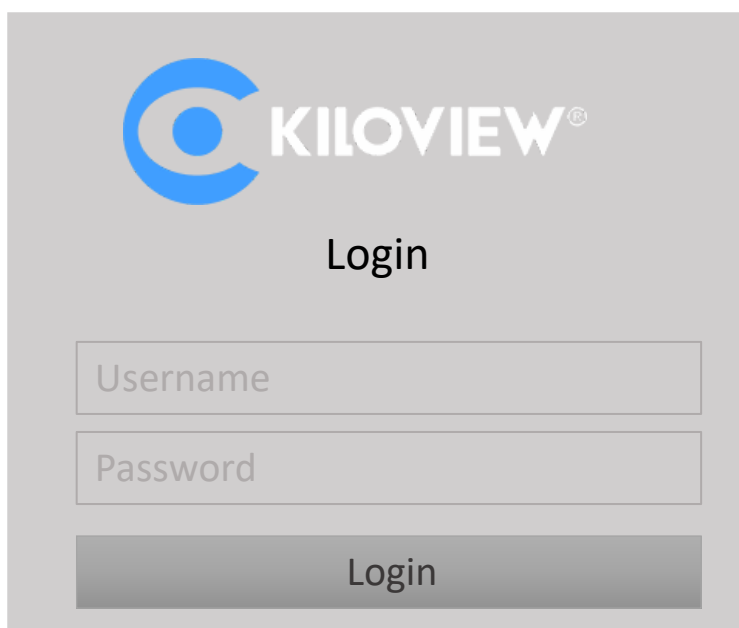


# Login the bonding platform

Enter <http://server> IP: 60000/ in the browser to login to the bonding platform. The default username is admin, and the password is admin.



The image shows a login form for the Kiloview platform. At the top left is the Kiloview logo, a blue stylized 'C' with a white dot inside, followed by the text 'KILOVIEW®'. Below the logo is the word 'Login' in a bold, black font. Underneath are two input fields: 'Username' and 'Password', both with light gray placeholder text. At the bottom of the form is a large, dark gray button with the word 'Login' in white text.

Note:

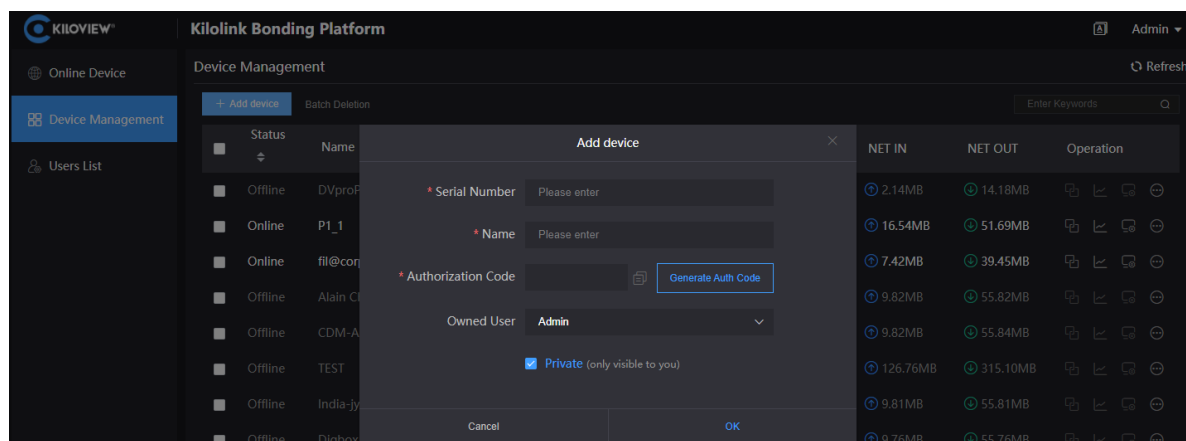
To ensure information security, we recommend you change the password immediately after your first login.

The port of the bonding server is the one configured during deployment. The default port is 60000.

## Device connection

### Step 1: Add the device to the platform and generate an authorization code.

Click "Device management"- "Add device", configure the parameters and generate an authorization code.



The screenshot shows the Kilolink Bonding Platform interface. The top navigation bar includes the Kiloview logo, the title 'Kilolink Bonding Platform', and the user 'Admin'. The main content area is titled 'Device Management' and features a '+ Add device' button. A modal window titled 'Add device' is open, showing fields for 'Serial Number', 'Name', 'Authorization Code', and 'Owned User' (set to 'Admin'). There is a 'Generate Auth Code' button and a 'Private' checkbox. The background shows a table of devices with columns for 'Status', 'Name', 'NET IN', 'NET OUT', and 'Operation'.

Status	Name	NET IN	NET OUT	Operation
Offline	DVproP	2.14MB	14.18MB	[Icons]
Online	P1_1	16.54MB	51.69MB	[Icons]
Online	fil@con	7.42MB	39.45MB	[Icons]
Offline	Alain C	9.82MB	55.82MB	[Icons]
Offline	CDM-A	9.82MB	55.84MB	[Icons]
Offline	TEST	126.76MB	315.10MB	[Icons]
Offline	India-ly	9.81MB	55.81MB	[Icons]
Offline	Digbox	9.76MB	55.76MB	[Icons]

Introductions:

**Serial Number:** Login to the device Web page to get the Serial Number in the lower left corner of "System Information".

**Name:** Any combinations of alphabets, numbers and symbols.

**Authorization Code:** Click "Generate Auth Code", then an authorization code combining with letters and numbers will be generated automatically, which will be used for device registration.

**Owned User:** The added devices can be visible to a certain user you assigned.

## Step 2: Device registration

Login to the device Web page, click "Network & Service Settings" – "Connect Bonding Server", and configure the parameters to start the bonding service.

### Introductions:

Please download the latest firmware from our website: <https://www.kiloview.com/en/support/download/> Select "Video encoder" in the filter list > "P1/P2", find the latest firmware to download.

**Server address:** The IP address of the bonding server.

**Port:** The port that used to login to the Web page of the bonding server. The default port is 60000.

**Auth Code:** Generated when adding the device to the bonding platform.

Network & Service Settings —

- Set Hostname
- Network Manager
- Easy Management Services
- Web Service
- Onvif Service
- Telnet Service
- ARP Resolution Setting
- Static routing setting
- Connect Bonding Server
- Serial Port and PTZ +
- Voice Intercom
- nil
- Quick Reset
- Logs & Debug
- Reboot

Connect Status: Conncted

Bonding Links: eth1 | modem1

Send Total: 2.70M | 2.62M Byte

Recv Total: 2.04M | 12.63M Byte

Round-trip Time: 300.0 | 270.0 ms

Loss Rate: 0.0 | 0.0 %

Send Rate: 3K | 17K bps

Recv Rate: 2K | 23K bps

### Bonding Service

Enable Bonding Service: Yes

Server Address: 43.128.30.176

Port: 60000

Auth Code: FWILYRIL31

Timeout: 15 Second

Interface:

- Default Ethernet
- Ethernet 1
- 3G/4G Modem 1
- 3G/4G Modem 2
- Default WIFI

SAVE

### Note:

There are four default options of bonding ports: Default WIFI, 3G/4G Modem 1, 3G/4G Modem 2 and Default Ethernet. When inserting 4G USB modems, there are two modes: one is "MODEM" mode, the other is "ETHERNET CARD" mode. In the MODEM mode, it will be recognized as 3G/4G Modem 3 or 3G/4G Modem 4. In the ETHERNET CARD mode, it will be recognized as USB network connection 1 or USB network connection 2. And the options will be increased in the port.

A few seconds later, it will show "Connected" in the bonding status, which means that the device has successfully registered to the bonding server and you can use the aggregated links for streaming. And you can log into the bonding platform through the QR code in the upper left corner to disable and configure the parameters.

## Connect Bonding server



Refresh

### Bonding Status

- Connect Status: **Conneted**
- Bonding Links: **eth1 | modem1**
- Send Total: **2.70M | 2.62M Byte**
- Recv Total: **2.04M | 12.63M Byte**
- Round-trip Time: **300.0 | 270.0 ms**
- Loss Rate: **0.0 | 0.0 %**
- Send Rate: **3K | 17K bps**
- Recv Rate: **2K | 23K bps**

### Introductions:

**Aggregated link:** Display all selected aggregated network links

**Sending statistics:** Calculate the data transmitted by each network link

**Round-trip time:** The round-trip time at both ends of each network link. The longer the time, the higher the delay after aggregation.

**Packet loss rate:** The packet loss of each network link. When the packet loss rate is too high, it may cause abnormalities such as unsmooth video transmission.

**Transmission rate:** The transmission rate of each network link. The total rate is equal to the actual configured encoding rate.

# Kilolink platform management

## Online devices

The list shows all the online devices. Online device means that the device connected to the bonding platform successfully and can use the aggregation link.

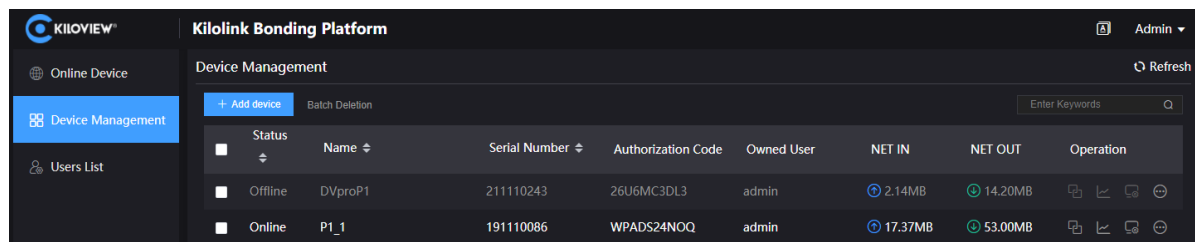
The screenshot displays the Kilolink Bonding Platform interface. On the left is a dark sidebar with the 'KILOVIEW' logo at the top. Below the logo are three menu items: 'Online Device' (highlighted in blue), 'Device Management', and 'Users List'. The main content area on the right is titled 'Kilolink Bonding Platform' and 'Online Device'. It features a dark background with a blue circular icon containing a white 'P' and the text 'P1\_1'. Below this, two data points are shown: '17.28 MB' with an upward arrow icon labeled 'UPLOAD', and '52.67 MB' with a downward arrow icon labeled 'DOWNLOAD'.

### Introductions:

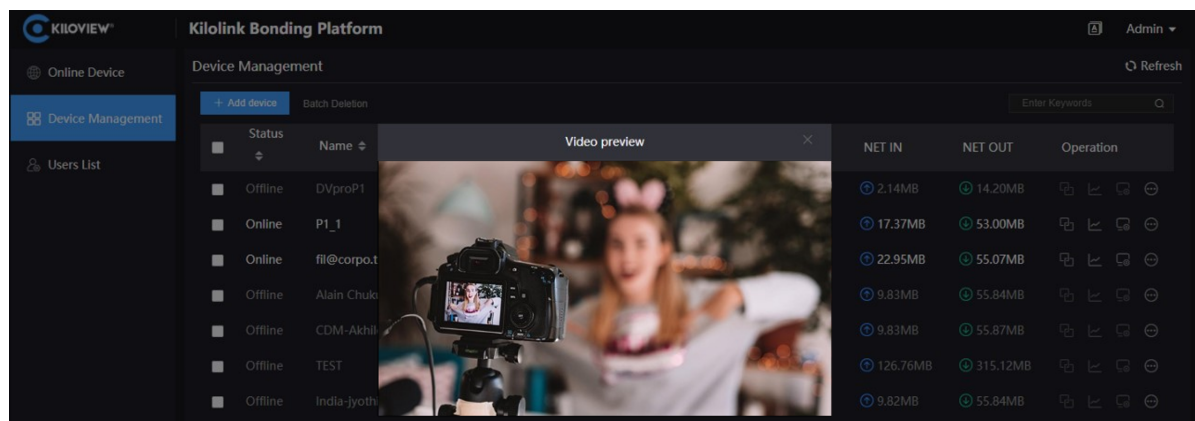
Devices that are not in the list are offline devices, which means that the device has not been registered successfully or the device has not been turned on to register to the bonding platform. All the added devices will be displayed in the "Device Management".

# Device Management

The device management list contains all the added devices, including online and offline devices. The online devices can do image preview, port forwarding, and device configuration.




Click the line of the online device, a video preview window will pop up to preview the real-time image of the device.



Note:

The video preview is for the sub-stream of the video, please make sure that the sub-stream is enabled in your device, otherwise the images cannot be previewed.

## Stream Service

Click  to enter the port forwarding page, and forward the internal network port of the device to the Internet through port forwarding, allowing other users to access the device or for streaming.

Click "Add Port Forwarding" and configure the parameters. Here take RTSP streaming as an example for configuration. The default port is 554 and the server port is 10240. Select the port type and save.

Other users in the network can use `rtsp://server IP: 10240/ch01` to get the RTSP stream transmitted by the bonding device, for example: `rtsp://43.128.30.176:10240/ch01`.


×

### Add Port Forwarding

Device Port	—	554	+	(0~65535)
* Server Port		10241	▼	
Port Type		TCP	▼	
Describe	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>			


CancelOK

### Bonding Status

Click  to enter the bonding status page to check the real-time bonding status and data statistics status. The statistics data and the bonding status statistics data on the device page correspond to each other.

The real-time status displays the real-time sending/receiving and packet loss rate of each network link, and the statistics status displays the total amount of sending/receiving and packet loss retransmission rate.

### Device Web page

Click  to enter to the device Web page directly, and you can configure the parameters wherever there is a network.



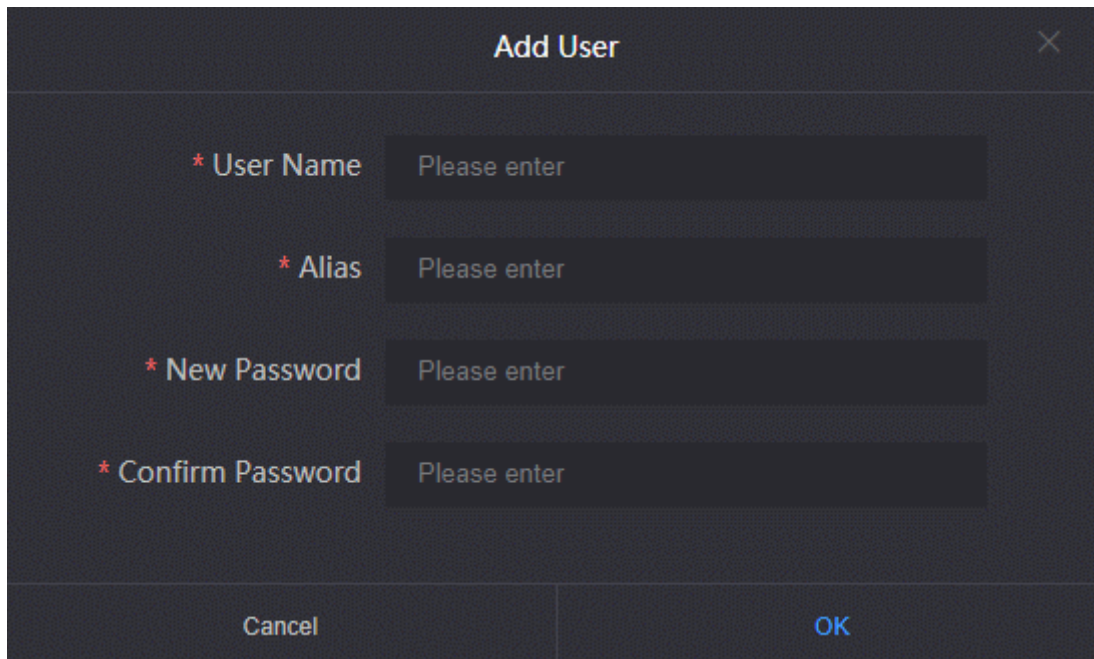
For more information about P series encoder, please visit kiloview's website:

<https://www.kiloview.com/en/support/docs/p2/>

## User List

---

In the user list, you can add users and delete or modify the added users. There is an admin account by default.



The image shows a dark-themed dialog box titled "Add User" with a close button in the top right corner. The dialog contains four required input fields, each marked with a red asterisk and a "Please enter" placeholder:

- \* User Name
- \* Alias
- \* New Password
- \* Confirm Password

At the bottom of the dialog, there are two buttons: "Cancel" on the left and "OK" on the right.

## Others

---

When the device is not used for bonding transmission, please disable the bonding service to make the device offline. Otherwise, the bonding server will continue to use the traffic, resulting in a waste of traffic.