Leading solution provider of IP-based video transmission

Quick Start Guide

RN-40 Video Codec Card

NDI High Bandwidth

Full Functional Codec Card

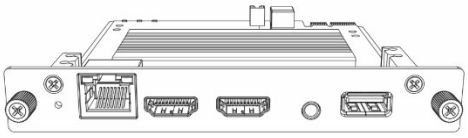
（2022-11 Version）

Contents

- Packing List
- Device interfaces and functions
- Device connection, login and use guide
- Device upgrade and restore to 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

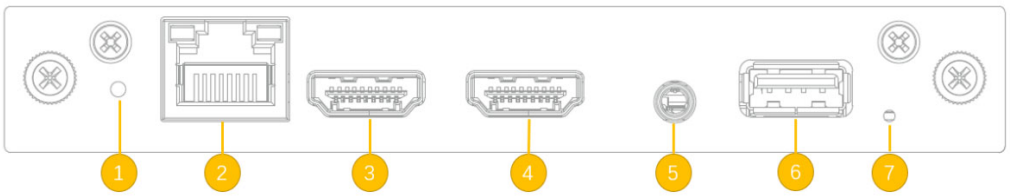


(1) RN-40×1

(2) Warranty Card×1

(3) Quick Start Guide×1

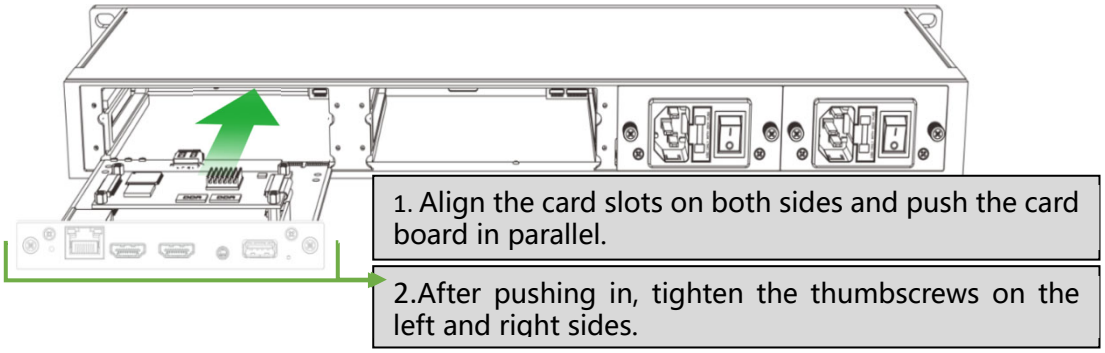
2 Device interface



(1) Reset
(2) 1000M port with PoE
(3) HDMI IN
(4) HDMI OUT
(5) 3.5mm LINE IN/OUT
(6) USB Expansion
(7) Tally

3 RN-40 card installation

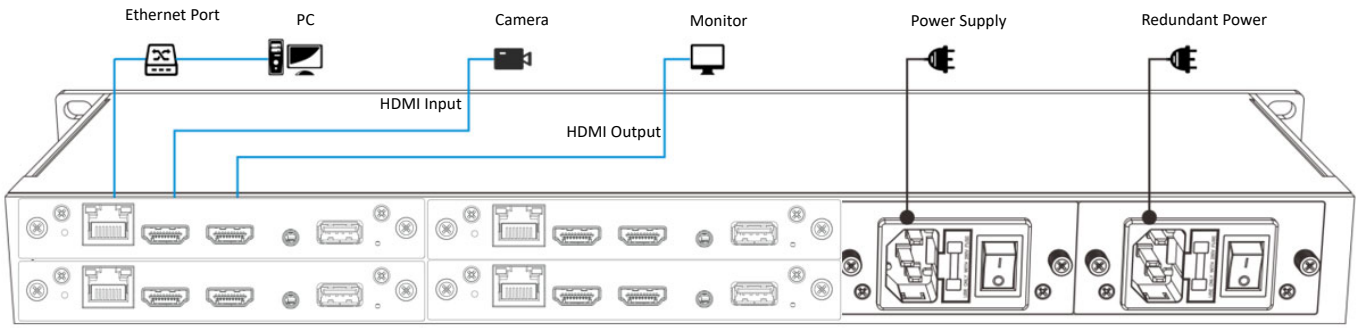
Align the card board assembly with the card slots on both sides, push in parallel and tighten the two left and right thumb screws to complete the installation of the card board. When disassembling, loosen the left and right thumb screws and pull out the card board assembly in parallel.



RN-40 supports 1U and 3U rack-mount installation. For more questions, please visit Kiloview official website:

https://www.kiloview.com/en/support/docs/rack-mount/3u-frame/

4 Applications



Note

- Rack-mounted frame is equipped with dual power supplies, but normally operate only one power input device. When dual power supplies are connected, it will be used as a redundant power supply backup.
- Loop is not a must, you can connect to HDMI OUT when loop out is needed.
- After connecting the power cable, turn it on and off through the corresponding power switch.

5 NDI Discovery

5.1 Install Kiloview Multiview for free

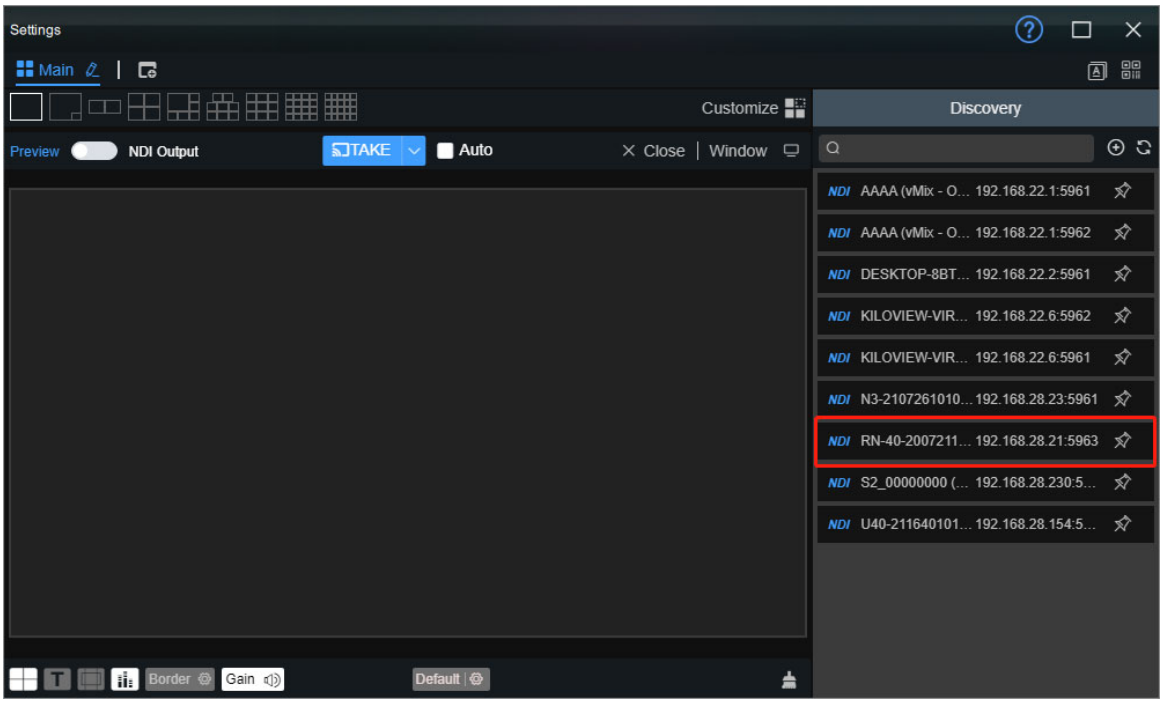
Download Kiloview Multiview for free

Visit website https://www.kiloview.com/en/ndi/multiview

Kiloview Multiview is a free software for NDI video discovery, management and multi-view, which is popular and highly praised all over the world.

1) Start the Kiloview Multiview, open the setting interface

2) Find the device in the device discovery list. Enter management interface through web browsers.



Note

- RN-40 naming rules：RN-40-**<serial number>**，Serial number refers to the numbers pasted on the device label.

Two ways of accessing to the device management page.

- **Method 1**: Drag the device directly in the discovery list to the left window, wait and click the icon ⓔ appeared in the upper right to access Web UI directly
- **Method 2**: Open Web browser, enter: http://device IP address/ (Kindly note the device IP address for RN-40 is showed in the discovery device list.)

5.2 Use Studio Monitor in the NDI SDK Tools

Download NDI SDK Tools

Download and install NDI SDK Tools through NDI official website https://www.ndi.tv/tools/. Kindly follow the NDI official instructions for download method and installation process.

Studio Monitor is one of the NDI SDK Tools for free, which is provided officially by NDI for discovery and monitoring NDI video.

Right click on the Studio Monitor interface, find the name of RN-40 in the pop up menu, click it for playing NDI video. At the same time, a gear icon will appear in the lower right corner, click it and then a browser window will pop up for logging in the accessing the Web UI of RN-40.

Note

● RN-40 naming rules： RN-40-**<serial number>**， Serial number refers to the numbers pasted on the device label.

5.3 Direct visit by default IP

If the RN-40 device cannot be found in the network by the above two methods due to the network conditions, please kindly try to access the device by its default fixed IP address 192.168.1.168. That is to say, enter http://192.168.1.168/ in the browser to visit Web UI.

6 Login to the device Web page

Open a web browser and enter in the address bar: http://device IP address/login to the web UI.

Note

- Default username/password is admin/admin.
- To ensure your information security, it is recommended to change your password immediately after logging in for the first time!
- For the first login or upgrading the firmware, you need to accept the End User License Agreement (EULA). Please read carefully.
- Due to the browser compatibility issues, it is recommended to use Chrome or Edge.

7 Work with your device

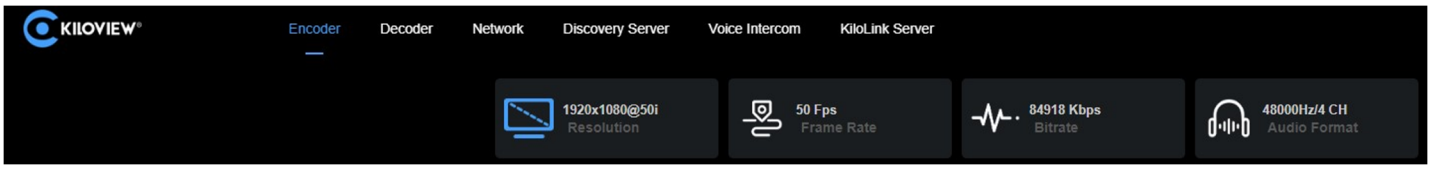
Note

RN-40 could only work in either encoding mode or decoding mode currently, but you can switch freely between both.

7.1 Encoding mode

The device works under “encoding mode” by default. There are icons for switching between encoding mode and decoding mode on the left of the RN-40 Web page. When the device works under other mode, click icon

“encoder” to switch back to encoding mode.

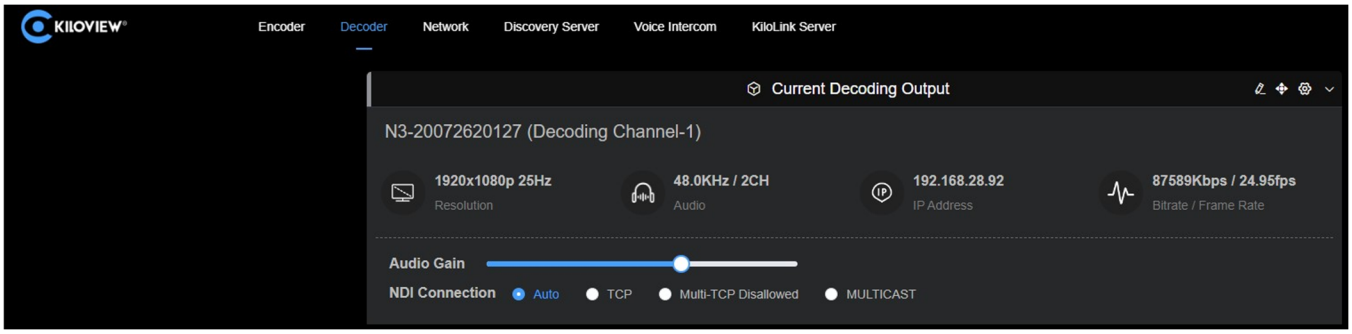


For more configurations for RN-40, please visit Kiloview official website:

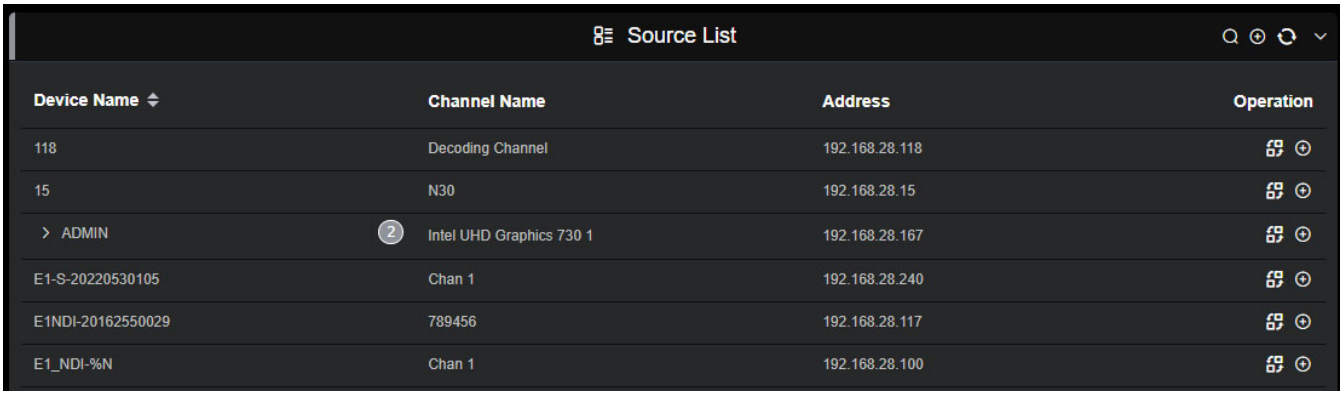
https://www.kiloview.com/en/support/docs/RN-40/

7.2 Decoding mode

There are icons for switching between encoding mode and decoding mode on the left of the RN-40 Web page. Click icon “decoder” to switch back to decoding mode.



When working under decoding mode, NDI source can be auto discovered and displayed in the bottom of decoding Web page. Click the NDI source corresponded icon , which can directly decode and output the video.



Click ⊕ in the right of NDI source, you can add the resource to the preset list. There are 9 presets, you can keep nine preset decoding sources in the preset list, thus you can quickly switch and decode by clicking different NDI sources from number 1 to 9 at any time.

For more configuration and help of RN-40, please visit Kiloview official website:
https://www.kiloview.com/cen/support/docs/RN-40/

8 Firmware upgrading

8.1 Download the upgrading firmware

Kiloview will continue to provide the firmware of upgrading functions and fix bugs for RN-40. Kindly visit:

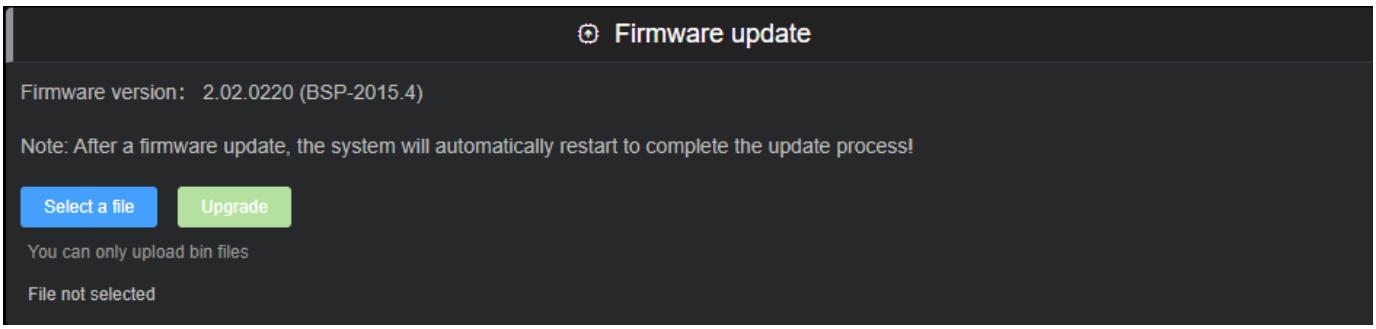
https://www.kiloview.com/en/support/download/

Select “NDI” in the filter list > “RN-40”, find the latest firmware to download.

8.2 Upgrade device firmware

Login to the Web page of RN-40, click "Settings">"Firmware Upgrade" to check if there is any latest firmware available to download. If yes, select the downloaded firmware and click “Firmware Upgrade”.

After uploaded the firmware successfully, the system indicates rebooting the device, you can either click “ok” or wait for automatically rebooting, please be patient.



Note

- Please not power off during the upgrade process, otherwise the device couldn't work.
- Generally, this process can 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 IP configuration, please restore factory settings.

Two Easy Methods:
1) If you can login to webpage, click "Settings>System settings>Restore factory settings" on the webpage.
2) If you cannot login to webpage, 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 password will be restored to "admin".
- Your device will be restored to obtain a DHCP-assigned IP address by default and the failover address 192.168.1.168 will be bound to the device.
- All encoding decoding parameters of video and audio will be restored to default value.

10 Note

To prolong the device life, please unplug the power and keep it properly if you don’t 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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