

快速入门手册

N40 Plus视频编解码器

NDI High Bandwidth全能编解码器

(V1.0)



通过本手册，您可以了解到

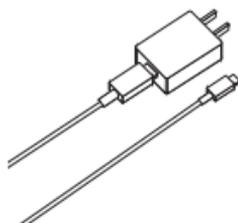
- 装箱清单
- 设备接口
- 设备连接、登录和基本应用
- 设备升级和恢复出厂设置

在您正式使用本产品之前，建议您仔细阅读本产品使用说明书。为确保您的人身安全及避免设备受到物理或电气损伤，请严格遵照本说明书的指导或在专业人员指导下进行安装使用本产品。不正确的电气连接或物理安装方式将有可能造成设备的永久损伤，甚至威胁人身安全。

1 设备清单



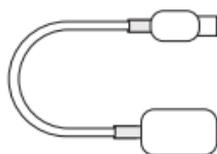
(1) 主机×1



(2) 电源适配器×1



(3) 冷靴×1



(4) Type-C转USB母口×1

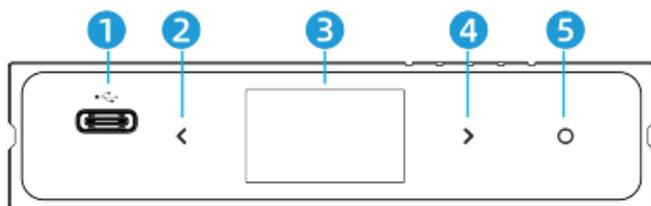


(5) 合格证/保修卡×1

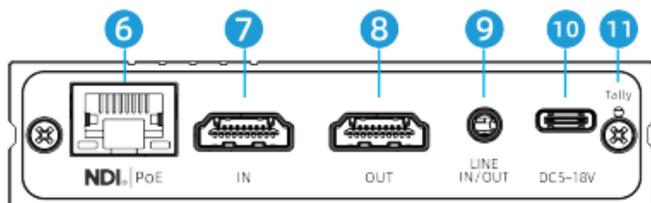


(6) 《快速入门》手册×1

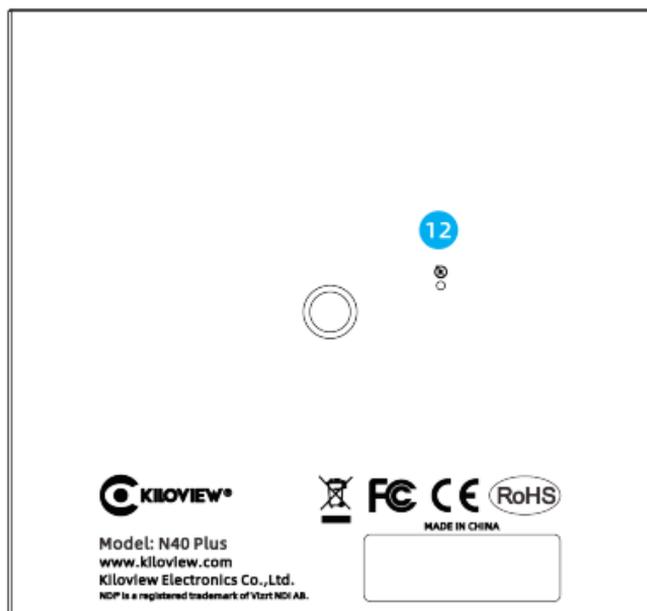
2 设备接口



正面



背面



底部

- | | |
|---------------------|-------------|
| (1) TYPE-C接口 | (7) HDMI输入 |
| (2) “<” 键 | (8) HDMI输出 |
| (3) 屏幕 | (9) 音频接口 |
| (4) “>” 键 | (10) 电源接口 |
| (5) 确认键 | (11) Tally灯 |
| (6) 1GbE以太网口（支持PoE） | (12) 复位孔 |

3 设备指示灯

编码模式下用于指示当前视频的状态	
Tally	绿色常亮 指示当前视频处于PVW预监状态
	红色常亮 指示当前视频处于PGM输出状态

4 显示屏和触摸按钮

设备在正面面板上提供了彩色 LCD 显示屏和触摸按钮。

在显示屏上，您可以便捷地查看设备状态、获取配置参数、以及进行工作模式切换、IP 地址配置之类的快捷操作。LCD 显示屏同时也是 Tally 状态显示器。

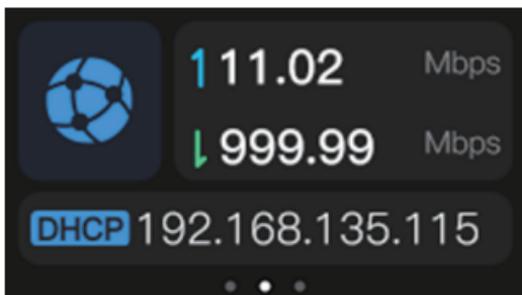
通过点击触摸按钮“<”“>”可进行显示模块的切换，按下“○”表示“确定”，可进入当前显示模块，查看详细信息、修改基本配置参数或者修改设备的编解码工作模式等。更加详细的操作步骤，请见用户手册。示例图：



5 发现设备

5.1 查看IP地址

在LCD显示屏上，您可以通过点击触摸按钮“<”“>”切换到网络状态页，查看设备的IP地址、设备当前的网络状态、实时网络上下行速率等网络信息。



5.2 使用NDI SDK Tools中的Studio Monitor

在 Studio Monitor 界面的操作菜单中，首先找到设备名称并点击，以播放 NDI 视频。当 Studio Monitor 播放设备编码视频时，右下角会出现一个

“”图标。点击该图标后，会弹出浏览器窗口，通过此窗口可以登录访问 N40 Plus 的 Web 管理界面。



下载 NDI SDK Tools 工具

通过 NDI 官方地址 <https://www.ndi.tv/tools/> 下载并安装 NDI SDK Tools。下载的方法 / 安装的过程请遵照 NDI 官方的指引。

Studio Monitor 是 NDI SDK Tools 中的一个工具，是 NDI 官方提供的用于发现、监看 NDI 视频的免费工具。

5.3 默认IP地址连接

如果因网络环境的原因，无法通过上述两种方法在网络中找到设备，请尝试通过设备缺省的固定IP地址192.168.1.168来访问设备。您需要将您的计算机网络配置到192.168.1.XXX网段，然后在浏览器中打开 <http://192.168.1.168/> 访问Web管理页面。

6 登录设备管理页面

在获取设备的 IP 地址后，打开 Web 浏览器并在地址栏输入 <https://设备IP地址/>，以登录设备后台。



注意

- 默认登录用户名是 **admin**，默认密码是 **admin**。
- 为保证信息安全，初次登录须立即修改密码！
- 建议使用 Windows 操作系统的 Google Chrome 或者 Edge 浏览器升级。

7 使用设备进行工作

7.1 编码模式

设备默认工作在“编码器模式”。在Web管理界面，可进行编码器/解码器两种模式切换。当设备处于其它工作模式时，点击“编码”可以切换为“编码器模式”



7.2 解码模式

在Web管理界面，可进行编码器/解码器两种模式切换。点击“解码”可以切换到“解码器模式”。



设备处于解码器工作模式时，将自动搜索网络中的NDI源，并显示于解码管理界面的下方。找到要解码显示的NDI源，点击其右边的“🔍”图标，即可解码输出。

扫描列表				🔍	⊕	🔄
设备名称	NDI通道名称	地址	操作			
N3-20072610490	Channel-1	192.168.2.250	🔍	⊕		
N30-20072610490	Channel-1	192.168.4.177	🔍	⊕		

可以点击NDI源右边的“⊕”图标，将源添加到预置列表（Preset）中。本设备提供9个Preset位置，允许您将常用的NDI源保存在Preset列表中。这样，您可以在任何时候快速地选择1-9号Preset，切换解码输出。

 **注意**

● 设备目前只能工作在“编码器模式”或者“解码器模式”二者之一。但您可以在二者之间任意切换。

8 固件升级

8.1 下载升级固件



Kiloview 将持续为 N40 Plus 设备提供更新功能、修复 Bug 的固件。访问：

<https://www.kiloview.com/cn/support/download/> 在筛选列表中，选择“NDI”>“N40 Plus”，并在“程序”标签中找到最新的固件下载。

8.2 升级设备固件

登录 N40 Plus 管理后台，点击“系统设置”>“固件升级”，进入固件升级页面。若要升级，上传官网下载的固件文件，然后点击“固件升级”。上传固件成功后，系统将提示您重启，请点击确认；系统重启时请耐心等待。

固件升级

当前固件版本： 1.01.0016

当前软件版本： 1.80.2045

请注意：固件成功上传后，系统会自动重启完成升级！

选择文件

升级

只能上传bin文件

注意

- 升级过程中，请勿断电，否则可能导致设备无法启动。
 - 一般来说，升级的过程大约需要 2-3 分钟。如果超过 5 分钟升级仍未提示完成，请尝试刷新网页；如果仍然无法正常访问，请尝试联系技术支持。
-

9 恢复出厂设置

当设备参数配置不当导致设备不能正常工作时可以尝试恢复设备的出厂设置。恢复出厂设置有两种方法：

方法一：当设备能正常登录 Web 管理页面时，通过 Web 界面的“设置”>“系统设置”>“恢复出厂设置”。

方法二：当设备不能正常登录 Web 管理页面时，按住设备底部的复位按钮，持续 5 秒以上。

注意：恢复出厂设置后，以下参数将会改变至默认值

- 登录用户 admin 的密码将恢复为 admin；
 - 您的设备将恢复至默认使用的 DHCP 动态获取 IP 地址的模式；
 - 所有视频编码 / 解码参数、音频参数等将恢复到出厂的默认值。
-

10 其它

如设备长期不使用，为延长设备使用寿命，请拔掉电源，妥善保管设备。



获取更多关于 N40 Plus 编码器的使用帮助请访问
Kiloview 官方网站地址

<https://www.kiloview.com/>

Quick Start Guide

N40 Plus Video Converter

NDI High Bandwidth All-in-One Converter

(Version 1.0)



Through this manual, you will learn about:

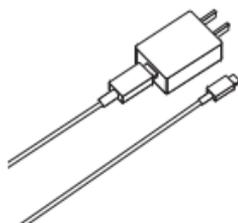
- Packing list
- Device interfaces
- Device connection, login, and basic applications
- Device upgrades and factory reset

Before using this product, we recommend carefully reading the user manual. To ensure your personal safety and prevent physical or electrical damage to the device, please strictly follow the guidance provided in this manual or consult a professional for installation and use. Improper electrical connections or physical installation may result in permanent damage to the device and even pose safety risks.

1 Packing List



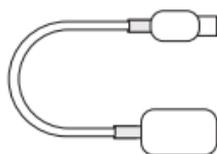
(1) Host×1



(2) Power Adapter×1



(3) Cold shoe×1



(4) TYPE-C Convert USB×1

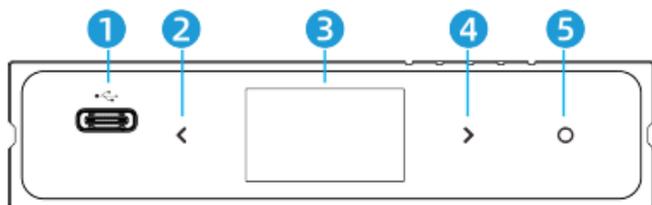


(5) Warranty Card×1

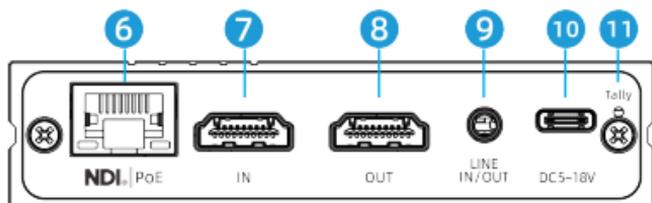


(6) Quick Start Guide ×1

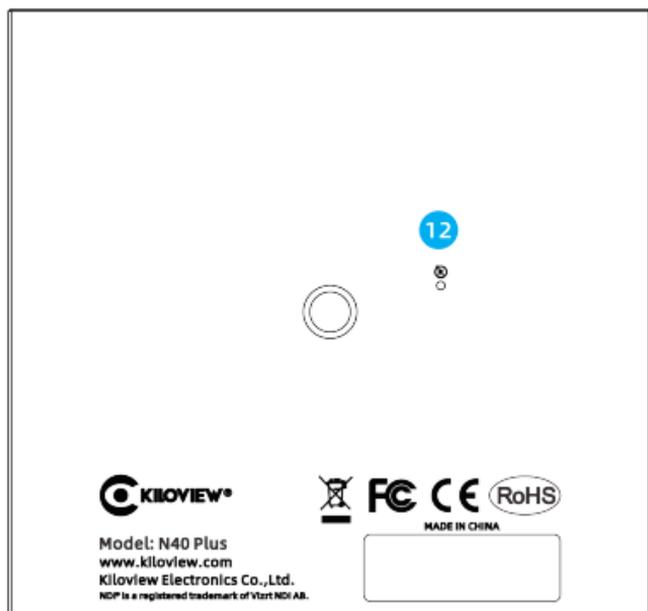
2 Device Interface



Front



Back



Bottom

- | | |
|----------------------|---------------------|
| (1) TYPE-C | (7) HDMI Input |
| (2) “<” Button | (8) HDMI Output |
| (3) Display Screen | (9) Audio Interface |
| (4) “>” Button | (10) Power |
| (5) Confirm Button | (11) Tally Light |
| (6) 1G Ethernet(PoE) | (12) Reset Hole |

3 Device Indicator Lights

Used to indicate the current video status in encoding mode	
Tally	Solid Green Indicates the current video is in the PVW (Preview) state.
	Solid Red Indicates the current video is in the PGM (Program) output state.

4 Display Screen and Touch Buttons

The device features a color LCD display and touch buttons on the front panel. On the display, you can conveniently view the device status, access configuration parameters, and perform quick operations such as switching working modes and configuring the IP address. The LCD display also serves as a large Tally status indicator.

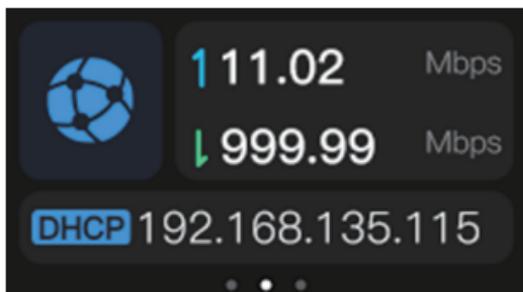
By tapping the touch buttons “<” “>”, you can switch between display modules. Pressing the button “○” indicates “Confirm” and allows you to enter the current display module to view detailed information, modify basic configuration parameters, or change the device’s encoding/decoding working mode. For more detailed operational steps, please refer to the user manual:



5 Device Discovery

5.1 View IP Address

On the LCD display, you can switch to the network status page by tapping the touch buttons “<” “>” to view the device’s IP address, current network status, real-time network upload and download speeds, and other network information.



5.2 Use Studio Monitor from NDI SDK Tools

In the Studio Monitor interface, navigate to the operation menu, locate the device name, and click on it to play the NDI video. When Studio Monitor is playing the encoded video from the device, a

“” icon will appear in the lower right corner. Clicking on this icon will open a browser window, allowing you to log in and access the Web Management Interface of the N40 Plus.



Download NDI SDK Tools

Download and install NDI SDK Tools from the official NDI website: <https://www.ndi.tv/tools/>. Please follow the official NDI instructions for the download and installation process.

Studio Monitor is a tool within NDI SDK Tools and is a free tool provided by NDI for discovering and monitoring NDI video.

5.3 Default IP Address Connection

If you are unable to find the device on the network using the methods mentioned above due to network environment issues, please try accessing the device using its default static IP address: 192.168.1.168.

You will need to configure your computer's network settings to the 192.168.1.XXX subnet, and then open a browser and go to <https://DeviceIPAddress/> to access the web management page.



Note

● **Device Naming Convention:** N40 Plus, where is a string of numbers found on the label attached to the device.

6 Log In to the Device Management Page

Once you have obtained the device's IP address, open a web browser and enter https:// in the address bar to log in to the device's management interface.



Note

- The default login username is admin, and the default password is admin.
- To ensure information security, you must change the password immediately after your first login!
- It is recommended to use the latest version of Google Chrome or Edge browser on Windows operating systems.

7 Device use

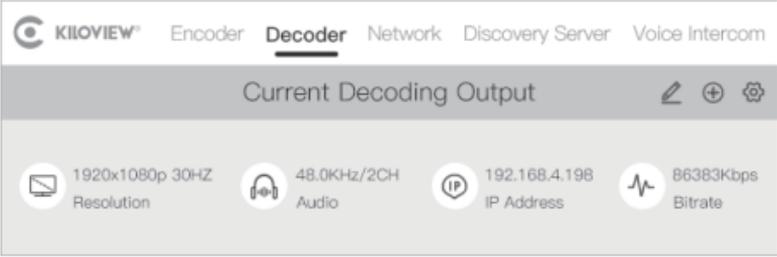
7.1 Encoder Mode

The device operates in “Encoder Mode” by default. On the left side of the web management interface, there are icons to switch between Encoder and Decoder modes. When the device is in another working mode, clicking the “Encode” icon will switch it back to “Encoder Mode.”

 KILOVIEW®	Encoder	Decoder	Network	Discovery Server	Voice Intercom
 1920x1080p 30HZ Resolution	 60 Fps Frame Rate	 86383Kbps Bitrate	 48.0KHz/2CH Audio Format		
Basic Settings					

7.2 Decoder Mode

At the top of the web management interface, there are icons to switch between Encoder and Decoder modes. Clicking the “Decode” icon will switch to “Decoder Mode.”



The screenshot shows the KiloView web management interface. At the top, there are navigation tabs: Encoder, **Decoder** (selected), Network, Discovery Server, and Voice Intercom. Below the tabs is a header for "Current Decoding Output" with edit, add, and settings icons. The main content area displays four key metrics:

- Resolution: 1920x1080p 30Hz
- Audio: 48.0KHz/2CH
- IP Address: 192.168.4.198
- Bitrate: 86383Kbps

When the device is in Decoder Mode, it will automatically search for NDI sources on the network and display them at the bottom of the decoding management interface. To decode and display a specific NDI source, click the icon “” to the right of that source.

Source List				  
Device Name	Channel Name	Address	Operation	
N3-20072610490	Channel-1	192.168.2.250	 	
N30-20072610490	Channel-1	192.168.4.177	 	
N4-20072610490	Channel-1	192.168.4.198	 	

Note

● The device can currently operate in either “Encoder Mode” or “Decoder Mode,” but you can switch between the two modes at any time.

You can click the “⊕” icon to the right of the NDI source to add it to the Preset list. This device provides 9 preset locations, allowing you to save frequently used NDI sources in the Preset list. This way, you can quickly select presets 1-9 at any time to switch the decoding output.

8 Firmware Update

8.1 Download Firmware



Kiloview will continue to provide firmware updates for the N40 Plus device, including new features and bug fixes. To access the latest firmware, visit:

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

In the filter list, select “NDI” > “N40 Plus” , and find the latest firmware download under the “Program” tab.

8.2 Upgrade Device Firmware

Log in to the N40 Plus management interface, then click “**System Settings**” > “**Firmware Upgrade**” to access the firmware upgrade page. Check if the downloaded latest firmware version is higher than the current firmware version; if the versions are the same or lower, an upgrade is not necessary.

To upgrade, upload the firmware file downloaded from the official website, then click “**Firmware Upgrade.**” Typically, after successfully uploading the firmware, the system will prompt you to restart. If

confirmation is needed, click **Confirm**; if it automatically restarts, please wait patiently.

Firmware update

Current firmware version: 1.01.0016
Current software version: 1.80.2045
Note: After a firmware update, the system will automatically restart to complete the update process!

Select a fileUpgrade

You can only upload bin files



Note

- During the upgrade process, do not power off the device, as this may prevent it from starting up.
- Generally, the upgrade process takes about 2-3 minutes. If it takes longer than 5 minutes without a completion prompt, try refreshing the webpage. If you still cannot access it normally, please contact technical support.

9 Restore Factory Settings

If the device cannot operate normally due to incorrect configuration of parameters, or if you forget the network IP configuration and cannot locate the device, you can try restoring the device to factory settings.

There are two methods to restore factory settings:

Method 1: When the device can log in to the web management interface, navigate to **“Settings” > “System Settings” > “Restore Factory Settings”** in the web interface.

Method 2: When the device cannot log in to the web management interface, press and hold the reset button at the bottom of the device for more than 5 seconds.



Note: After restoring factory settings, the following parameters will revert to their default values

- The password for the login user admin will be restored to admin.
 - The device will revert to the default mode of obtaining an IP address dynamically via DHCP.
 - All video encoding/decoding parameters, audio parameters, and other settings will be reset to factory default values.
-

10 Others

If the device will not be used for an extended period, please unplug the power supply and store the device properly to extend its lifespan.



For more information and assistance regarding the use of the N40 Plus, please visit the Kiloview official website at:

<https://www.kiloview.com/>
