imilab

IMILAB EC6 Dual 2K WiFi Spotlight Camera

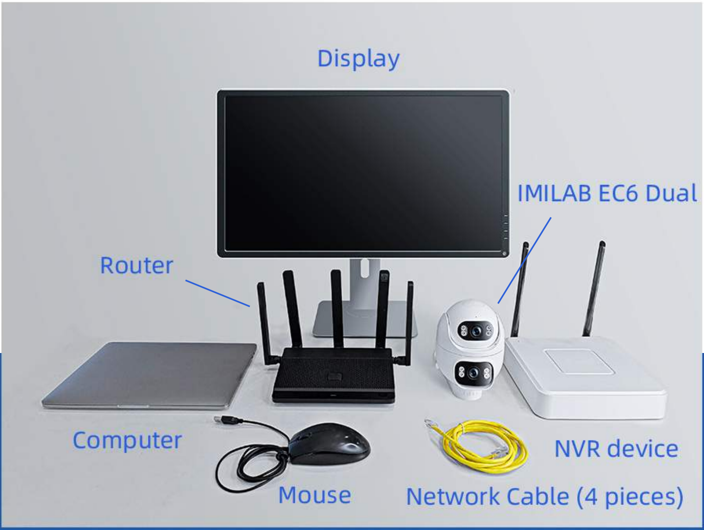
NVR Connection Guide

How to connect EC6 Dual camera to NVR device?

The IMILAB EC6 Dual 2K WiFi Spotlight Camera (hereinafter referred to as IMILAB EC6 Dual) is compatible with mainstream brand network video recorders (NVRs) that support the Onvif protocol.
You can choose an NVR based on your requirements.

Preparation Steps:

Before starting the configuration, please prepare the following devices:
IMILAB EC6 Dual, Router, NVR device, Display, Mouse, Network Cable (4 pieces), Computer


Display
IMILAB EC6 Dual
Router
Computer
NVR device
Mouse
Network Cable (4 pieces)

Configuration Steps:

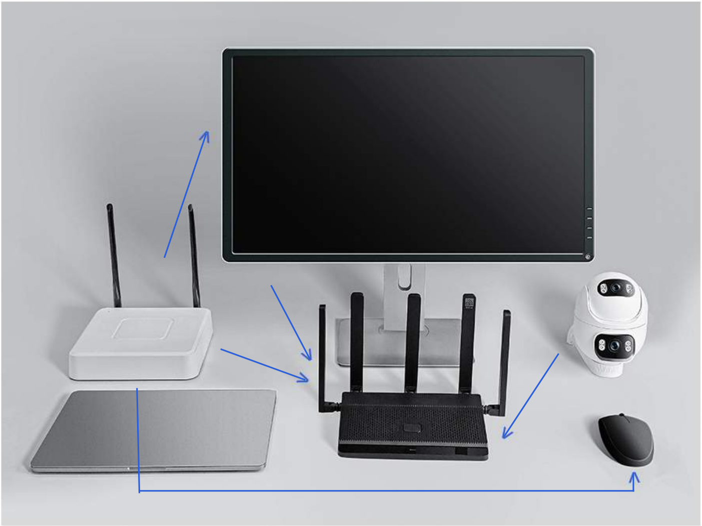
1. Connect the individual devices using the network cable, ensuring that all devices are on the same Local Area Network (LAN):

a. Connect the IMILAB EC6 Dual Camera by the network cable to the router;

b. Connect the computer by the network cable to the router;

c. Connect the NVR device by the network cable to the router;

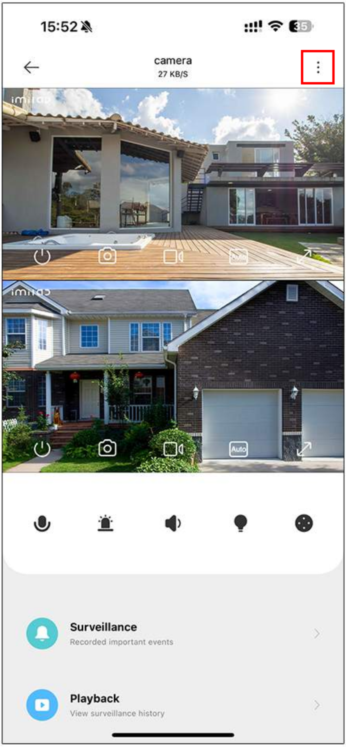
d. Connect the NVR device to the display and mouse.



2. Get the IP address of IMILAB EC6 Dual through the following methods:

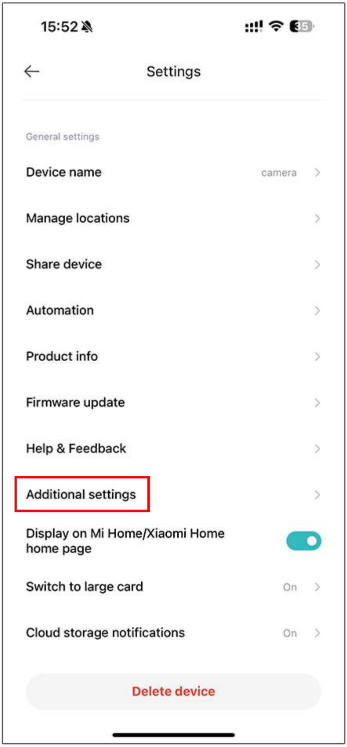
Method One: Get IP address through the Mi Home APP

After binding the IMILAB EC6 Dual to the Mi Home APP, enter the product menu. Click on the upper right corner [...] - [Settings] - [More Settings] - [Network Information] to find the IP address.


15:52
camera
27 KB/S
imilab
imilab
Auto

Surveillance
Recorded important events

Playback
View surveillance history


Settings

General settings

Device name camera

Manage locations

Share device

Automation

Product info

Firmware update

Help & Feedback

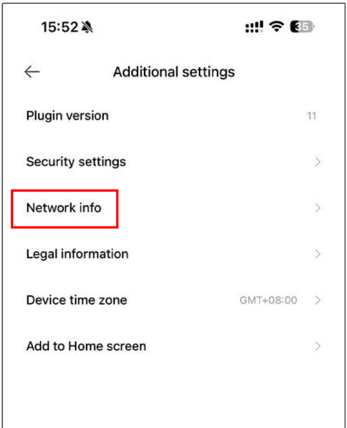
Additional settings

Display on Mi Home/Xiaomi Home home page

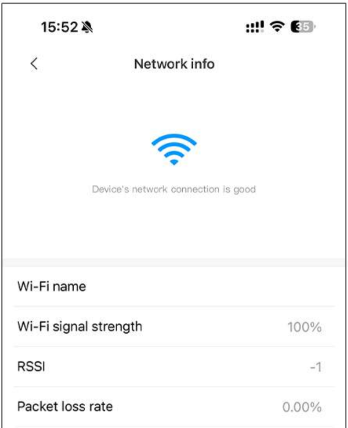
Switch to large card On

Cloud storage notifications On

Delete device

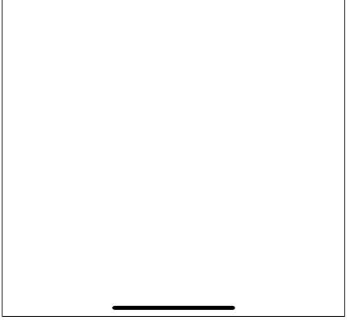

Additional settings

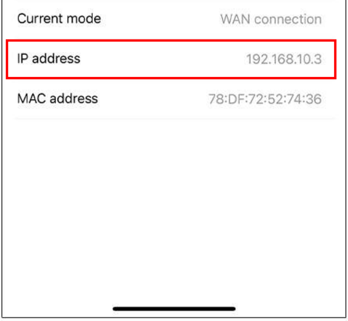
Plugin version	11
Security settings	
Network info	
Legal information	
Device time zone	GMT+08:00
Add to Home screen	


Network info

Device's network connection is good

Wi-Fi name	
Wi-Fi signal strength	100%
RSSI	-1
Packet loss rate	0.00%





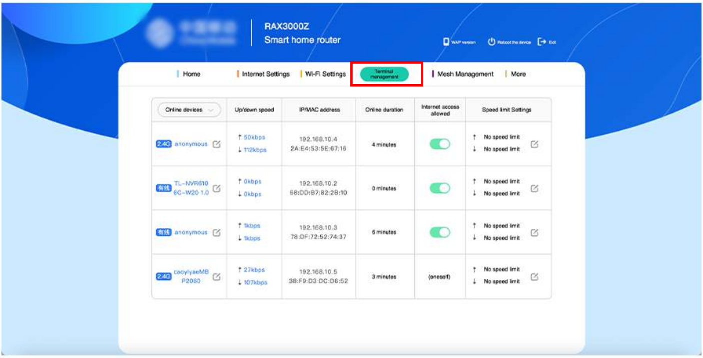
Current mode WAN connection

IP address 192.168.10.3

MAC address 78:DF:72:52:74:36

Method Two: Get IP address through router interface

a. Log into the interface of the router you're using. You can view all devices connected to the router under [Terminal Management].

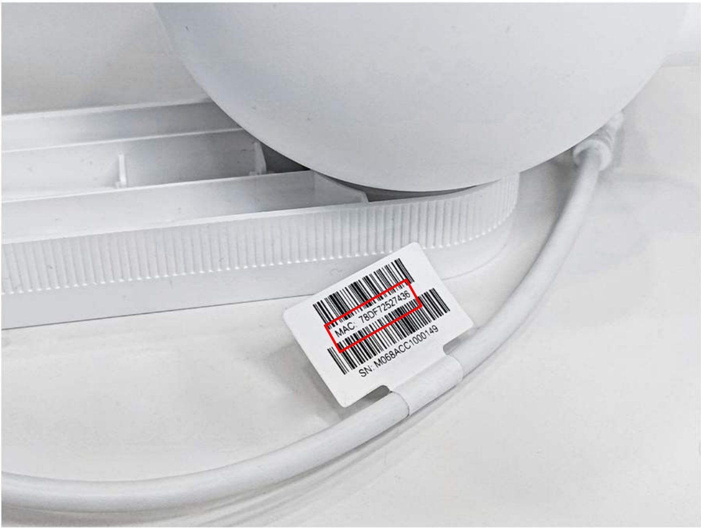


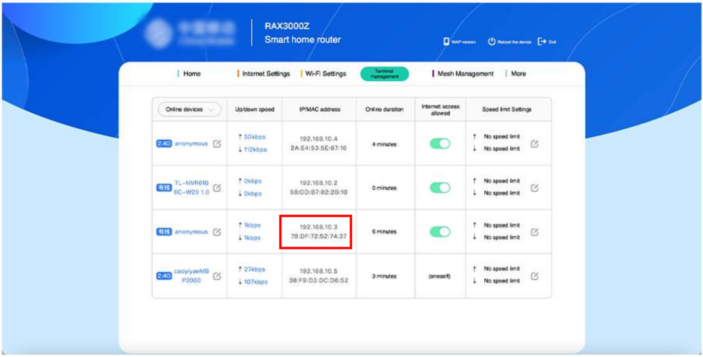
RAX3000Z
Smart home router

WAP version
Reboot the device
Exit
Home
Internet Settings
Wi-Fi Settings
Terminal management
Mesh Management
More

Online devices	Up/down speed	IP/MAC address	Online duration	Internet access allowed	Speed limit Settings
2.4G anonymous	↑ 50kbps ↓ 112kbps	192.168.10.4 2A:E4:53:5E:67:16	4 minutes	●	↑ No speed limit ↓ No speed limit
有线 TL-NVR610 6C-W20 1.0	↑ 0kbps ↓ 0kbps	192.168.10.2 68:DD:B7:82:2B:10	0 minutes	●	↑ No speed limit ↓ No speed limit
有线 anonymous	↑ 1kbps ↓ 1kbps	192.168.10.3 78:DF:72:52:74:37	6 minutes	●	↑ No speed limit ↓ No speed limit
2.4G caoylyaeMB P2060	↑ 27kbps ↓ 107kbps	192.168.10.5 38:F9:D3:DC:D6:52	3 minutes	(oneself)	↑ No speed limit ↓ No speed limit

b. Check the MAC address on the label of the IMILAB EC6 Dual power cord. Then, find the corresponding IP address in [Terminal Management].


MAC: 78DF72527436
SN: M068ACC1000149


RAX3000Z
Smart home router
WAP version
Reboot the device
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Home
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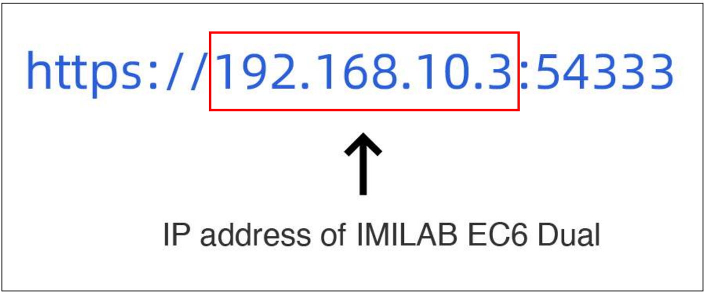
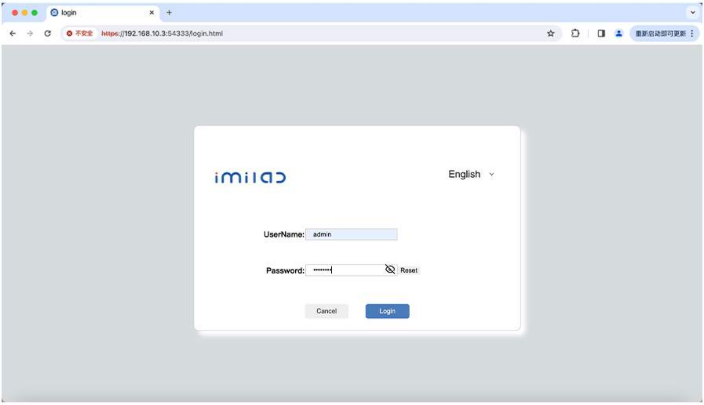
Online devices	Up/down speed	IP/MAC address	Online duration	Internet access allowed	Speed limit Settings
2.4G anonymous	↑ 50kbps ↓ 112kbps	192.168.10.4 2A:E4:53:5E:67:16	4 minutes	●	↑ No speed limit ↓ No speed limit
有线 TL-NVR610 6C-W20 1.0	↑ 0kbps ↓ 0kbps	192.168.10.2 68:DD:B7:82:2B:10	0 minutes	●	↑ No speed limit ↓ No speed limit
有线 anonymous	↑ 1kbps ↓ 1kbps	192.168.10.3 78:DF:72:52:74:37	6 minutes	●	↑ No speed limit ↓ No speed limit
2.4G caoyiyaeMB P2060	↑ 27kbps ↓ 107kbps	192.168.10.5 38:F9:D3:DC:D6:52	3 minutes	(oneself)	↑ No speed limit ↓ No speed limit

3. Open your computer's browser and type 'https://<your

obtained IP address>:54333' in the URL bar, then press enter. For example, if your obtained IP address is 192. 168.10.3, then you should enter the following:


https://192.168.10.3:54333
IP address of IMILAB EC6 Dual

4. Based on the URL you enter, you will be directed to the password settings page. Set your password and click [Next].


login
不安全
重新启动即可更新
English

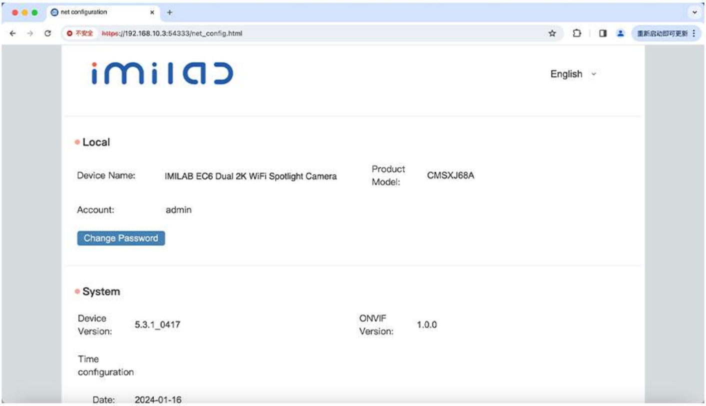
https://192.168.10.3:54333/login.html

UserName: admin

Password: ••••••••

Reset
Cancel
Login

5. When the page below appears, it indicates that the IMILAB EC6 Dual has activated its Onvif functions.


net configuration
不安全
https://192.168.10.3:54333/net_config.html
重新启动即可更新
imilab
English
Change Password

Local

Device Name: IMILAB EC6 Dual 2K WiFi Spotlight Camera

Product Model: CMSXJ68A

Account: admin

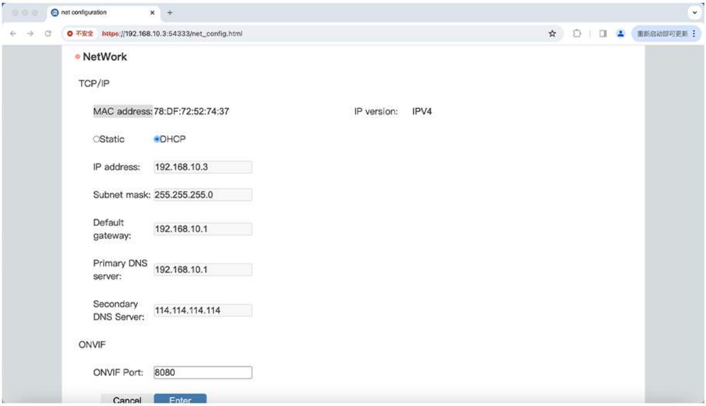
System

Device Version: 5.3.1_0417

ONVIF Version: 1.0.0

Time configuration

Date: 2024-01-16


net configuration
不安全
https://192.168.10.3:54333/net_config.html
重新启动即可更新
Cancel
Enter

NetWork

TCP/IP

MAC address: 78:DF:72:52:74:37

IP version: IPV4

○Static ●DHCP

IP address: 192.168.10.3

Subnet mask: 255.255.255.0

Default gateway: 192.168.10.1

Primary DNS server: 192.168.10.1

Secondary DNS Server: 114.114.114.114

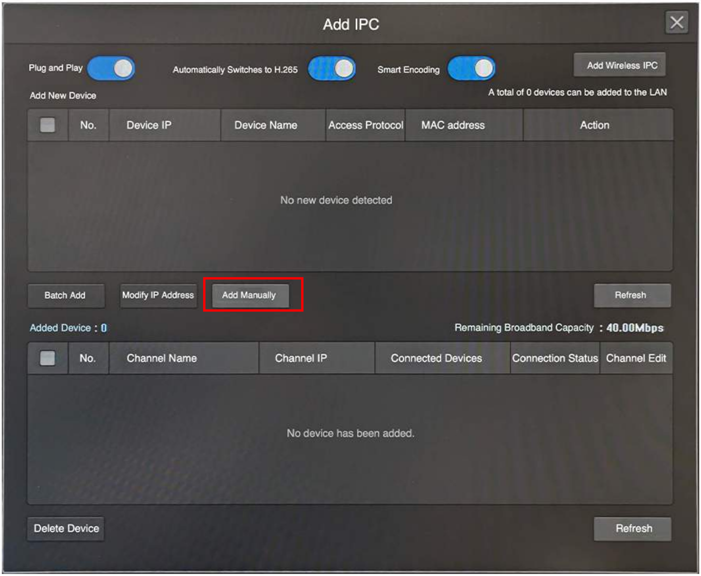
ONVIF

ONVIF Port: 8080

6. Next, you need to bind the NVR device. Although the configuration interfaces of different NVR brands might vary, the main process is similar. You can follow this

tutorial to proceed. In this guide, we're using a TP-Link NVR device as an example.

7. The two cameras of IMILAB EC6 Dual must be linked to the NVR device individually. First, we'll connect the lower camera. Open the NVR device and enter the management interface. Click [Add manually] and select [ONVIF] in the control protocol. The device, added through the ONVIF protocol, will automatically obtain the master sub-stream address. Then, enter the [username] and [password] set in step 4, and finally click [Add].



A total of 0 devices can be added to the LAN

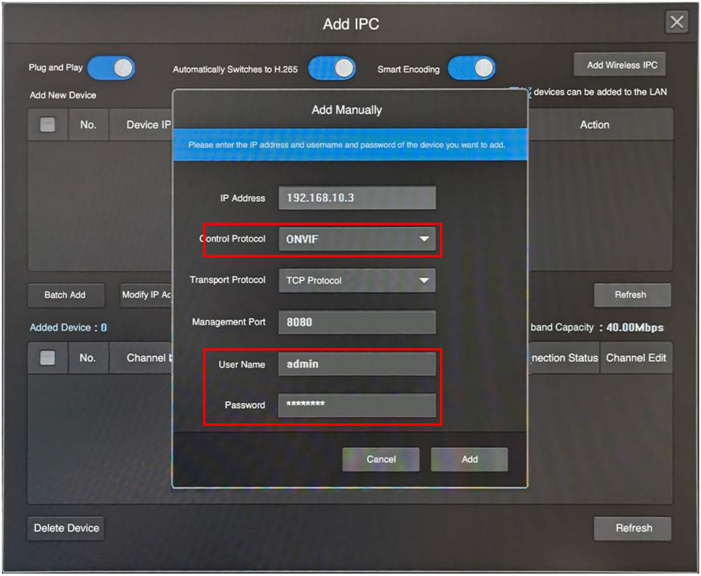
No new device detected

Added Device : 0

Remaining Broadband Capacity : 40.00Mbps

No device has been added.

Add IPC
Plug and Play
Automatically Switches to H.265
Smart Encoding
Add Wireless IPC
Add New Device
No.
Device IP
Device Name
Access Protocol
MAC address
Action
Batch Add
Modify IP Address
Add Manually
Refresh
No.
Channel Name
Channel IP
Connected Devices
Connection Status
Channel Edit
Delete Device
Refresh


Add IPC
Plug and Play
Automatically Switches to H.265
Smart Encoding
Add Wireless IPC
Add New Device
devices can be added to the LAN
No.
Device IP
Action
Batch Add
Modify IP Ad
Refresh
Added Device : 0
band Capacity : 40.00Mbps
No.
Channel
nection Status
Channel Edit
Delete Device
Refresh
Add Manually
Cancel
Add

Please enter the IP address and username and password of the device you want to add.

IP Address: 192.168.10.3

Control Protocol: ONVIF

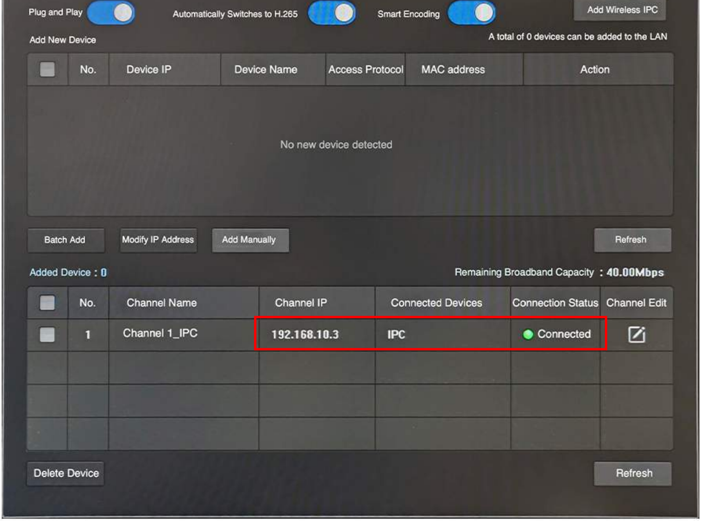
Transport Protocol: TCP Protocol

Management Port: 8080

User Name: admin

Password: ********

8. After the lower camera is added, you can find IMILAB EC6 Dual in the list of added devices according to the IP address of the device, at this time, its connection status is shown as [Connected], and the lower camera has be visible on the display.


Add Wireless IPC
Batch Add
Modify IP Address
Add Manually
Refresh
Delete Device
Refresh

Plug and Play ●
Automatically Switches to H.265 ●
Smart Encoding ●

Add New Device

A total of 0 devices can be added to the LAN

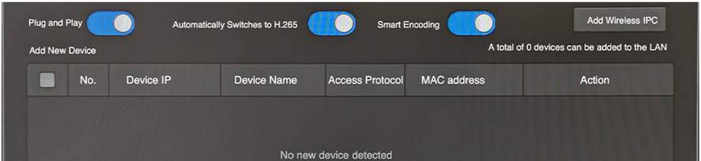
☐	No.	Device IP	Device Name	Access Protocol	MAC address	Action
No new device detected						

Added Device : 0

Remaining Broadband Capacity : 40.00Mbps

☐	No.	Channel Name	Channel IP	Connected Devices	Connection Status	Channel Edit
☐	1	Channel 1_IPC	192.168.10.3	IPC	● Connected	✎

9. To add the upper camera, go to the management interface, select [Add Manually]. Choose [RTSP] as the control protocol. Enter the [User Name] and [Password] from step 4, then click on [Manage RTSP].

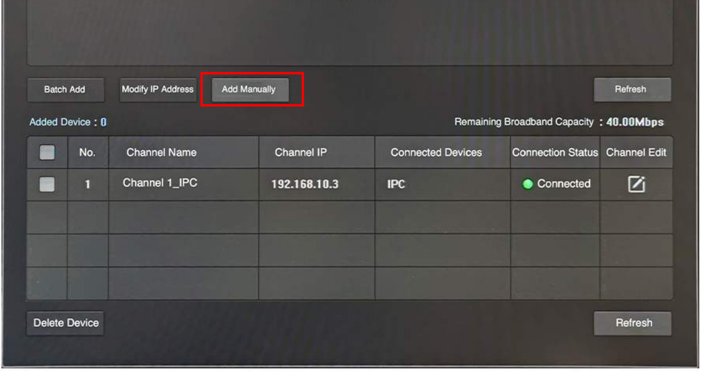

Add Wireless IPC

Plug and Play ●
Automatically Switches to H.265 ●
Smart Encoding ●

Add New Device

A total of 0 devices can be added to the LAN

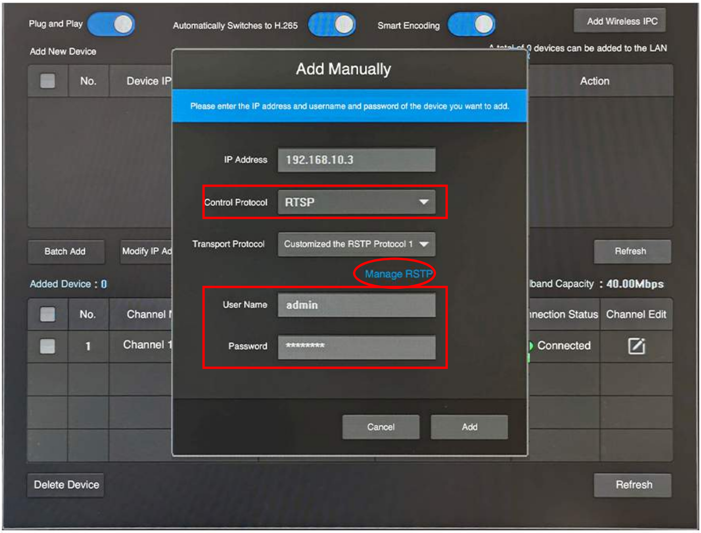
☐	No.	Device IP	Device Name	Access Protocol	MAC address	Action
No new device detected						


Batch Add
Modify IP Address
Add Manually
Refresh
Delete Device
Refresh

Added Device : 0

Remaining Broadband Capacity : 40.00Mbps

☐	No.	Channel Name	Channel IP	Connected Devices	Connection Status	Channel Edit
☐	1	Channel 1_IPC	192.168.10.3	IPC	● Connected	✎


Plug and Play
Automatically Switches to H.265
Smart Encoding
Add Wireless IPC
Add New Device
Batch Add
Refresh
Delete Device
Refresh
Cancel
Add
Manage RSTP

A total of 0 devices can be added to the LAN

Added Device : 0

Add Manually

Please enter the IP address and username and password of the device you want to add.

IP Address: 192.168.10.3

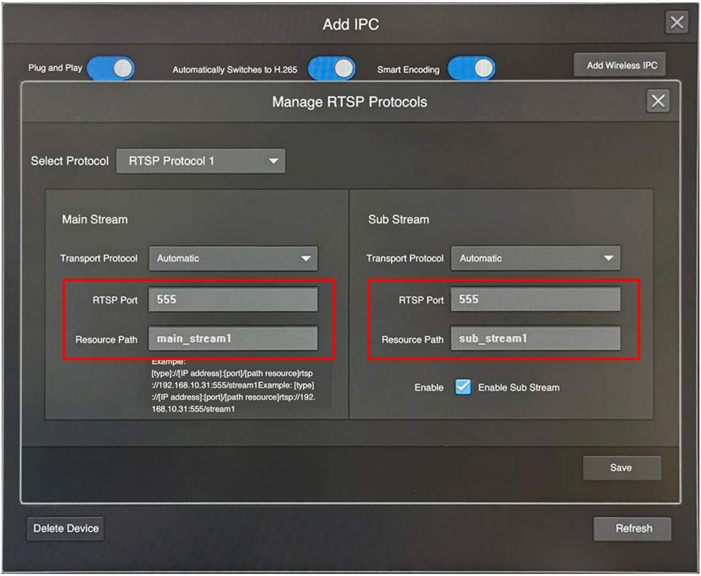
Control Protocol: RTSP

Transport Protocol: Customized the RSTP Protocol 1

User Name: admin

Password: *********

10. Fill in [RTSP Port] and [Resource Path] in the main stream and sub stream respectively, and then click [Save].


Add IPC
Add Wireless IPC
Manage RTSP Protocols
Main Stream
Sub Stream
Save
Delete Device
Refresh

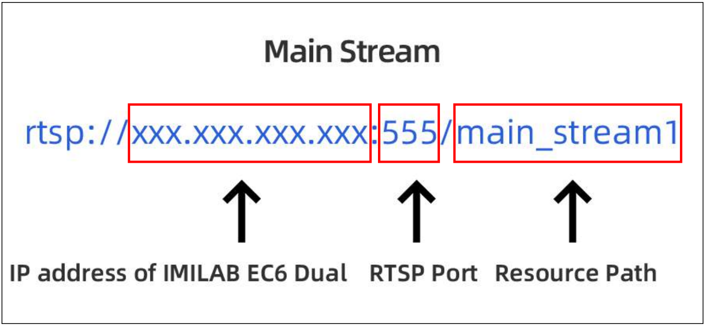
Plug and Play ●
Automatically Switches to H.265 ●
Smart Encoding ●

Select Protocol: RTSP Protocol 1

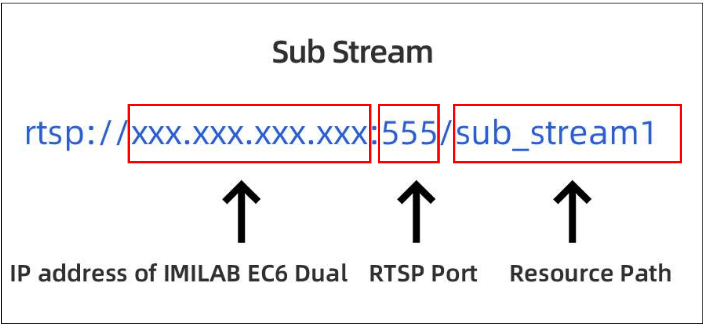
Main Stream
Transport Protocol: Automatic
RTSP Port: 555
Resource Path: main_stream1
Example: [type]://[IP address]:[port]/[path resource]rtsp://192.168.10.31:555/stream1Example: [type]://[IP address]:[port]/[path resource]rtsp://192.168.10.31:555/stream1

Sub Stream
Transport Protocol: Automatic
RTSP Port: 555
Resource Path: sub_stream1
Enable ☑ Enable Sub Stream

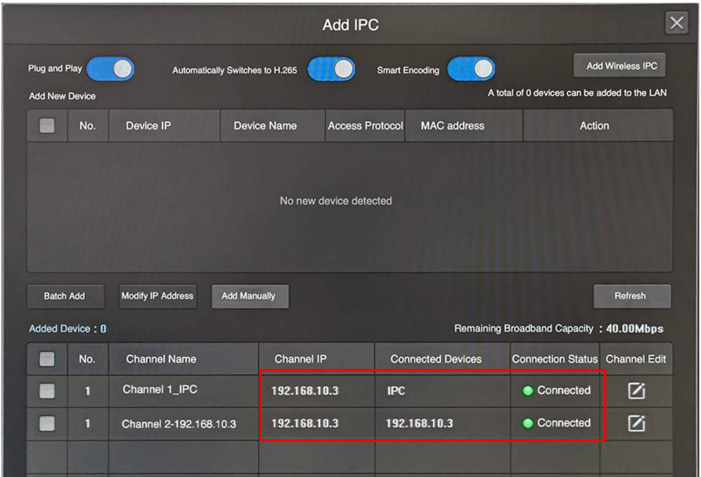
For completion, please adhere to the following style:


Main Stream
IP address of IMILAB EC6 Dual
RTSP Port
Resource Path

rtsp://xxx.xxx.xxx.xxx:555/main_stream1


Sub Stream
rtsp://xxx.xxx.xxx.xxx:555/sub_stream1
IP address of IMILAB EC6 Dual
RTSP Port
Resource Path

11. After the upper camera is added, you can find IMILAB EC6 Dual in the list of added devices according to the IP address of the device, at this time, its connection status is shown as [Connected], and the upper camera has be visible on the display.


Add IPC
Add Wireless IPC
Batch Add
Modify IP Address
Add Manually
Refresh

Plug and Play ●
Automatically Switches to H.265 ●
Smart Encoding ●

Add New Device

A total of 0 devices can be added to the LAN

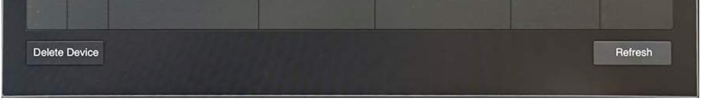
☐	No.	Device IP	Device Name	Access Protocol	MAC address	Action

No new device detected

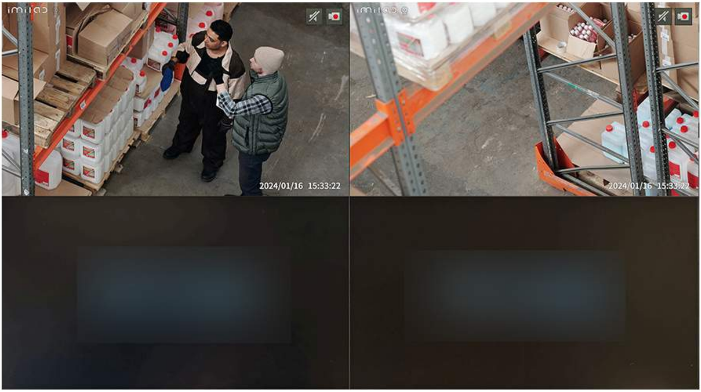
Added Device : 0

Remaining Broadband Capacity : 40.00Mbps

☐	No.	Channel Name	Channel IP	Connected Devices	Connection Status	Channel Edit
☐	1	Channel 1_IPC	192.168.10.3	IPC	● Connected	✎
☐	1	Channel 2-192.168.10.3	192.168.10.3	192.168.10.3	● Connected	✎


Delete Device
Refresh

12. Now you can see the two live views from the IMILAB EC6 Dual on the display, and you can control the angle of one of the lower camera view.


imilab
2024/01/16 15:33:22
imilab
2024/01/16 15:33:22

If you encounter any issues while binding the NVR device, feel free to contact us via email at help@imilab.com.