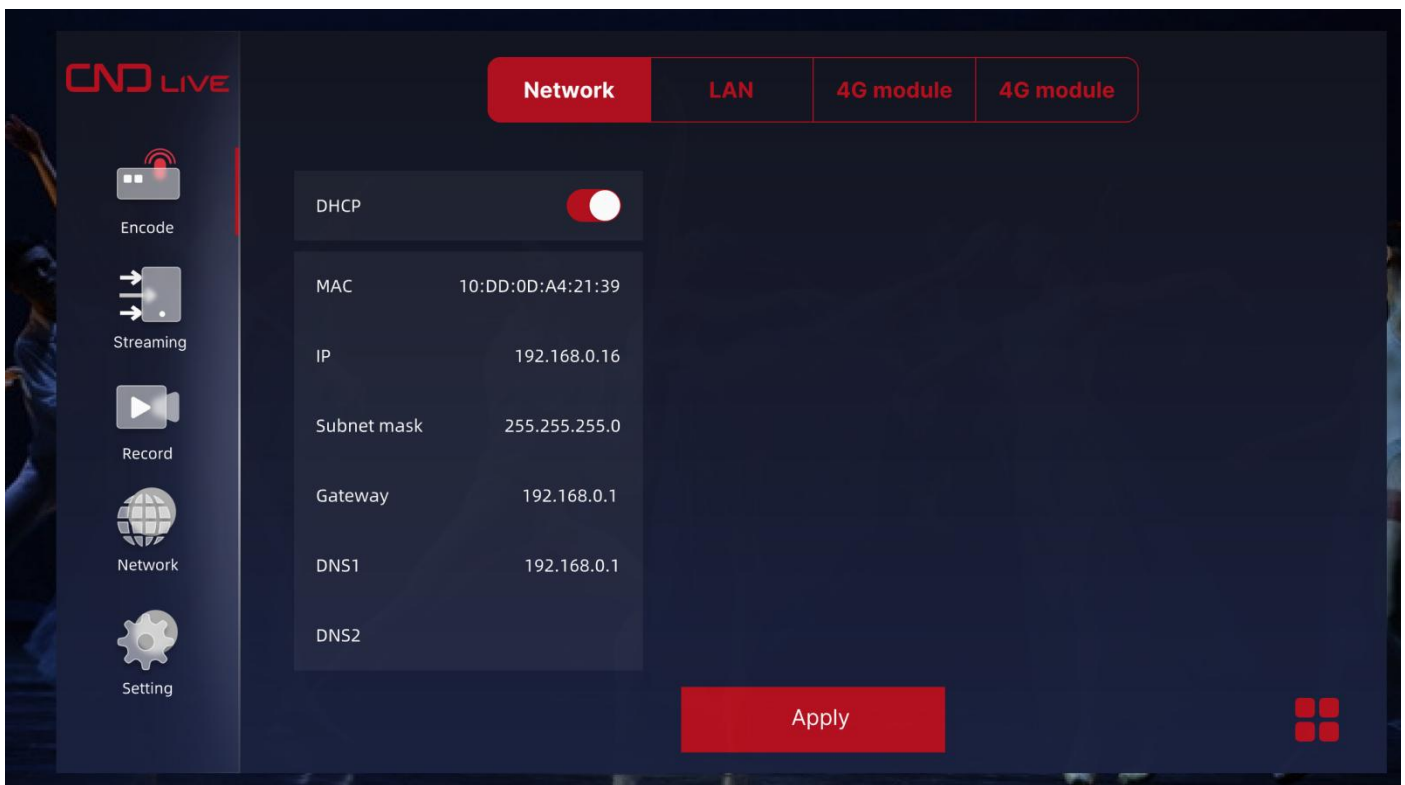
3 Device connection

⚠️ **Note**

● Please use the power adapter carried with the device to power the device, using an unqualified power supply may damage the device;

● HDMI and SDI can be input simultaneously, but only one video source can be encoded at the same time;

● Once the unit is installed, turn the unit on using the on/off button on the panel.
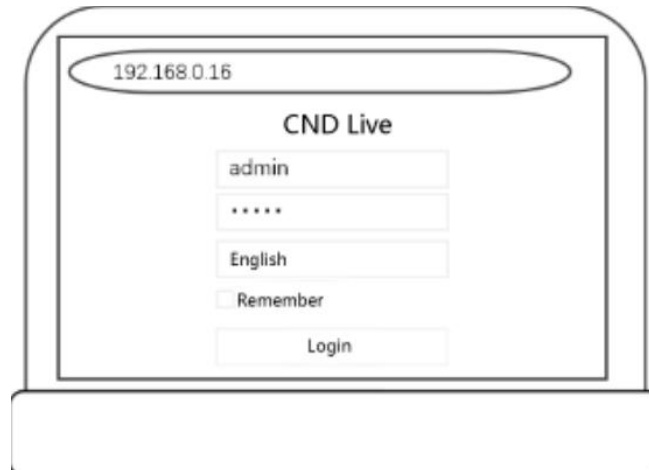
4 Getting Started

4.1 View device IP address

Use the panel LCD screen to view the IP address of the device for the current network (the network needs to ▦ support DHCP to assign an IP address to the encoder at). Click on the menu button in the lower right corner of the LCD screen and then click on the "Network" option on the left side to display the wired network information.
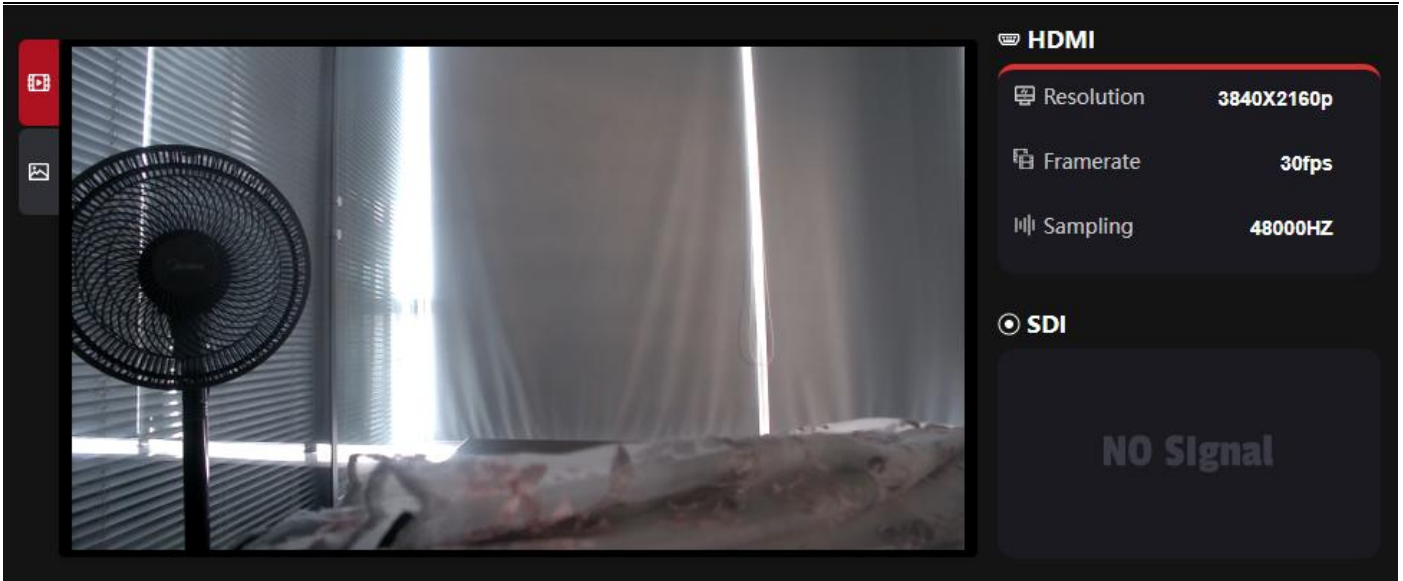
4.2 Login to the WEB page

On the computer connected to the network, open a web browser, enter the IP address that you see on the LCD display in Section 4.1, and press the Enter key. In the login screen that pops up, enter the default user name and password (both: admin) to log in to the Web page.

4.3 Selecting a signal source

The device selects HDMI source code by default, and other source codes can be selected through configuration:

1. Click "Encoding" - "Video Signal" in the menu bar;

2. Drop-down menu to select two different encoding sources, HDMI and SDI

3. After selecting the application, go back to the "Home" page and you can preview the live video of the current encoded source.
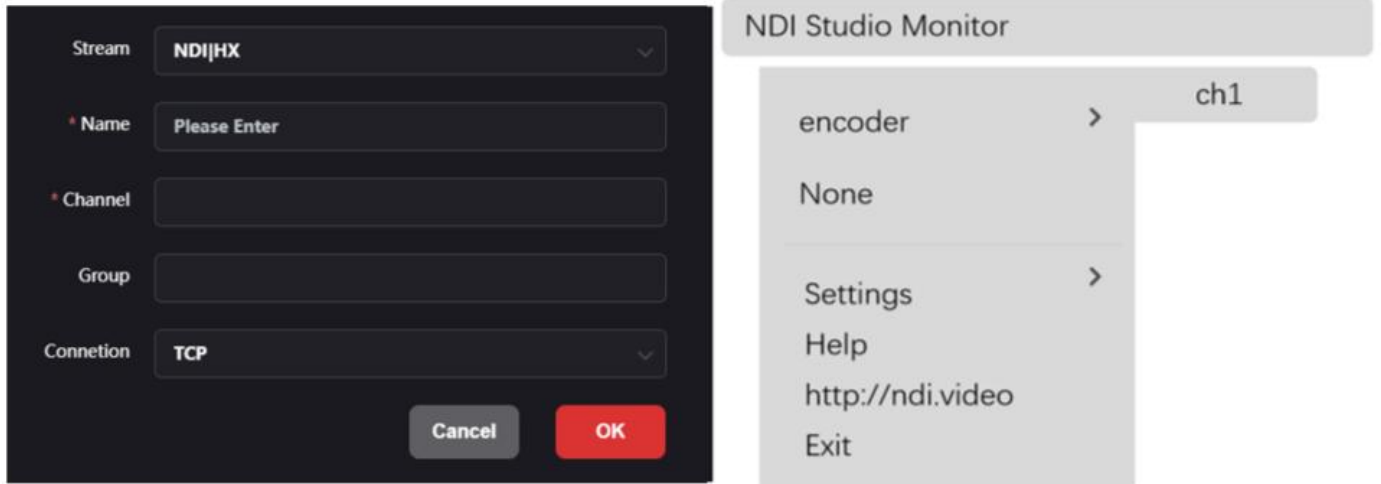
⚠ **Note**

- If the preview still shows a blue screen or an abnormal screen, please check whether the video input source is connected correctly, the video resolution format or replace the cable, etc.
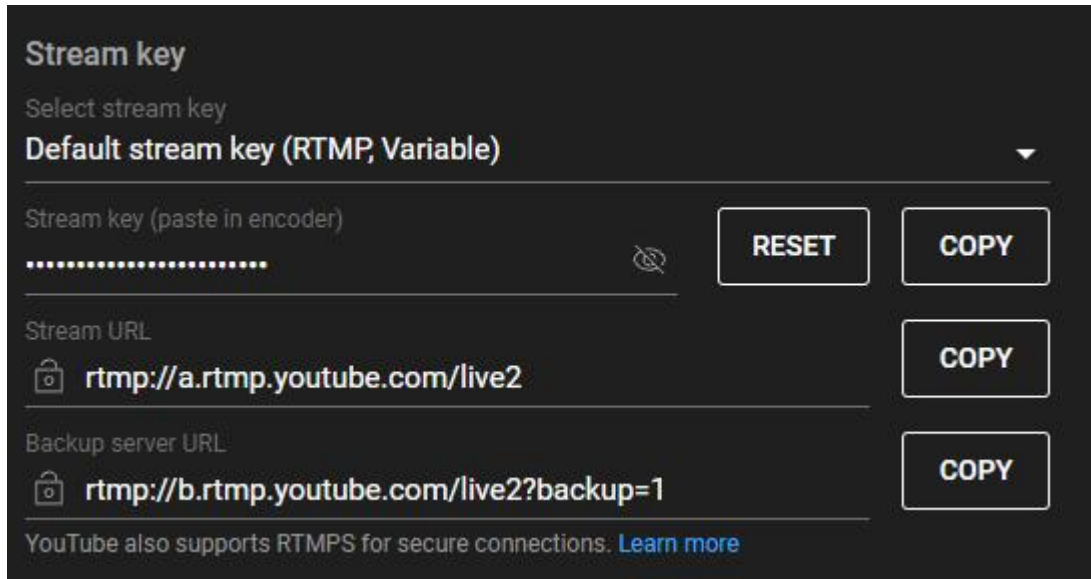
4.4 Add Streaming Service

In the WEB management page, click "Home", click "Add Stream" in the "Stream Service" column on the right side, and select "Add NDI|HX" in the pop-up dialog box.

1. Fill in the name and channel name, the group can be left out, the default is the "public" group;

2. Click "OK" to save.

3. Open "Studio Monitor" in NDI tools and right-click to auto-discover the current encoder name and the configured "Channel Name";

4. Select the corresponding "Channel Name" and "Studio Monitor" automatically plays the received video stream.

4.5 Push Streaming Live (RTMP)

Click "Home" on the dashboard, then "Stream Service" to add streams. Select

RTMP/RTMPS in the popup dialog box.

Take YouTube as an example.

Firstly obtain the RTMP push URL from the platform. Login to YouTube, click "Live Video" to

enter the live room, and click "Use Stream Key" for live broadcast.

Then fill in the URL of live broadcast and Stream Key into the URL address of the RTMP push

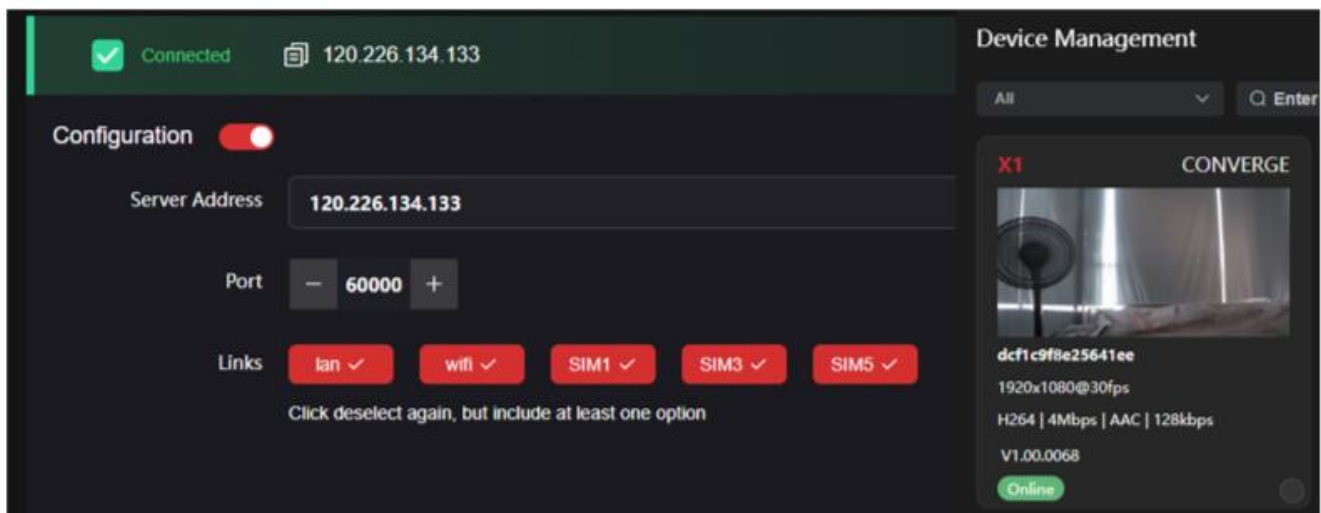point, and start the streaming service.

You will see the video in the live broadcast room at the same time.

⚠️ **Note**

- Different platforms have different ways to get the streaming address, please subject to each platform

  instructions.

- Username and password are not a must. They are required only when the live broadcast room of the

  platform is configured. Most platforms can stream directly by default.

4.5 Connectivity Convergence CNDLive Manager

On the WEB management page, click "Settings", open the "Configuration" switch in the

"Management Platform" column on the left, fill in the server IP of the management platform

in the server address, and then click "Apply" to start connecting to the management

platform. Keep the default settings for server port and data encryption, check the link

interface to be aggregated, click "Apply" to start connecting to the management platform,

and after success, the connection status on the current page will be "Connected", and you

can see the device on the management platform. You can see the device on line then.

⚠ **Note**

- Make sure that the relevant ports are open so that you can connect to the management platform properly;

- Data encryption is not a mandatory option, you can decide whether to turn it on or not depending on your needs, and when it is turned on, it will increase the usage of some system resources;

5 Software upgrade

Click "Upgrade" to enter the upgrade page. Check if the latest software version is higher than the "Current Firmware Version", if the version is the same or lower, then no need to upgrade.

Click "Select File", select the latest firmware version, click "Upgrade", the firmware will start to upload and update. The device will reboot automatically during the update process. After the upgrade is completed, check if the "Current Firmware Version" is the same as the latest version number.

⚠ **Note**

- Do not disconnect the power during the upgrade process, as this may cause the device to fail to boot up;
- The upgrade process takes about 5 minutes, if it is not completed for a long time and the page cannot be accessed by refreshing, please contact the manufacturer's technical support.

6 Restore Factory Settings

When the device does not work properly, or in other cases where you need to restore all device data to the factory settings, you can do so by restoring the factory settings of

the device. There are two ways to restore the factory settings:

Method 1: Restore the factory settings through the LCD panel, click the menu button to display the page, press "Settings" on the left side to enter the "System" page, and then press "Reset" below to confirm the restoration of factory settings. Reset" below to confirm the restoration of factory settings

Method 2: Click "Restore Factory Settings" - "Restore Factory" to complete the restoration through the web management page.

⚠️ **Note**

- After restoring the factory settings, all configurations, passwords, networks, etc. of the device will be restored to their default values, and the device will reboot;

- The default username and password are restored to default (both are admin).

7 Support

If you need more support, please contact the manufacture.

- Website: www.cndlive.com

- Telephone: 86-0755-26888895

- Email: support@cndlive.com