

快速入门手册

RD-350/RD-260 视频解码卡板

(V2.0)

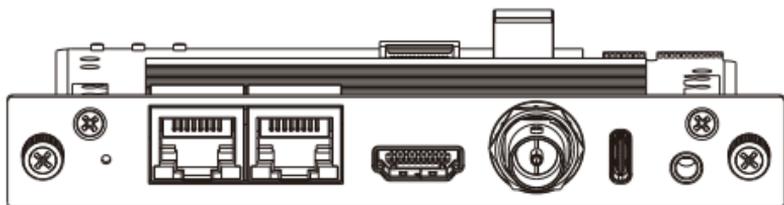


通过本手册，您可以了解到

- 设备接口、安装和功能
- 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

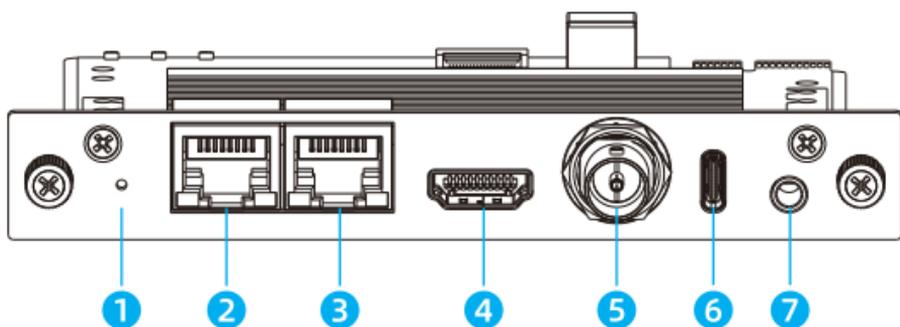


(2) 合格证/保修卡×1



(3) 《快速入门》手册×1

2 设备接口



(1) 复位按钮

(2) 1000M以太网口1

(3) 1000M以太网口2

(4) HDMI 输出接口

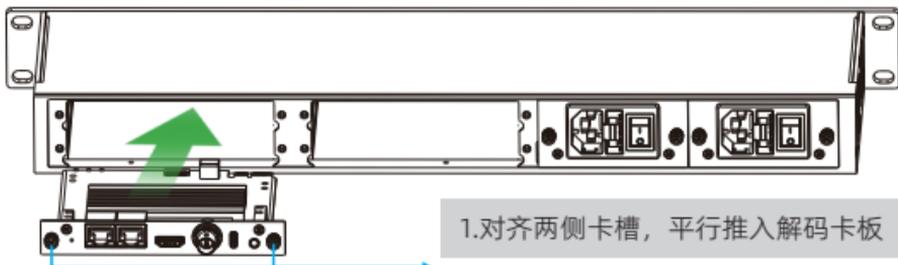
(5) SDI输出接口

(6) Type-C 拓展接口

(7) LINE OUT

3 卡板安装

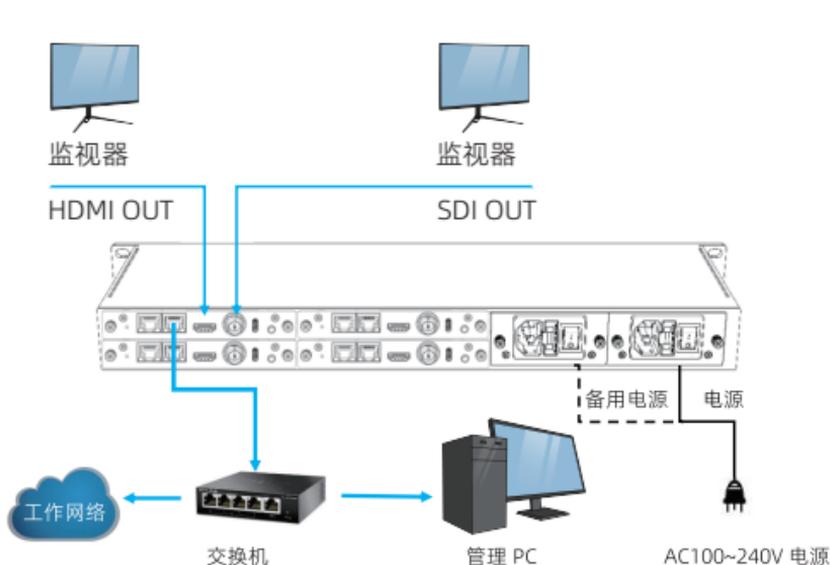
将卡板组件对齐左右卡槽，平行推入后拧紧左右2颗手拧螺丝，组件安装完成。拆卸时，将左右2颗手拧螺丝松开，平行抽出卡板组件。



1. 对齐两侧卡槽，平行推入解码卡板

2. 推入后拧紧左右两侧手拧螺丝

4 应用场景



5 登录设备管理页面

设备开机后，打开浏览器，在地址栏输入屏幕上显示的维护IP地址

192.168.1.168或者192.168.2.168，进入Web UI首页。默认用户名: admin

密码: admin。

注意

- 请使用设备标配电源适配器给设备供电，其它不合格电源可能会损坏设备。
- 该场景下网络线缆连接 RD-350/RD-260 设备的网口 1 (NET 1)。

用户名/用户ID

密码

登录

6 网络配置

设备设置					
地址1					
地址获取方式	DHCP自动获取	MAC	7C:D2:2B:BFEC:18	*IP	192.168.230.14
子网掩码	255.255.255.0	网关	192.168.230.254	DNS	223.255.255.0



说明

- 使用缺省地址登录，需确保电脑网络配置同网段地址（192.168.1.*，*指1-255之间除168以外的其他数字）；
- 如设备是网口2连接网络，缺省的固定IP地址为：192.168.2.168。



注意

- 为保证信息安全，建议您初次登录后、立即修改密码。
- 考虑浏览器的兼容性问题，建议使用 Google Chrome 或 Edge 或者 safari 登录。
- 登录必须勾选用户许可协议。

6.1 自动模式（DHCP）模式说明

- 1.设备通过路由器自动获取IP地址，每次重启可能分配不同IP。
- 2.默认备用IP：若网络无路由器，设备将固定使用192.168.1.168。
- 3.使用场景：需接入支持DHCP功能的路由器网络。

操作步骤：点击【自动模式】按钮。设备将自动重启（约30秒），屏幕显示路由器分配的新IP地址。在浏览器输入屏幕显示的IP地址，即可访问设备管理页面。

6.2 手动模式模式说明

- 1.需手动设置设备IP，确保与电脑/手机处于同一局域网网段。
- 2.配置方法：查询本地设备网络信息（以电脑为例）：进入「网络设置」→ 查看IPv4信息：

IP地址：192.168.1.148 子网掩码：255.255.255.0 默认网关：192.168.1.1
--

- 3.设置设备IP，根据查询结果配置设备：

IP地址：192.168.1.142(需要一网段且不冲突) 子网掩码：255.255.255.0 默认网关：192.168.1.1

6.3 注意事项：可通过路由器管理页面或扫描工具检查IP是否被占用。

7 添加视频源

在设备 WEB “首页” 界面的右上方“源”菜单列表下，点击“+”，弹出的“添加分组”对话框创建一个源分组后，在对应分组名称列表点击“+”弹出的“添加”对话框输入要添加的“网络流”、“NDI”、“RTMP Server”填写对应的配置参数，点击“确定”即可将视频源添加到源列表。



8 页面预览

源列表菜单下所创建的对应该分组中，可将组内的视频源拖拽至列表左侧的小窗格预览。正常连接后，便可以预览源画面和相关信息。



说明

- 视频源地址可在电脑端使用 VLC 等播放器软件测试可正常播放。
- 来自网络的视频源，根据视频解码输出流畅程度设置能需要配置较高的缓冲时间。

说明

- 预览功能需要浏览器支持，升级使用最新版本 Chrome、Edge、Safari。
- 浏览器预览不支持含有 B 帧和 H.265 编码的视频源。
- 预览需使用设备配置的实际工作网络 IP 地址登录进行预览。

9 解码输出

登录设备WEB管理页面，两个输出Tab标签,分别是output1和output2，根据需求可以设置多画面的形式，选择任一Tab标签点击右上角下拉菜单勾选一个SDI或两个HDMI物理接口便可解码输出相同或不同内容。鼠标选择预览窗格视频源并拖入对应输出窗口，即可通过已连接的物理接口将解码视频输出到对应连接的显示设备上。



说明

- 输出分辨率需配置后端接收显示器可以支持的分辨率和帧率。
- 音频默认关闭，可通过界面右上放音频输出下拉菜单选择对应的音频输出接口。
- 多画面输出需通过添加布局后进行配置。

注意

- 请使用设备标配电源适配器给设备供电，其它不合格电源可能会损坏设备。
- 4K 全能多画面解码器单通道最多支持 12 路画面解码，HDMI 和 SDI 可输出相同或者不同画面。
- HD 全能多画面解码器最多支持 4 路画面解码，HDMI 和 SDI 可输出相同或者不同画面。

10 固件升级

10.1 下载升级固件

在本公司官网会定期发布新的升级固件，用户可根据需要下载最新的固件进行升级，也可以联系产品销售来获取产品的最新固件。

10.2 升级设备固件

登录设备管理后台，点击顶部菜单栏“设置”>“固件升级”，进入固件升级页面，点击“选择文件”按钮上传最新的固件包 再点击“固件升级”按钮。

固件升级

当前固件版本

0.01.0019

上传文件

未选择文件

① 只能上传bin文件

注意

- 检查下载的最新软件版本是否高于当前软件版本，如果版本一致或更低，则无需升级。若要升级，上传从官网下载的固件文件，然后点击“固件升级”。
 - 上传固件成功后，系统将自动重启回到主页，请耐心等待升级过程完成。
 - 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 3-5 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。
-

11 恢复出厂设置

如忘记账号密码或者当忘记网络配置并且无法搜索查找到设备时，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” > “系统重置” > “恢复出厂”。

方法二：当设备不能正常登录 Web 管理页面时，按住设备面板的复位按钮，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，以太网口 1 同时恢复维护地址为 192.168.1.168，以太网口 1 同时恢复维护地址为 192.168.2.168；
 - 所有视频解码参数、音频参数等将恢复到出厂的默认值。
-

12 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 D350 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

RD-350/RD-260 Video Decoding Card

(V2.0)

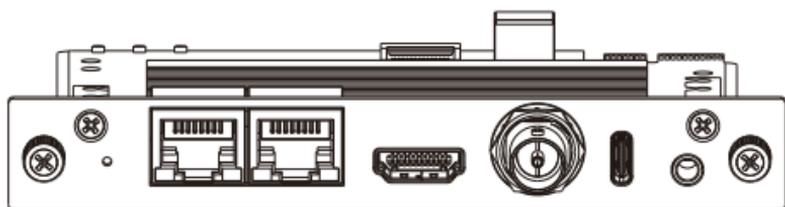


Content

- Packing List
- Device interfaces
- Device connection, login and use guide
- Device upgrades, and restore to factory setting

Before using this product, please carefully read this user manual. To ensure your personal safety and prevent physical or electrical damage to the device, please strictly follow the instructions in this manual or install and use this product under the guidance of a qualified professional. Improper electrical connections or physical installation methods may cause permanent damage to the device and even threaten personal safety.

1 Packing List



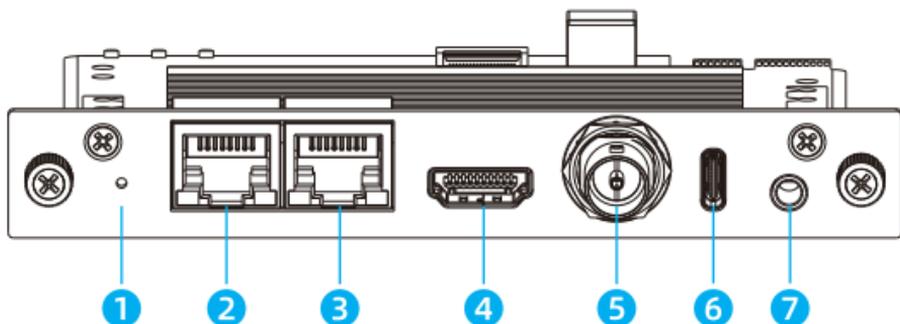
(1) Hostx1



(2) Certificate/Warranty Cardx1

(3) User Manualx1

2 Device Interface



(1) Reset button

(2) 1000M Ethernet port 1

(3) 1000M Ethernet port 2

(4) HDMI output interface

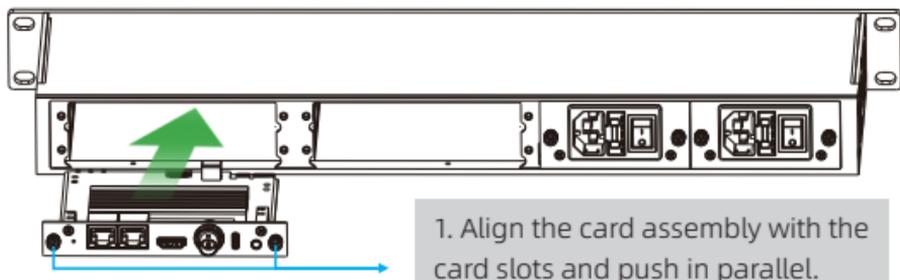
(5) SDI output interface

(6) Type - C Extension interface

(7) LINE OUT

3 Card Board Installation

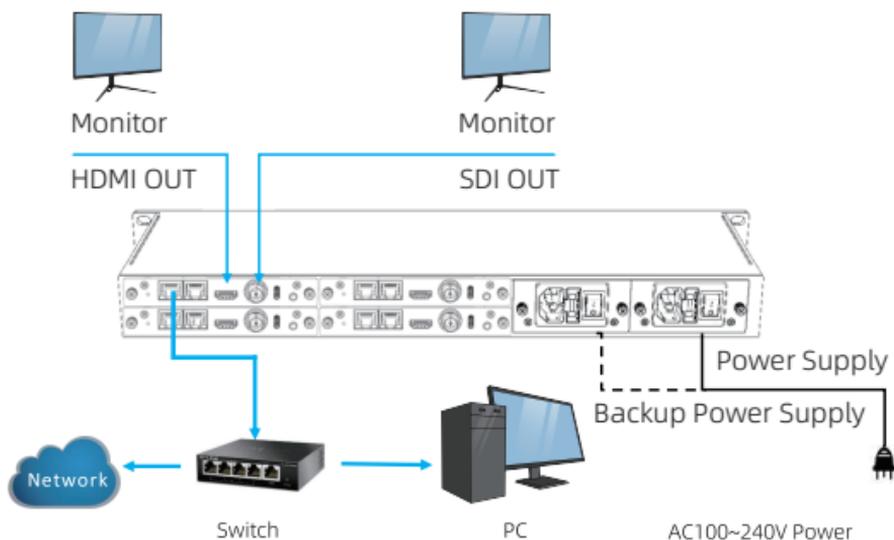
Align the card assembly with the left and right slots, push it in parallel, and tighten the two thumb screws on the left and right to complete the assembly installation. To disassemble, loosen the two thumb screws on the left and right and pull out the card assembly in parallel.



1. Align the card assembly with the card slots and push in parallel.

2. Tighten the left and right screws.

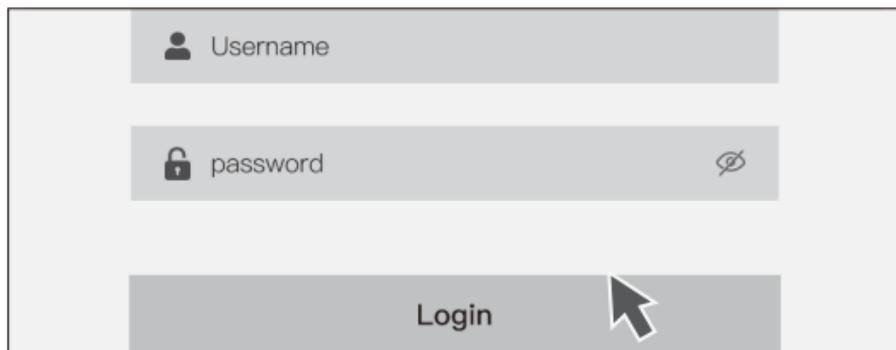
4 Application Scenario



5 Log in to the Device Management Page

After the device is powered on, open the browser and enter the maintenance IP address 192.168.1.168 or 192.168.2.168 displayed on the screen in the address bar to enter the Web UI homepage.

Default username: admin Password: admin.



The screenshot shows a login interface with three main components: a 'Username' input field with a person icon, a 'password' input field with a lock icon and a toggle eye icon, and a 'Login' button with a mouse cursor pointing to it.



Note

- When logging in with the default address, ensure that your computer's network configuration is in the same network segment address. (192.168.1.*, where * refers to numbers between 1-255 except 168)
- If the device is connected to the network through network port 2, the default fixed IP address is: 192.168.2.168.



Notice

- The demonstration picture shows a 4K all-in-one multi-view decoder.
- To ensure information security, it is recommended that you change your password immediately after logging in for the first time.
- Considering browser compatibility issues, it is recommended to log in using Google Chrome, Edge or Safari.
- You must check the User License Agreement when logging in.

6 Network Configuration

Network Settings			
Network 1			
IP Obtain Mode	DHCP Dynamic	MAC	7C:D2:2B:BF:EC:18
		*IP	192.168.230.14
Net mask	255.255.255.0	Gateway	192.168.230.254
		DNS	223.255.255.0

6.1 Automatic Mode (DHCP) Mode Description

- 1.The device automatically obtains an IP address through the router, and a different IP address may be assigned each time it is restarted.
- 2.Default backup IP : If the network does not have a router, the device will use 192.168.1.168.
- 3.Usage scenario : Need to access a router network that supports DHCP function.

How to do it : Click the [Auto Mode] button. The device will automatically reboot (approximately 30 seconds) and the screen will display the new IP address assigned by the router. Enter the IP address displayed in your browser to access the device management page.

6.2 Manual Mode Description

- 1.You need to manually set the device IP to ensure that it is in the same LAN segment as your computer/mobile phone.
- 2.Configuration method : Query local device network information (using a computer as an example): Enter "Network Settings" → Check IPv4 information:

2.Configuration method : Query local device network information (using a computer as an example): Enter "Network Settings" → Check IPv4 information:

```
IP Address: 192.168.1.148
Net mask: 255.255.255.0
Gateway: 192.168.1.1
```

3.Set the device IP and configure the device according to the query results . The same network point is required and there should be no conflict:

```
IP Address: 192.168.1.142
Net mask: : 255.255.255.0
Gateway: 192.168.1.1
```

6.3 Note: You can check whether the IP is occupied through the router management page or scanning tools.

7 Add Video Source

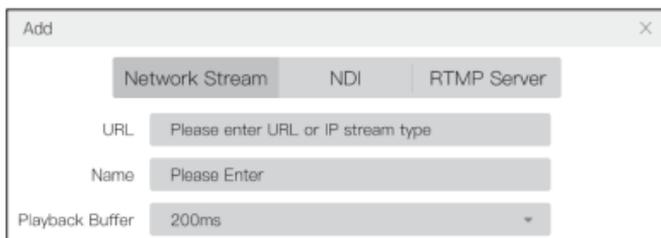
In the upper right corner of the device's WEB " Home " interface, click "+" under the "Source" menu list. After creating a source group in the pop-up "Add Group" dialog box. In the corresponding group name list, click "+" to open the "Add" dialog box, enter the "Network Stream", "NDI", "RTMP Server" to be added, fill in the



Note

- The video source URL can be tested on a computer using a video player such as VLC to verify normal playback.
 - For video sources from the internet, a higher buffering time may be required depending on the smoothness of the video decoding output.
-

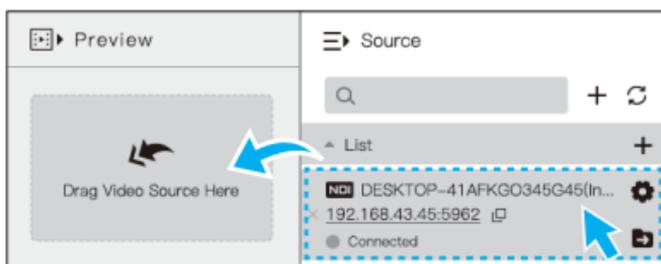
corresponding configuration parameters, and click "OK" to add the video source to the source list.



The 'Add' dialog box has a close button (X) in the top right corner. It features three tabs: 'Network Stream' (selected), 'NDI', and 'RTMP Server'. Below the tabs are four input fields: 'URL' with the placeholder text 'Please enter URL or IP stream type', 'Name' with 'Please Enter', and 'Playback Buffer' with '200ms' and a dropdown arrow.

8 Page Preview

In the corresponding group created under the Source List menu, you can drag the video sources in the group to the small pane on the left side of the list to preview them. Once connected, you can preview the source images and related information.

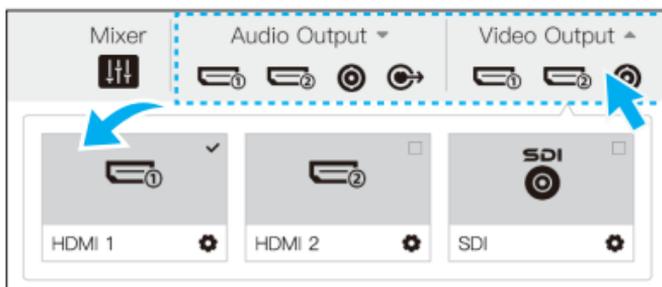


Note

- The preview function requires browser support. Please upgrade and use the latest version of Chrome, Edge and Safari.
- Browser preview does not support video sources containing B-frames and H.265 encoding.
- Preview requires logging in using the device's configured working network IP address.

9 Decoding output

Log in to the device WEB management page , there are two output tabs , output1 and output 2. You can set the multi-view format according to your needs. Select any tab and click on the upper right corner. Select one SDI or two HDMI physical ports from the drop-down menu to decode and output the same or different content. Select the video source in the preview pane and drag it into the corresponding output window to output the decoded video to the corresponding display device via the connected physical port.



Note

- The output resolution must be configured to match the resolution and frame rate supported by the backend receiving display.
- Audio is disabled by default. Select the appropriate audio output interface from the Audio Output drop-down menu in the upper right corner of the interface.
- Multi-view output must be configured after adding a layout.

Notice

- Please use the power adapter that comes standard with the device to power the device. Other unqualified power supplies may damage the device.
- The 4K all-in-one multi-view decoder supports up to 12 channels of video decoding per channel, and can output the same or different images via HDMI and SDI.
- The HD all-in-one multi-view decoder supports up to 4 channels of decoding, and HDMI and SDI can output the same or different images.

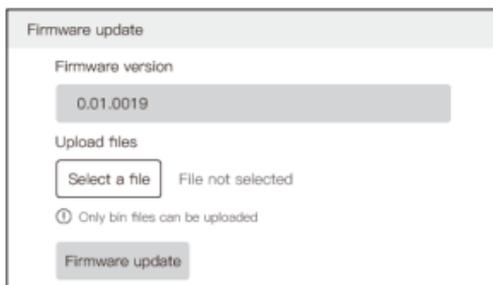
10 Firmware Upgrade

10.1 Download and upgrade firmware

New upgraded firmware will be released regularly on our official website . Users can download the latest firmware for upgrade as needed.

10.2 Upgrading device firmware

Log in to the device management Web UI, click "Settings" > "Firmware Upgrade" in the top menu bar, enter the firmware upgrade page, click the "Select File" button to upload the latest firmware package, and then click the "Firmware Upgrade" button.



The screenshot shows a web interface titled "Firmware update". It contains the following elements:

- Firmware version:** A text input field containing "0.01.0019".
- Upload files:** A section with a "Select a file" button and the text "File not selected".
- Warning:** A small circular icon with an exclamation mark followed by the text "Only bin files can be uploaded".
- Action:** A "Firmware update" button at the bottom.



Notice

- Check whether the latest software version you downloaded is higher than the current software version. If the version is the same or lower, there is no need to upgrade. To upgrade, upload the firmware file downloaded from the official website and click "Firmware Upgrade".
 - After the firmware is uploaded successfully, the system will automatically reboot and return to the home page. Please wait patiently for the upgrade process to complete.
 - During the upgrade process, please do not turn off the power, otherwise the device may fail to start.
 - Generally, the upgrade process takes about 3-5 minutes . If the upgrade is not complete after more than 5 minutes, please try refreshing the webpage. If you still cannot access the webpage normally, please contact technical support.
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11 Restore factory settings

If you forget your account password or the network configuration and cannot search for the device, you can try to restore the device to factory settings. There are two ways to restore the factory settings:

Method 1: When the device can log in to the web management page normally, go to "Settings" > "System Reset" > "Factory Reset" on the web interface.

Method 2: When the device cannot log in to the web management page normally, press and hold the reset button on the device panel for more than 5 seconds.



Note: After restoring the factory settings, the following parameters will be changed to the default values

- The password of the logged-in user admin will be restored to admin.
 - Your device will be restored to the default DHCP dynamic IP address acquisition mode, and the Ethernet port 1 will also be restored to the maintenance address 192.168.1.168 , and the Ethernet port 1 will also be restored to the maintenance address 192.168.2.168 ;
 - All video decoding parameters, audio parameters, etc. will be restored to the factory default values.
-

12 Others

If the device is not used for a long time, to extend its service life, please unplug the power supply and store the device properly.



For more usage support on the D350, Visit the Kiloview official website:

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