QIG

IP CAMERA

AIRLIVE
TECHNOLOGY CORP

1 Connecting the camera to system (reference only)

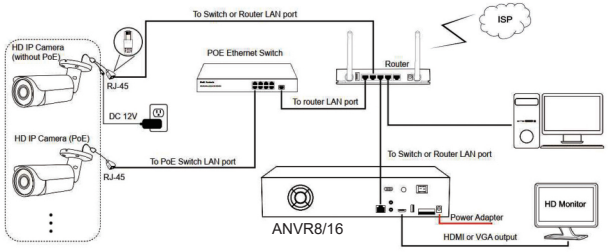


Figure:1

Note:

1. To power on the camera, a PoE switch is used, when a PoE switch is not available or the camera is connected direct to a Router. Then the DC 12V Input of the camera can be used. (By default, the camera comes without power adapter).

2. Camera connections:

Note: **Only** model BU-640MAI and VD-640MAI will have the Audio IN/OUT, DIDO and Reset Button (Figure 2). All other models will only have the PoE RJ-45 connector and the DC 12V input (Figure 3).

Figure:2

Figure:3

3. MicroSD Card slot: **Only** model BU-640MAI and VD-640MAI support a MicroSD card with a max capacity of 256GB. For the BU-640MAI the SD slot is on the back of the camera marked MicroSD Slot. For the VD-640MAI the dome cover has to be removed to access the MicroSD slot.

4. Connect the Waterproof O-ring.

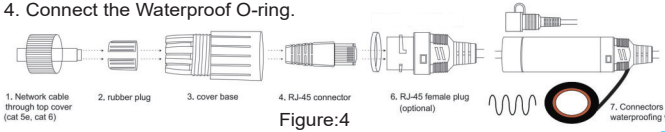


Figure:4

2 Modifying the camera's IP address

Default: DHCP IP address: 192.168.0.123 , Username: admin, Password: 123456

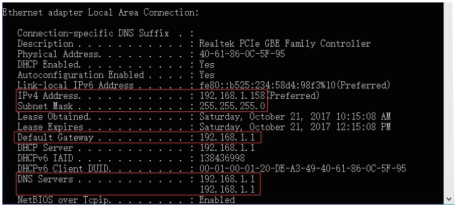
(We strongly recommend modifying the default password for your security).

1. Each IP camera has DHCP enabled in the first 24 hours uptime.
2. After then camera will change itself to static IP address automatically to keep the address allocation stable.
3. If router or DHCP server connected in the LAN, cameras can get the correct IP address quickly.
4. Run searchtool or NVR to find and add the IP camera to security system.

Manually static IP addressing

Before modifying the IP address you'd better confirm the IP network planning and avoid IP address conflict.

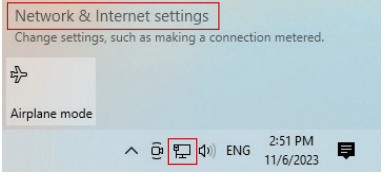
Steps on Local Area Windows 10 PC : **Search Windows -> cmd -> ipconfig /all**



Now you can get all the local network information.

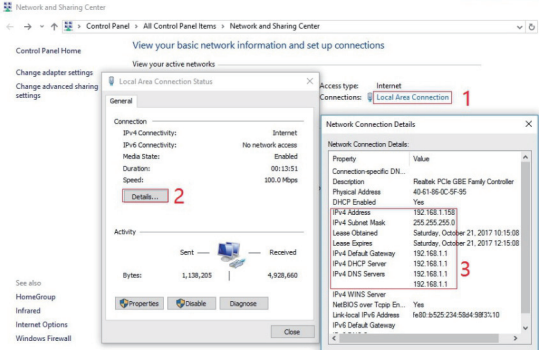
IPv4 Address: 192.168.1.?
Subnet Mask: 255.255.255.0
Default gateway: 192.168.1.1
DNS Servers: 192.168.1.1

Note： you can also find out the LAN configuration via Windows GUI



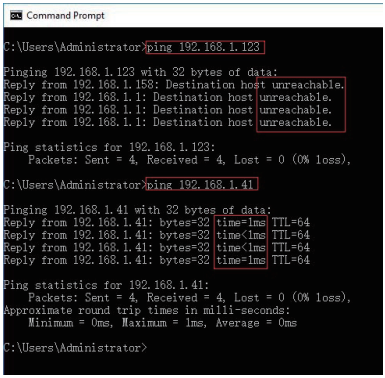
2 Modifying the camera's IP address

Right-click on the Network icon and select **open Network and Sharing Center.**



If the camera is installed to work with the local switch or router directly, the camera IP range should be 192.168.1.x (x=2-254). To void IP conflict, you should test and select an unoccupied IP like this:

Command Prompt ping test

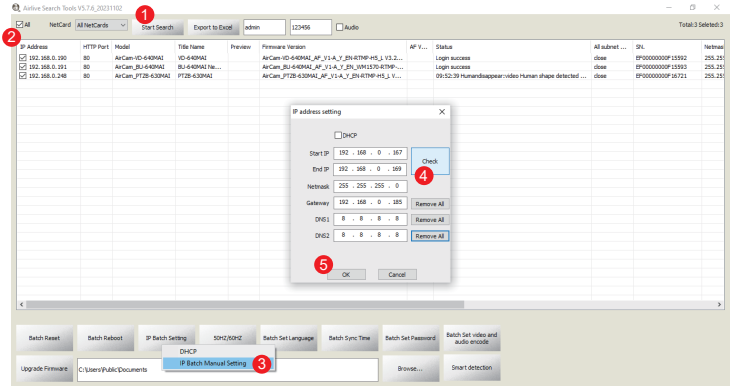


Only when reply unreachable that means the IP address is no conflict and available, otherwise when you see time reply do not use this IP address.

There are three methods to modify the camera IP configuration, Search tool, PC Client software and Internet Explorer.

3 Using Device Search Tool

To download the AirLive SearchTools visit
www.airlive.com/download
and select your IP Camera software.

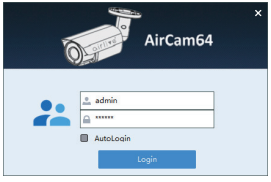


Click **Start Search** and all your cameras in the LAN will be listed. Modify IP address to suit the LAN's IP scheme.
1) Click the **ALL** check-box then click "IP Batch Manual Setting".
2) Click **Check** to verify IP address configuration and click **OK** to save.
it's user-friendly that the search tool can read the computer Network IP address and calculate the camera quantity to match the range of Start IP and End IP.

Tips:
Reset Password ->**Restore default settings;**
Video Preview -> Click **Preview** buttons;
Firmware upgrade -> Select the check-box, click **Browse** then click **Upgrade Firmware**.

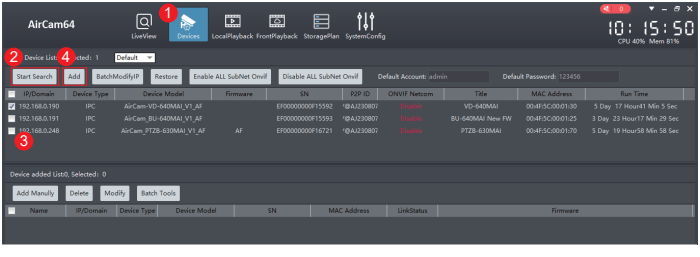
4 Using AirCam64 client software for Windows PC

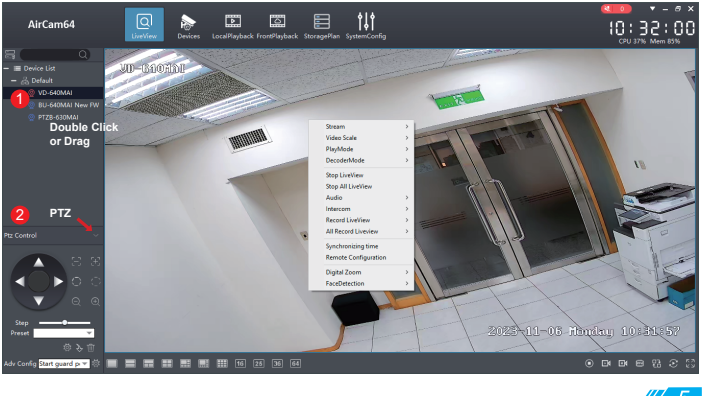
(Default user name: admin, Password: 123456)



To download AirLive AirCam64 visit **www.airlive.com/download** and select your IP Camera software.

Go to the Devices Config and click Start search, all the camera in the LAN will be listed.

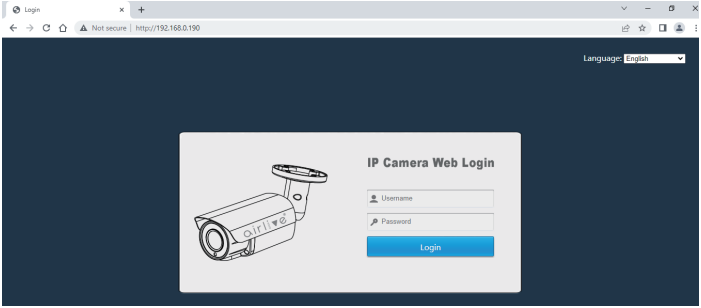




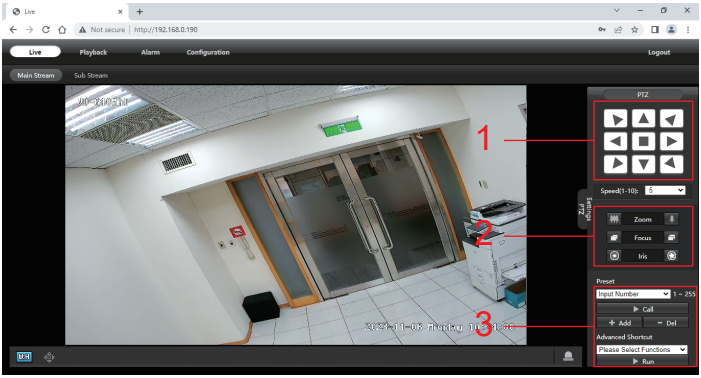
To access the camera's web interface, type in the IP camera's IP address in Internet Browsers URL bar to gain access to the login page. Please modify IP address to the same subnet if login page can not load.

(Default user name: admin, Password: 123456)

Edge,Chrome,Firefox,Safari will work via HTML5 without active-x plugin



From the login page, select your familiar language, then log in with the username and password.



Working with Internet Browser

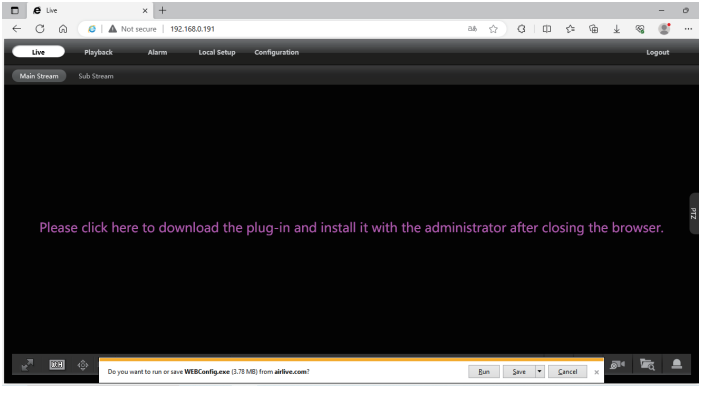
1. **Rotation direction control –** Left/Right horizontal rotation. Up/Down vertical rotation. Rotation speed can be adjusted. Rotation control is only for Camera models that support PAN/TILT.

2. **Motorized zoom lens control –** camera can do optical **Zoom In** and **Zoom Out.**

3. **Preset --** to remember a position, input a number and click **Add.** Then you can directly go back via call the number. Delete a preset: input a number and click **Del.**
Preset P/T is only for Camera models that support PAN/TILT.

4. Keeping pressing on live video and dragging for **Digital Zoom.** If there is a delay in video response when accessing remotely, please switch to Sub Stream instead. To learn the function of each button, just put the mouse on, it will show screen tips.

Internet Explorer: When using Internet Explorer, an Active-X plugin needs to be installed.
Using Chrome or Edge browsers is preferred as no plugin is needed.



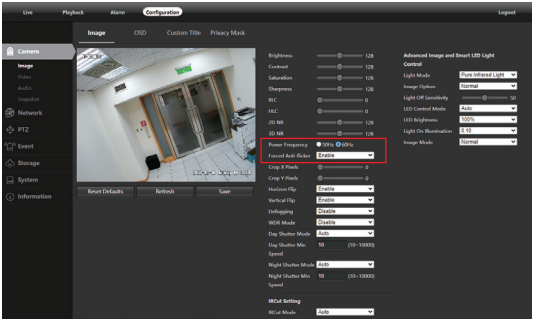
Install **Web Plug-in** when red line characters prompted. You may have to download **WEBConfig.exe** and run it as administrator.

After installation, restart or refresh your web browser and access the IP again. The live video will start automatically after login successfully.

1) Power System frequency configuration (**50Hz/60Hz**)

➢ **Configuration > Camera > Image > Power Frequency**

To avoid the video flicker, the camera should be set to right working frequency to suit the country electric system. The countries that use 60Hz have USA, Canada, Japan, Korea, Taiwan, Brazil, Philippines, Mexico. Other countries apply 50Hz.

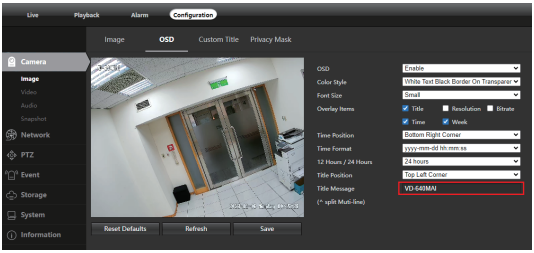


Fluorescent lamp flicker problem:

1. Make sure Power Frequency is suitable for your local power system.
2. Try enable Forced Anti-flicker.
3. Try adjust video encode fps to multiple of three (30/24/15).

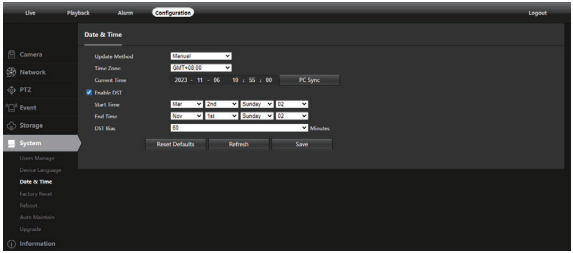
2) To modify the camera Title name and Time & Date

➢ **Configuration > Camera > Image > OSD > Title Message**



➢ **Configuration > System > Time setup**

There are two time update modes available, **Manual** and **NTP.**

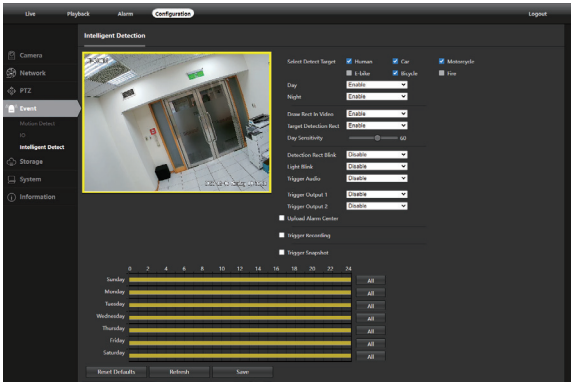


a. Select your Time Zone, and click PC Sync. Set up your DST (Daylight Savings Time) if needed , click Save. (Time and date will reset to 2000-01-01 if camera restarts)

b. If the camera is connected to the Internet, you can set up a NTP server for the camera to sync the time and date automatically.

3) To enable Motion Detection Alarm

➢ **Configuration > Event > Intelligent Detection**



Intelligent Detection has the higer priority than Motion Detection. To use the Motion pls disable the day and night defense in Intelligent Detection.

DIDO function is only for model BU-640MAI and VD-640MAI.

When Motion is detected，there is a small alarm light pup up beside the Alarm menu. You can also setup an email address or FTP storage server to receive the motion snapshot. (Trigger recording will work only if memory card or NFS NAS connected.)

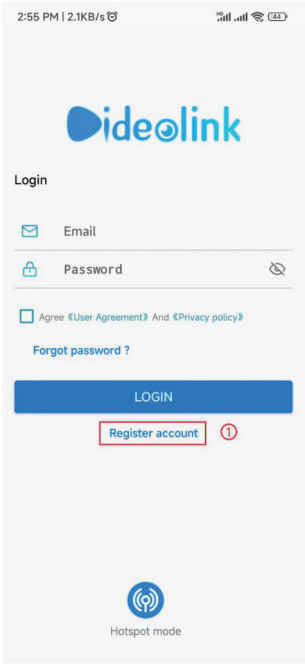
Working with Mobile Device

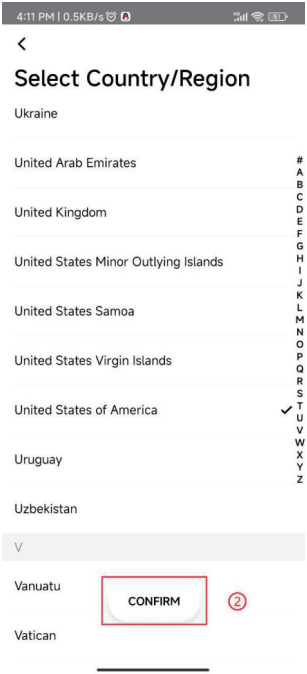
Search and download "**VideoLink**" in Apple App Store or Google Play Store.

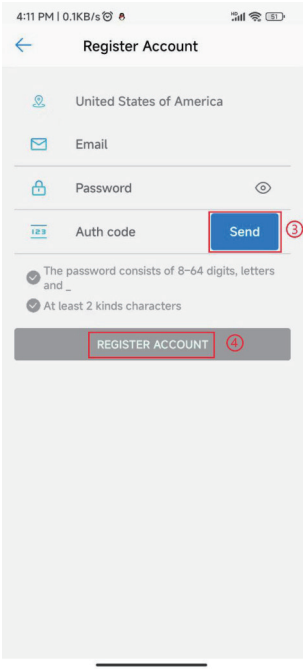
iPhone

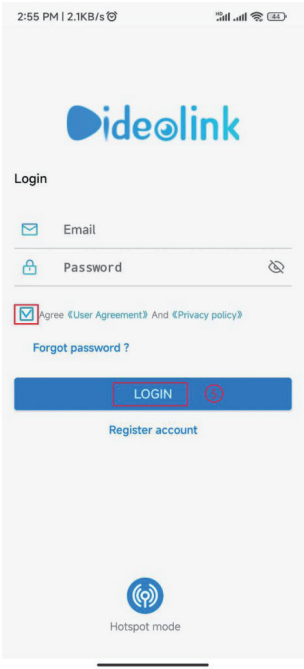
Android

1. Register an new account
2. Select your country or region

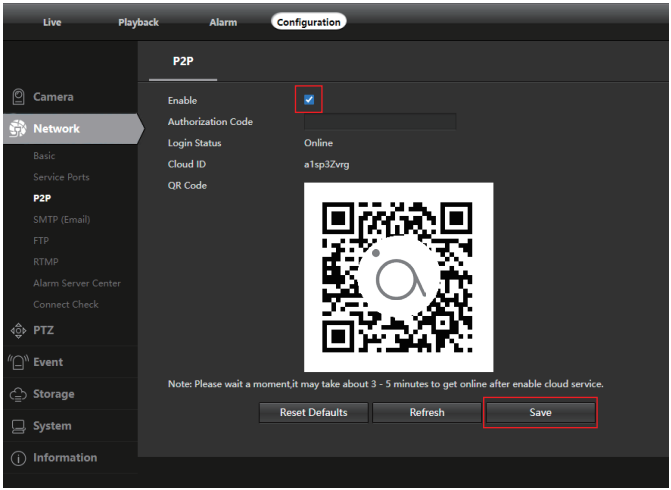

2:55 PM | 2.1KB/s
Login
Email
Password
Agree《User Agreement》And《Privacy policy》
Forgot password ?
LOGIN
Register account
①
Hotspot mode


4:11 PM | 0.5KB/s
Select Country/Region
Ukraine
United Arab Emirates
United Kingdom
United States Minor Outlying Islands
United States Samoa
United States Virgin Islands
United States of America
Uruguay
Uzbekistan
V
Vanuatu
Vatican
CONFIRM
②
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

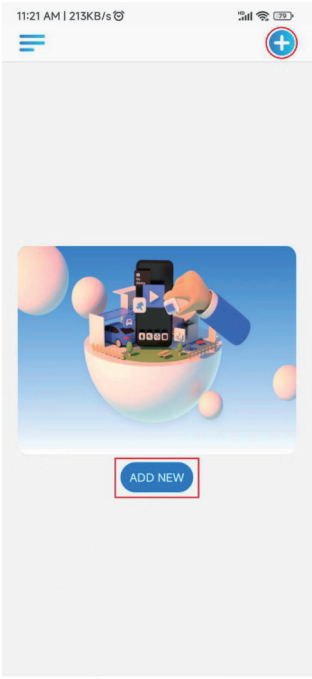


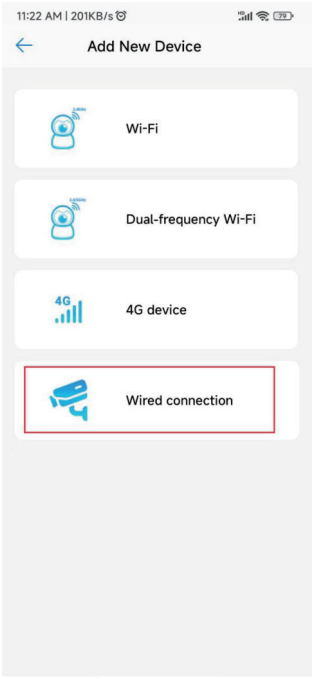


3. Input your email address and setup a password, tap **Send** to get the code by email, tap REGISTER ACCOUNT to finish registration.
4. Login with the email and password registered in previous step.
5. Visit camera web interface, enable P2P function. After a while it will show the QR code.

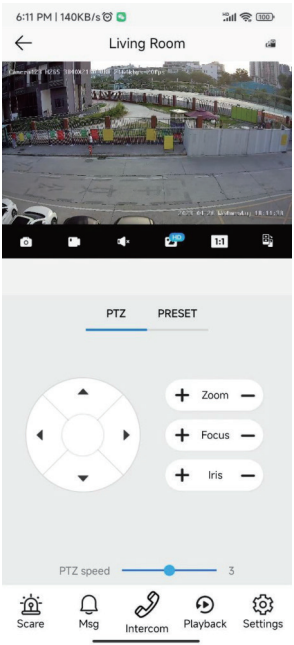


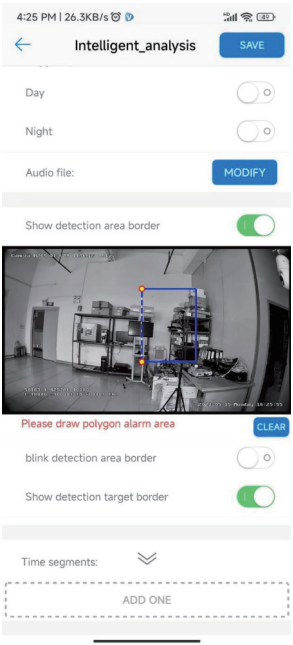
6. Tap **+** or **ADD NEW** and select last menu **Wired Connection** to scan the camera QR code to add the camera. (Please select the correct option depending on your device.)



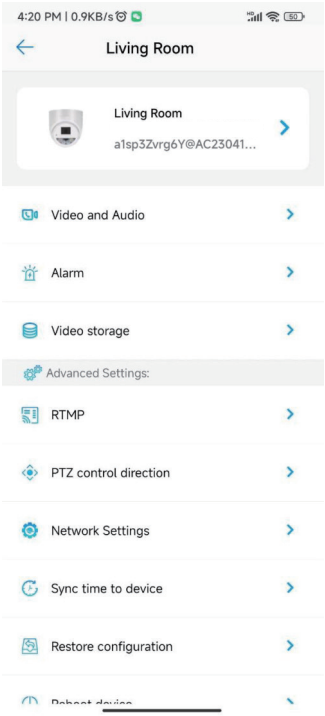


7. Tap device list to start live preview

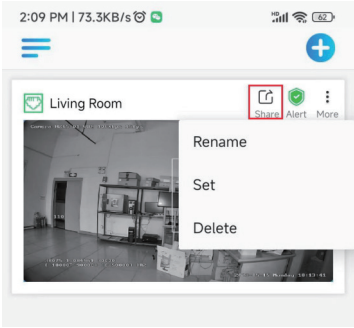


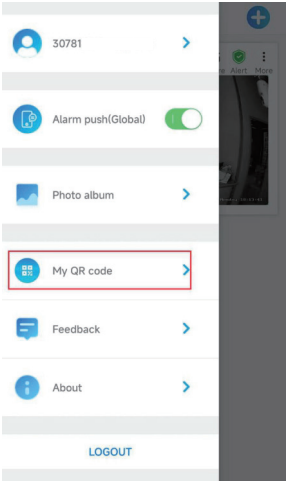


Scare: trigger camera alarm
Msg: check the event list
Intercom: start two-way audio talking
Playback: lookup the TF memory video
Settings: change camera parameters
PTZ: move or zoom the camera



8. Share the camera to your family and friends



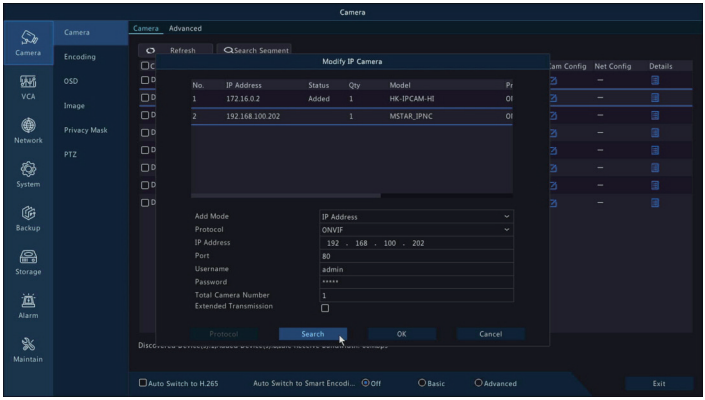


Scan your family or friends account QR code.

Note: if you cannot connect the camera, please check your Internet connection and verify the IP address, gateway, and DNS setting in the camera. The Cloud login status should be **online,** which means the camera has registered to the cloud server. You may also want to connect your phone to WiFi for better performance.

The IP camera supports standard ONVIF protocol and it can be added to third-party video recorder. Some of the models support both H.264 and H.265 encode mode. The H.265 encode cameras can compress the video data to a very low bit rates which allows more video data storage than normal H.264 camera. Only configure the camera to H.265 mode when your NVR supports H.265 mode

Before pairing cameras to the NVR, make sure the NVR and cameras have valid and matching IP scheme.



Note: Some of the PoE NVR supports **Plug & play,** which allows you to get video without manually search and add. if **Plug & play** feature is not available or not compatible, please follow the NVR manual steps and select **ONVIF** protocol as the paring protocol. *(camera default password: 123456)*

If the POE NVR can not discover the connected camera or can not display the camera video, please check it's internal POE interface IP configuration and make sure all connected cameras and NVR POE interface are in the same subnet schema. For more help please contact the both NVR and IP camera suppliers for technical assistance.

Frequently Asked Questions

1. Why can't I open the default IP address 192.168.0.123 via web browser?

Check your computer's IP address before accessing the camera. If the IP address does not match the 192.168.0.x scheme, please install the IP search tool from the CD to modify the camera's IP address. Make sure the IP address of the camera matches the LAN IP scheme. For example, if the LAN is 192.168.1.xxx, then set the IP camera to 192.168.1.123 and so on.

2. How to reset the password?

The default Username: admin, Password: 123456. If you lost the password or would to reset the camera's setting, please install the search tool to search the camera IP and click Reset factory button.

3. How to upgrade the IP camera?

1) Ask the supplier for the suitable firmware
2) you can use the web browser, search tool, or PC client to upgrade the camera
3) go to the Configuration > System > update, click browse and select the firmware, then click Upgrade button and wait for the operation to complete.

4. How to fetch the RTSP video stream and http snapshot?

1) Main Stream: rtsp://IP:554/h264?username=admin&password=123456
2) Sub Stream: rtsp://IP:554/h264cif?username=admin&password=123456
3) low resolution snapshot: http://IP/cgi-bin/snapshot.cgi?stream=1
4) HD snapshot : http://IP/cgi-bin/snapshot.cgi?stream=0 (only some models)

5. Why does the NVR not show image after adding your IP camera?

1) Make sure you selected the right protocol and enter the correct username and password when adding the cameras,
2) Make sure the NVR and IP camera are the same IP scheme.(eg. NVR:192.168.1.x, and IP camera:192.168.1.y),
3) try changing the camera encode mode to H.264 if the NVR can't support H.265. (Configuration -> Camera -> Video > Encode mode: H.264)

6. How to make the NVR record in motion detection mode?

1) Enable the IP camera motion detection function via web browser or Search configure tool,
2) add the IP camera via ONVIF protocol,
3) change the NVR record mode to Motion Detection mode,
4) check the NVR screen MD icon and try playback. Please refer to your NVR manual for NVR motion record option.

7. Where can i control the motorized auto focus lens zoom?

1) Using the camera's web interface;
2) Control by PC client software Aircam64;
3) Roll the mouse wheel at the search tool preview window;
4) Find the PTZ menu in your NVR to control lens zoom.