

Quick Start Guide

S2 Video Encoder

H.265/H.264-HD/4K

(2021-8 version)

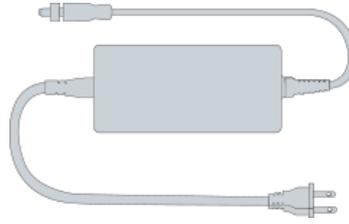


Before using this product, it is recommended that you read the guide carefully. To ensure your personal safety and avoid physical or electrical damage to the device, please strictly follow the instructions of this guide to install and use it under the guidance of professionals. Incorrect electrical connections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

1 Packing List



(1) S2×1



(2) Power supply×1

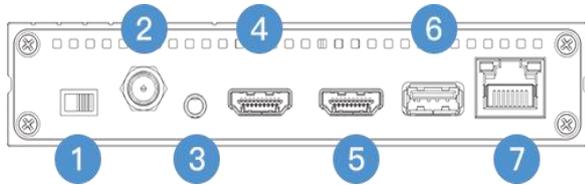


(3) Warranty card×1



(4) Quick start guide×1

2. Device Interface



(1) Power Switch

(2) Power Port

(3) 3.5mm Line in/Line out

(4) HDMI Loop

(5) HDMI Input

(6) USB Port

(7) 1 GbE port with PoE

(8) Tally

(9) Status Indicator

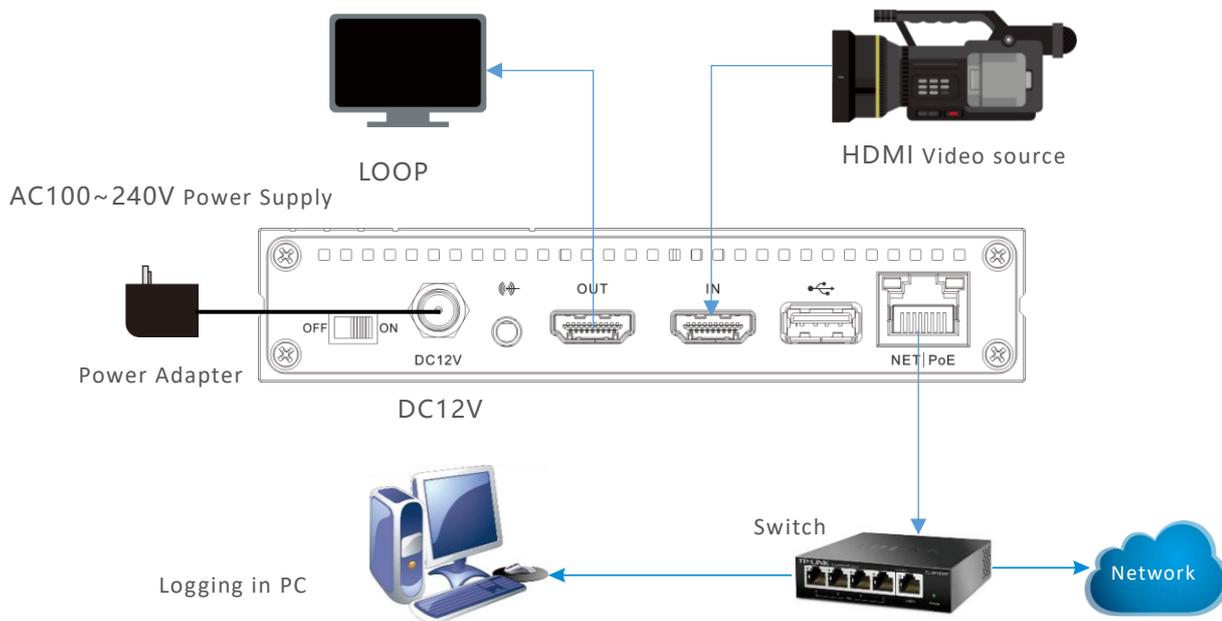


(10) Reset (bottom)

3. Device Indicators

Tally	Video status under encoding mode			
	Green light always on	PVW		
	Red light always on	PGM		
LED Indicators	Name	Color	Status	Description
	Power	White	Always on	Power connected
			Off	Power off or failure
	LINK	White	Flashing	Network connected
			Off	Network disconnected/abnormal
	Run	White	Flashing	Working normally
			Always on	Starting to work
			Off	Working abnormal/not start

4. Applications



Note:

- Please use the standard power adapter equipped in the package. Likewise, other unqualified power adaptor may damage the device.
- Please make sure the camera is connected to the HDMI IN connector.
- If you wish, you can connect S2 to your monitor for real time preview by HDMI OUT.

5. Device discovery

5.1 Install Kiloview Multiview NDI Player for free

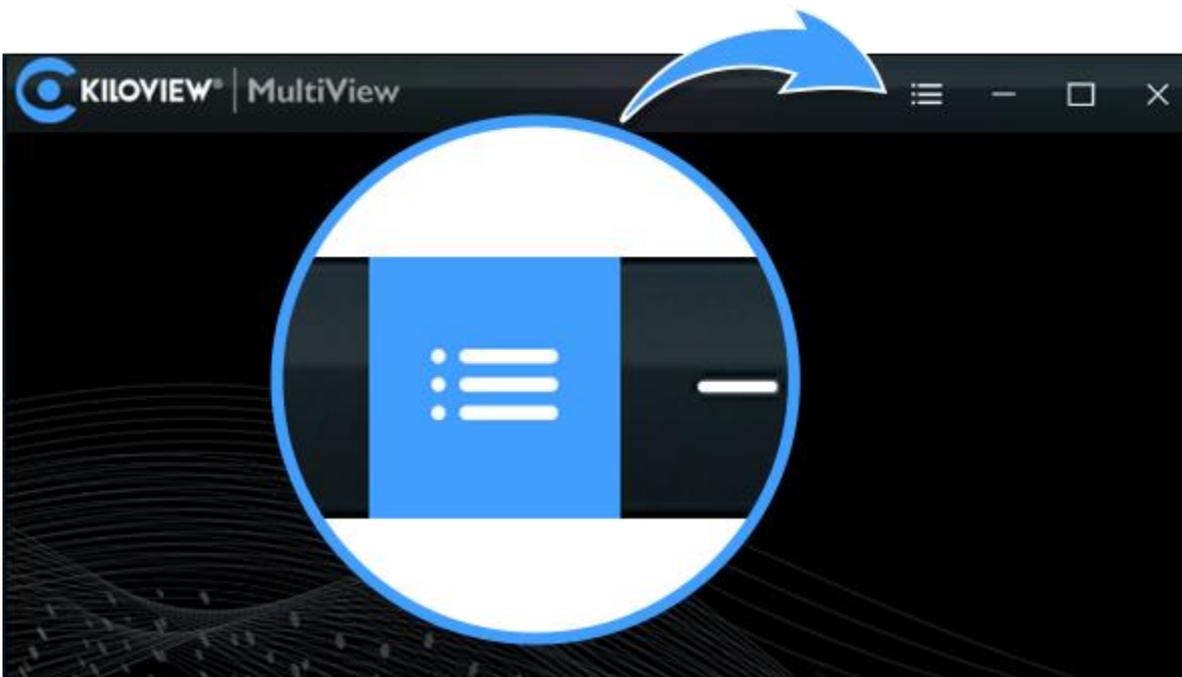


Download Kiloview Multiview for free

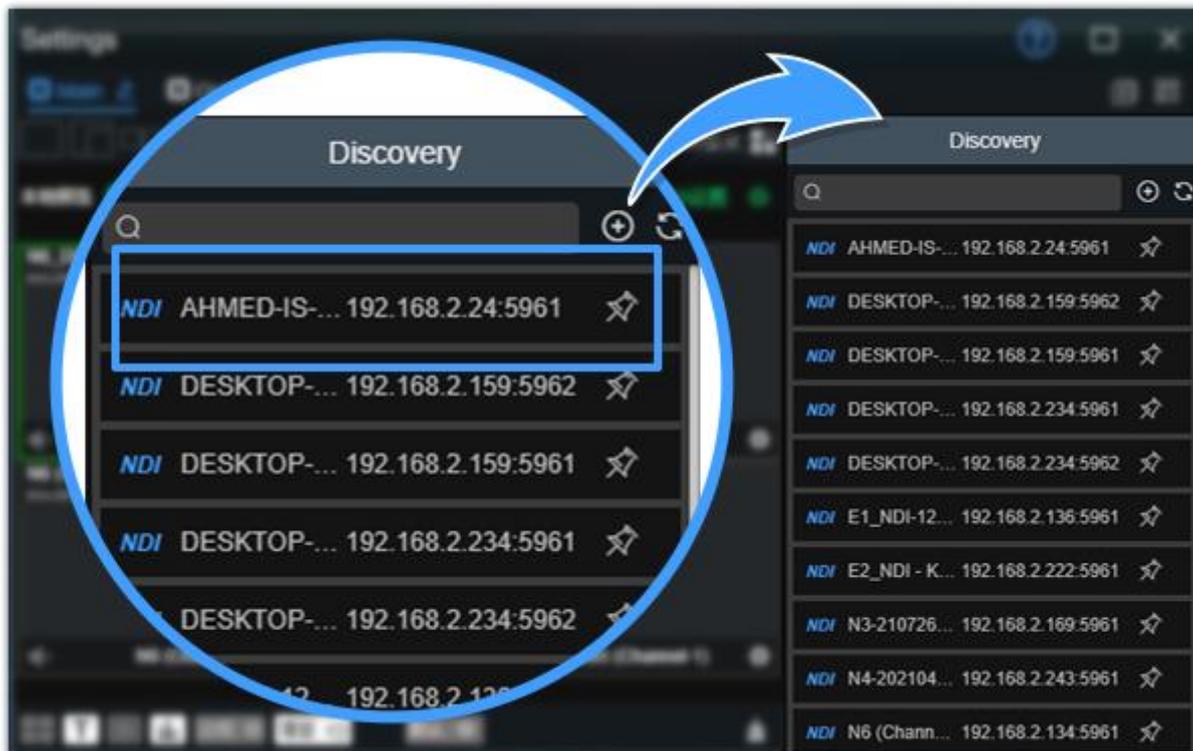
Visit website <https://www.kiloview.com/en/ndi/multiview/>, select "NDI Series" "Multiview" and click download, then install software step by step as instructions.

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

①Click  in the upper right corner to log into webpage.



②Find the device and IP address in the device list. Enter management interface through web browser.



**Note:**

Naming rules: S2-<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 S2 is showed in the discovery device list.)
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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 S2 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 and accessing the Web UI of S2.

**Note:**

Naming rules: S2-<serial number>. Serial number refers to the numbers pasted on the device label.

5.3 How to handle if the device can't be found?

If the S2 device can't 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 management page

Open the Web page of S2, default username/password is **admin/admin**.



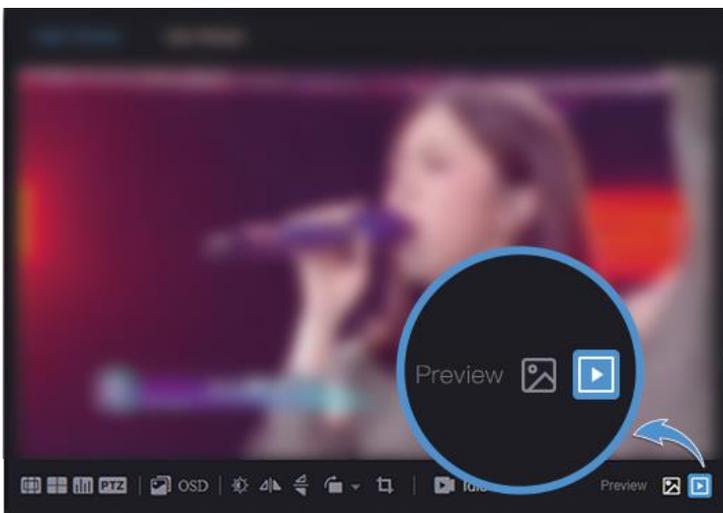
Note:

To ensure your information security, it is recommended to revise your password after you log into for the first time.

7. Work with your device

7.1 Video input checking

After video source connected, you will be allowed to preview video in real time through web browser. Kindly note the video preview window is under “image” mode by default, and it is refreshed every 3 seconds. If your computer’s CPU performance is good, you can click the mouse to switch to the “video” mode, and the smoothness of the preview will be improved.

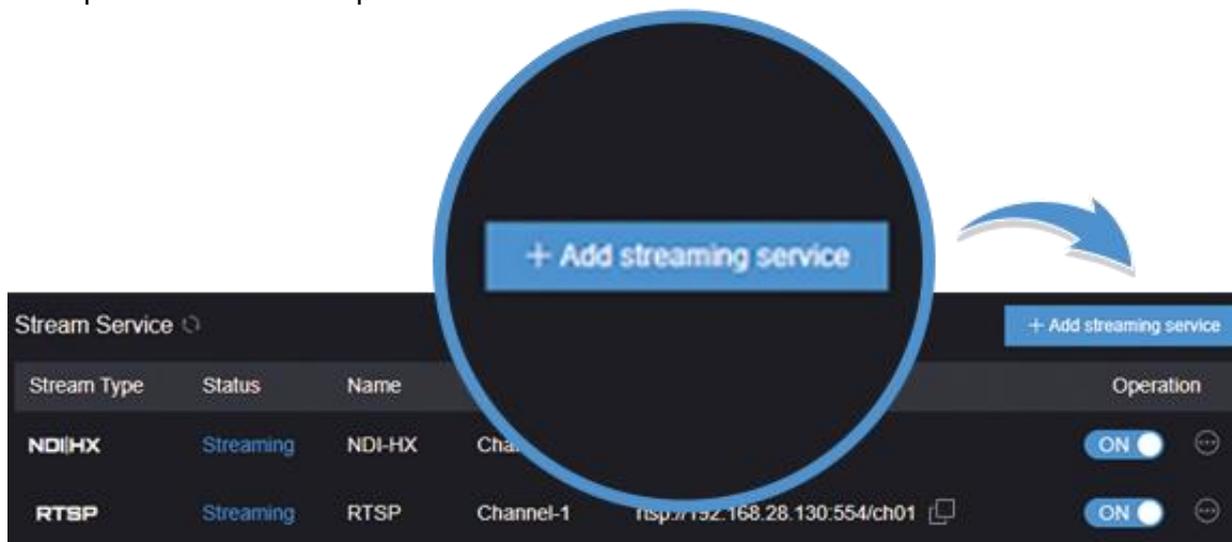


For more configurations and help, please visit Kiloview official website

<https://www.kiloview.com/en/support/docs/S2/getting/>

7.2 Streaming service

Click “+” on the right side of the stream service at the bottom of S2 Web UI. Add a stream service, take RTSP protocol as an example.



Select RTSP, fill in the name, service port and session ID, the other setting parameters can remain default configuration, click “OK” .

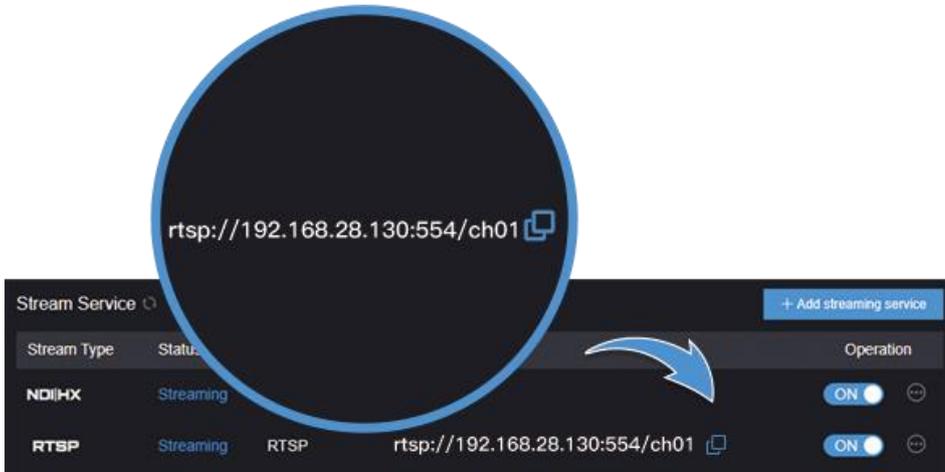
Type	RTSP	Name	Please Enter
Audio	Channel-1	Tunnel Port	8554
Service port	554	Session ID	ch01



Note:

- The default RTSP port is 554, when add multiple RTSP service, different port number should be used.
- Session ID can be any combination of numbers, letters and symbol.

After saving configurations, it will be displayed under the stream service, which is closed by default. Click switch to start the stream service, it will come up a RTSP stream address in the corresponding address.



Click icon  at the back of stream address, copy it and then check the encoded video stream by VLC.



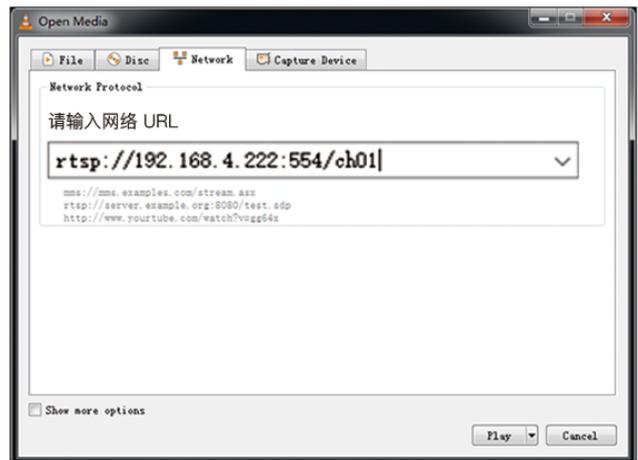
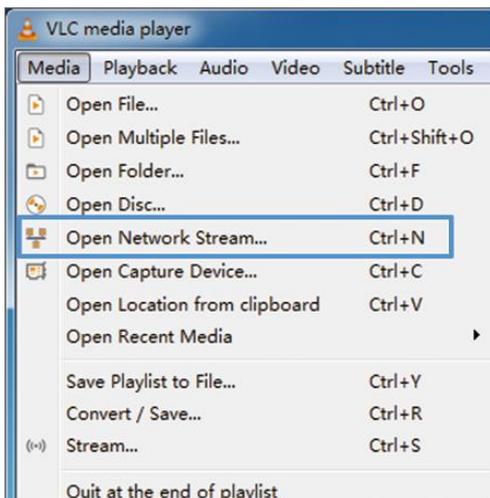
Download VLC tool

Download and install VCL tool through official website

<https://www.videolan.org/vlc/>, please follow the official VCL instructions for download method and installation process.

VLC is a multimedia player and framework with free and open cross platform, which can play most of streaming media protocols.

Click media on the VLC - open network streaming - enter the URL address of RTSP over internet, click play at the lower right corner to start streaming.



For more support while using with S2 encoders, please visit Kiloview website:

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

8. Firmware upgrading

8.1 Download upgrade firmware



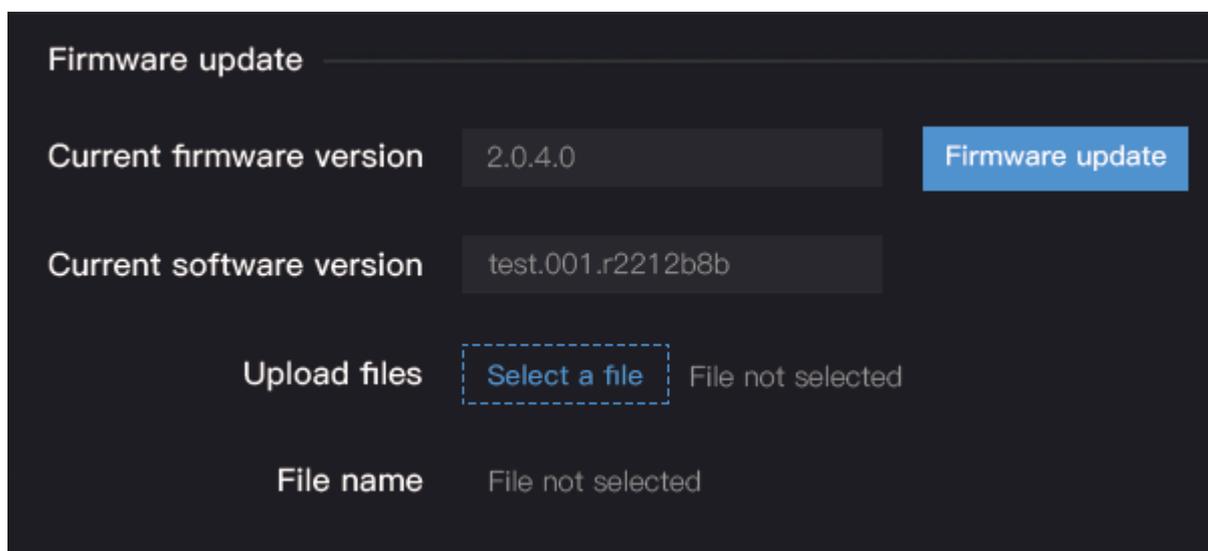
Kiloview will continue to provide the firmware of updating functions and fixing bug for S2. Kindly visit " <https://www.kiloview.com/en/support/download/>"

Select "video encoders" in the filter list > "S2" , find the latest firmware to download in the program tag.

8.2 Upgrade device firmware

Login the management web page of S2, click "Settings"-- "System 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 need reboot the device. After clicking "ok" , the device will restart, please be patient. After the device restart, refresh web management interface to re-enter the web UI.



Firmware update

Current firmware version 2.0.4.0 Firmware update

Current software version test.001.r2212b8b

Upload files Select a file File not selected

File name File not selected



Note

- Please not power off during the upgrade process, otherwise the device couldn't work.
 - Generally speaking, it will cost 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 normally, try contacting technical support.
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9 Restore factory settings

If the device cannot work normally after modifies 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.
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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.
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10 Note

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



Website for Official online document of S2
<https://www.kiloview.com/en/support/docs/S2>



Website for Kiloview official technical support
<https://www.kiloview.com/en/support/>



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