Manuals+ — User Manuals Simplified.

CND LIVE X1 Bonding Encoder User Guide

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CND LIVE X1 Bonding Encoder

Specifications

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- 1000M Ethernet Port
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Device Interface

The device interface includes various ports and features:

- Threaded Screw Port
- Power Switch
- 5.5″ Touch Screen
- 1000M Ethernet Port
- USB-A Port
- Type-C Power Connector
- MIC IN
- Cooling Holes
- HDMI Input
- SDI Input

- SIM Card Slots
- Micro SD/TF Card Slot

Device Connection
Ensure to use the provided power adapter to avoid damaging the device. HDMI and SDI inputs can be used simultaneously, but only one video source can be encoded at a time. Turn on the device using the power switch.

Getting Started

View Device IP Address
View the device's IP address on the LCD screen by accessing the network information through the menu button.

Login to the WEB Page
Access the device's web interface by entering the IP address displayed on the LCD screen and logging in with the default username and password (admin).

Selecting a Signal Source
You can select different encoding sources such as HDMI and SDI through the device's configuration settings.

Add Streaming Service
Add streaming services through the web management page by filling in the required details and saving the settings.

Push Streaming Live (RTMP)
Add RTMP streams for live streaming services like YouTube, by obtaining the RTMP push URL, and starting the streaming service.

Thank you for purchasing and using this product. For your 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, 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.

Packing List

1. X1x1
2. Warranty Card/Certificate x1
3. Quick User Guide
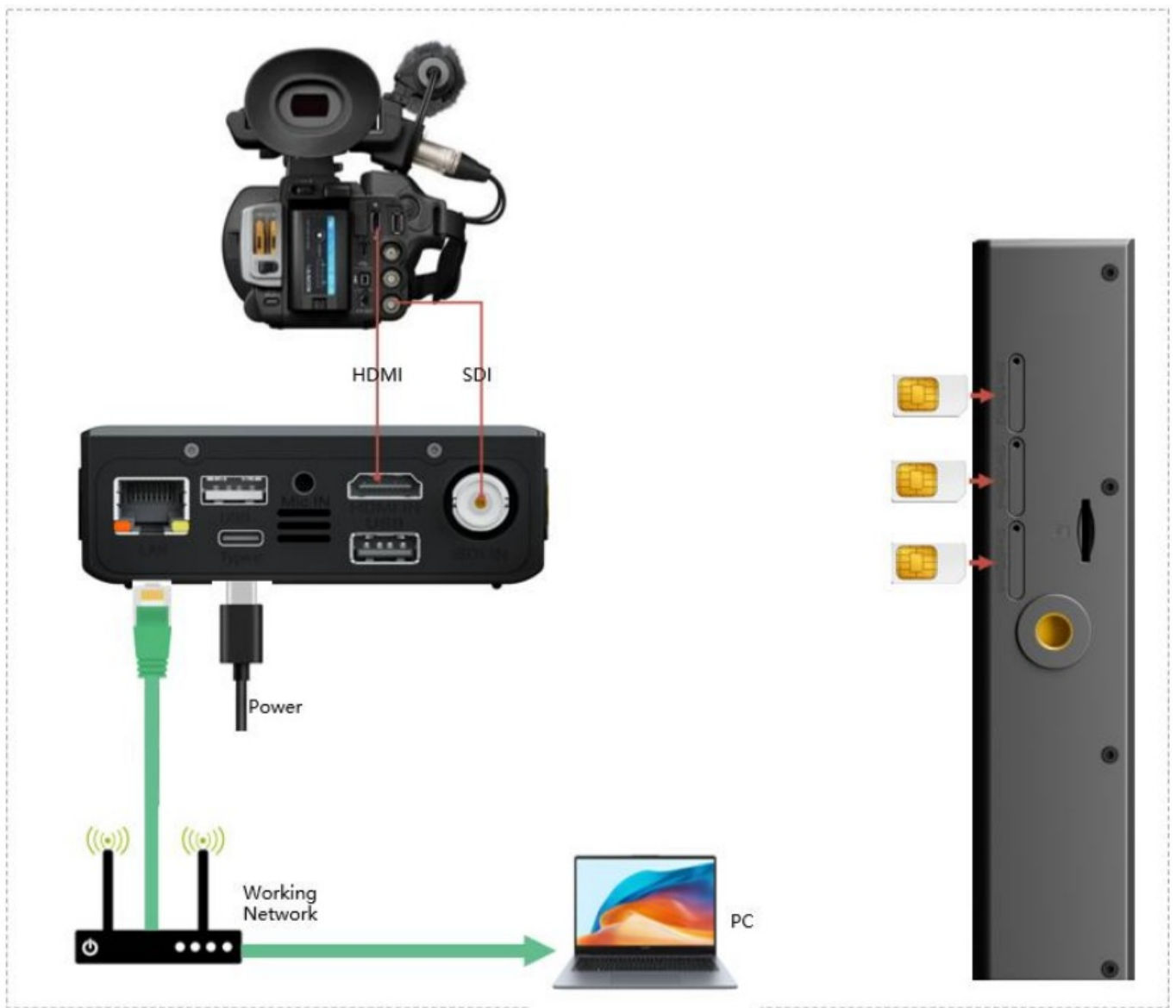4. Power adapterx1

Device interface

3. 5.5" Touch Screen

1. Threaded Screw Port
2. Power Switch

3. 1000M Ethernet port
4. USB-A port
5. Type-C Power Connector
6. MIC IN
7. Cooling Holes
8. HDMI Input
9. USB-A Port
10. SDI Input
11. SIM1/2
12. SIM3/4
13. SIM5/6
14. Micro SD/TF Card Slot
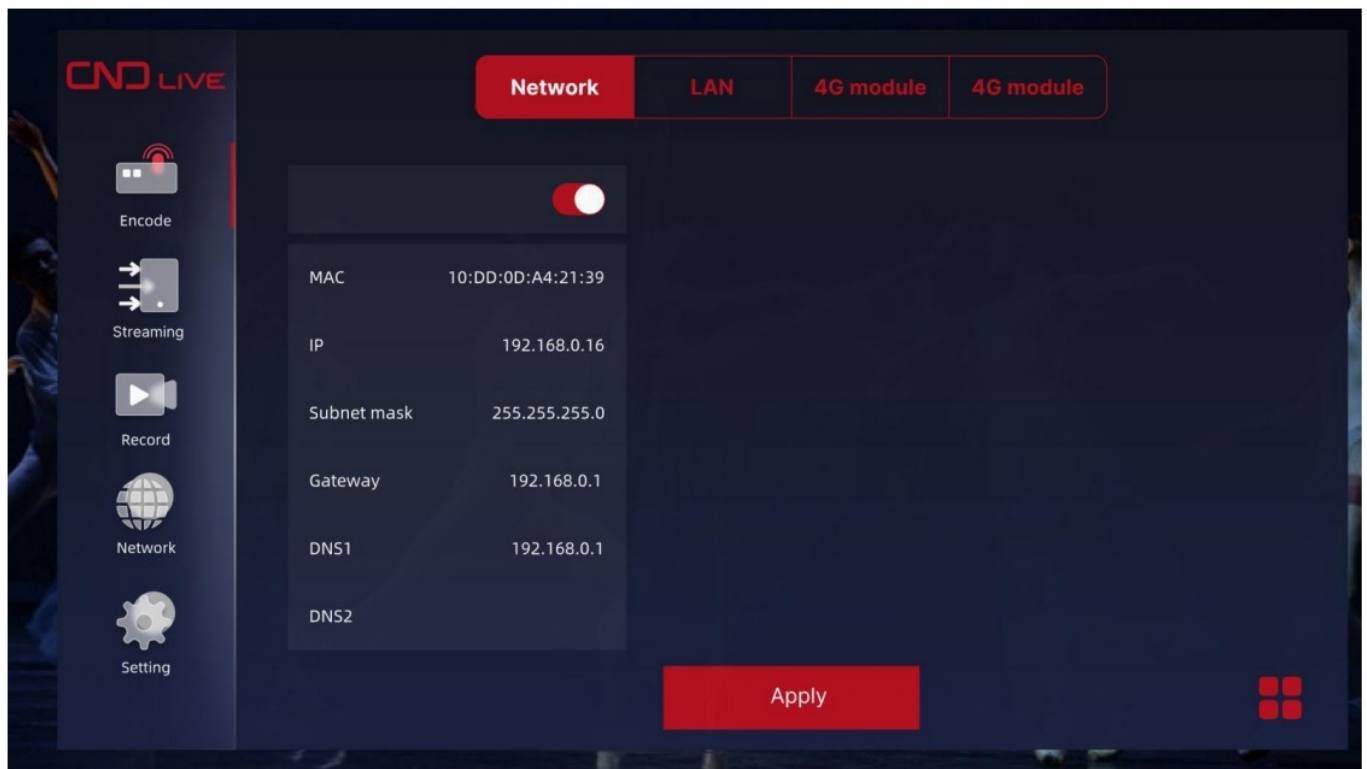15. Threaded Screw Port

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.

View device IP address.s

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 encoded). 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.
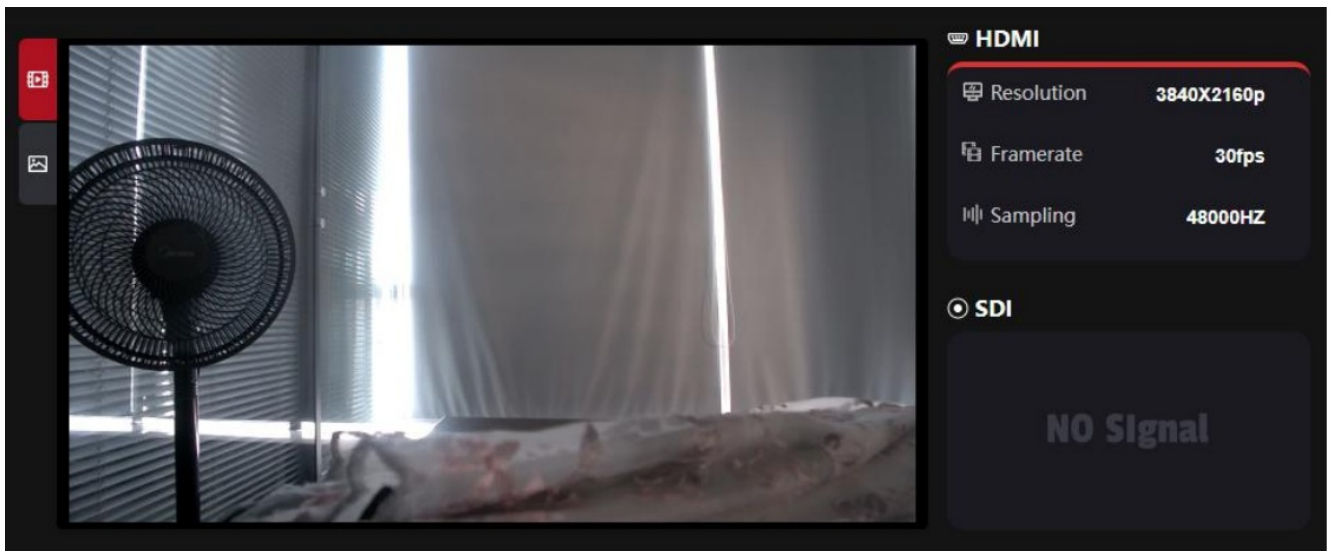
Login to the WEB page

On the computer connected to the network, open a web browser, enter the IP address that you see on the LCD 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.

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.
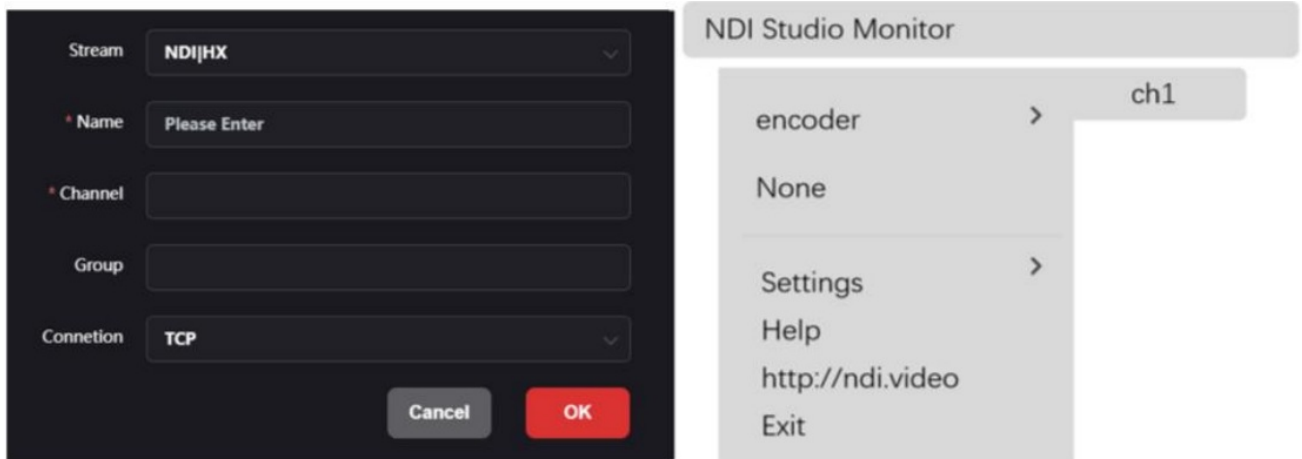
Note

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.

Add Streaming Service

1. Fill in the name and channel name, the group can be left out, the default is th In the WEB management page, click "Home", click "Add Stream" in the "Stream Service" column on the right side, and select "Add X 1 " in the pop-up dialog box.
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.

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 roo and click "Use Stream Key" for the live broadcast. Then fill in the URL of the live broadcast and Stream Key into the URL address of the RTMP push point, and start the streaming service.

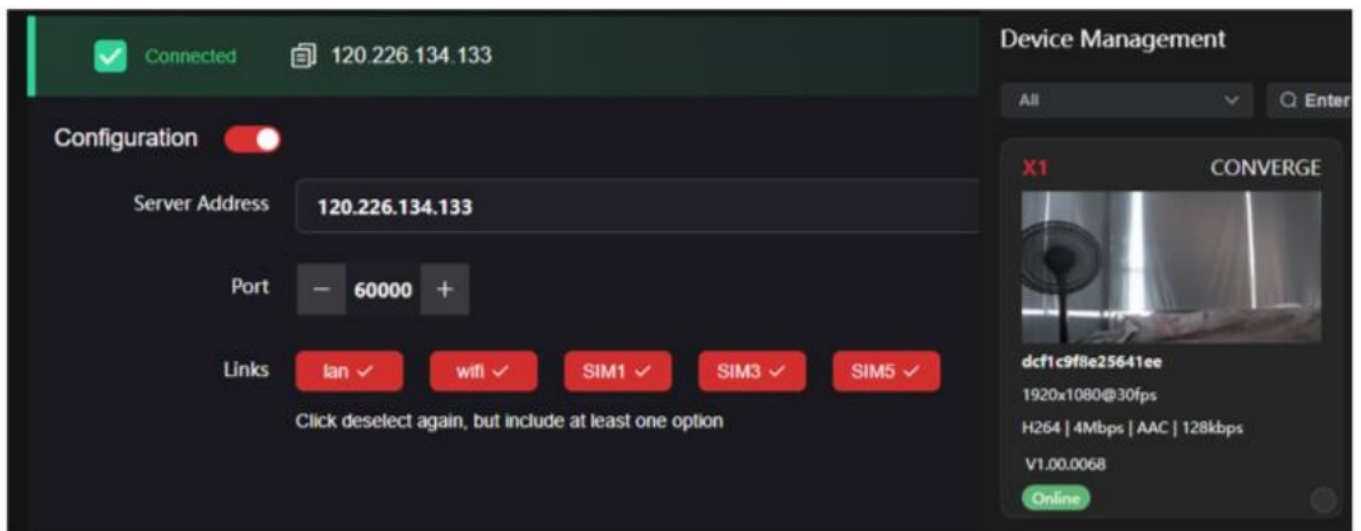You will see the video in the live broadcast room at the same time.

Note

- Different platforms have different ways to get the streaming address, please be subject to each platform's instructions.
- A 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.

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 online 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;

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, cand lick "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.

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).

Support

If you need more support, please contact the manufacturer.

- Website: **www.cndlive.com**
- Telephone: 86-0755-26888895
- Email: **support@cndlive.com**

FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device,undero Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used by the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

Suppose this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. In that case, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment andthe receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with a minimum distance between 20cm of the radiator and your body: Use only the supplied antenna.

Frequently Asked Questions

Q: Can I use both HDMI and SDI inputs simultaneously?
A: Yes, you can use HDMI and SDI inputs simultaneously, but only one video source can be encoded at a time.

Q: What should I do if the preview screen shows a blue or abnormal screen?
A: Check the video input source connection, video resolution format, or replace the cable if needed.

Q: How do I add streaming services for live broadcasting?
A: You can add streaming services through the web management page by following the instructions provided in the user manual.

Documents / Resources

CND LIVE X1 Bonding Encoder [pdf] User Guide
2BE3U-X1, 2BE3UX1, X1 Bonding Encoder, X1, Bonding Encoder, Encoder

References

- 🌐 **home - Streaming the Moment**
- **User Manual**