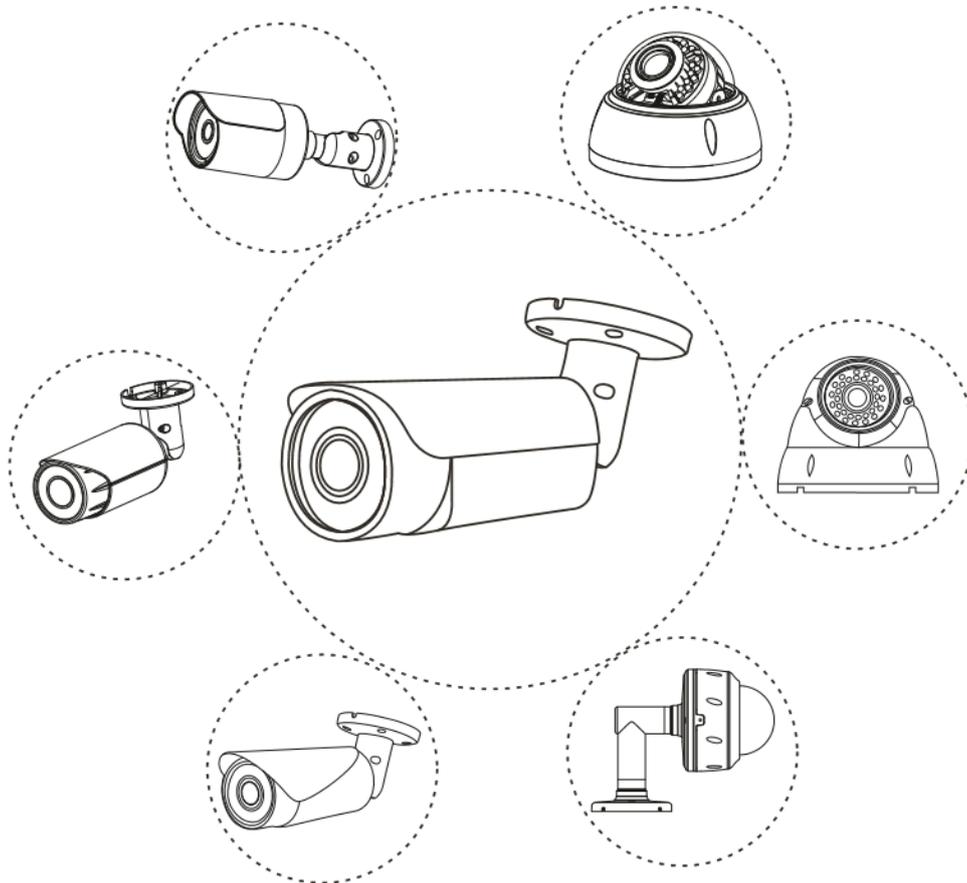


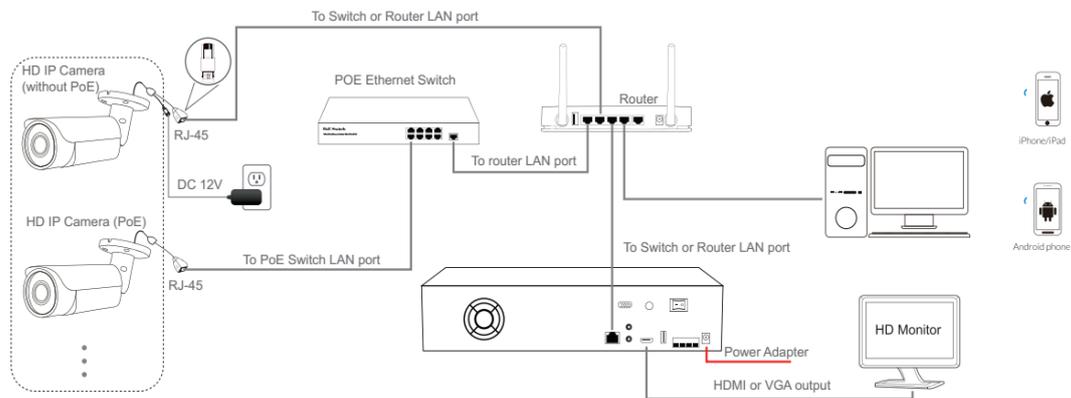
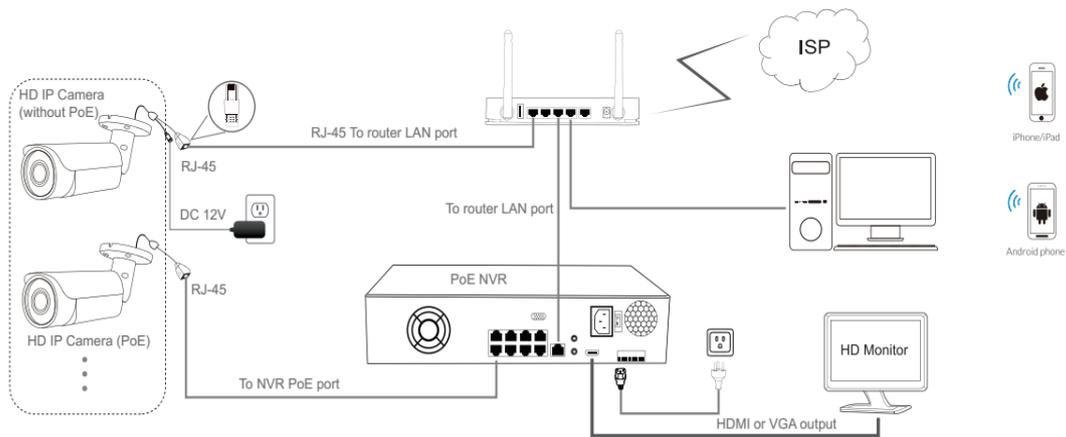


HD IP CAMERA USER GUIDE



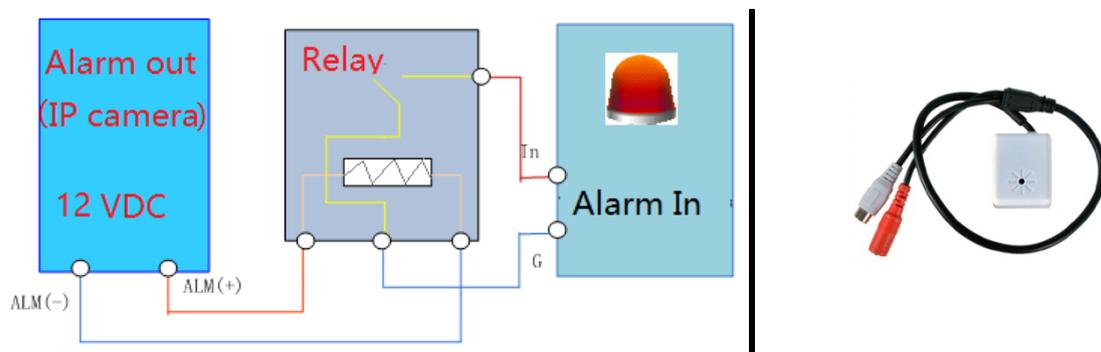
Disclaimer: GW Security makes the best effort to verify the integrity and correctness of the contents in this document, but no formal guarantee shall be provided. Use of this document and the subsequent results shall be entirely on the user's own responsibility. GW Security reserves the right to change the contents of this document without prior notice.

System Topology (reference only)



Note:

1. The camera has an OPTIONAL 12 volt power supply plug if you do not use PoE (Power over Ethernet).
2. For full functions camera with I/O alarm and audio, please connect the relay and sound pick-up as necessary.



Search and modify the camera's IP address

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

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

Each IP camera has the same default IP address. It is essential to change the camera's IP address via computer before using. You can install the device search tool or UC client from the CD to quickly configure the IP camera.

➤ Using Device Search Tool

IP Address	Model	SN	Mac	P2P ID	Version number	State	Running t:
<input type="checkbox"/> 192.168.1.40	NVS-IPCAM-HC200...	0600000014873FF	00:06:00:01:48:73	7E31177D4F7...	HC200C_AF_Y_EN_L V2.3.1 build 2016-12-07...	11:18:21 Alarm:motion...	1 Day1 Ho
<input type="checkbox"/> 192.168.1.37	HW-IPCAM-UC1000...	88000000000000000000	00:08:00:00:39:22	5907FED9F5	AC400L_AF_Y_EN_L V2.3.1 build 2016-12-07...	11:18:33 Alarm:motion...	1 Day2 Ho
<input type="checkbox"/> 192.168.1.202			00:06:00:01:9e:16	3B2E348DFAA...	HC200E_Y_EN_L V2.3.1 build 2016-12-08 12:...	Login success	21 Hour42
<input type="checkbox"/> 192.168.1.201			00:06:00:01:54:a9	9ED0472BA51...	HC200B_AF_Y_EN_L V2.3.1 build 2016-12-08...	Login success	18 Hour43
<input type="checkbox"/> 192.168.1.131			00:02:00:04:b7:65	D677764272F...	HE130E_Y_EN_L V2.3.1 build 2016-12-08 15:...	11:18:18 Alarm:motion...	18 Hour44
<input type="checkbox"/> 192.168.1.120			00:08:00:00:00:26	373EF80A013...	HE400L_AF_Y_EN_L V2.3.1 build 2016-12-08...	11:18:54 Alarm:motion...	19 Hour16
<input type="checkbox"/> 192.168.1.119			00:08:00:00:00:18	37183B4E29...	HE400L_AF_Y_EN_L V2.3.1 build 2016-12-08...	11:18:44 Alarm:motion...	19 Hour16
<input type="checkbox"/> 192.168.1.117			00:08:00:00:94:a3	10D812C8D1C...	HE400L_Y_EN_L V2.2.8 build 2016-09-02 16:...	Login success	3 Day23 H

- Click **Start Search** and all your cameras in the LAN will be listed. Modify IP address to suit the LAN's IP scheme. There are two modifying methods available: 1) Right click on the desired camera and choose "Modify IP address". 2) Click the **ALL** check-box then click "IP Batch Setting".
- You can also enable the camera DHCP function if there is a DHCP server available in the LAN. Most router has DHCP server built-in. *(IP address in DHCP setting may change after device restart. We do not recommend leaving the IP camera on DHCP).*

Tips:

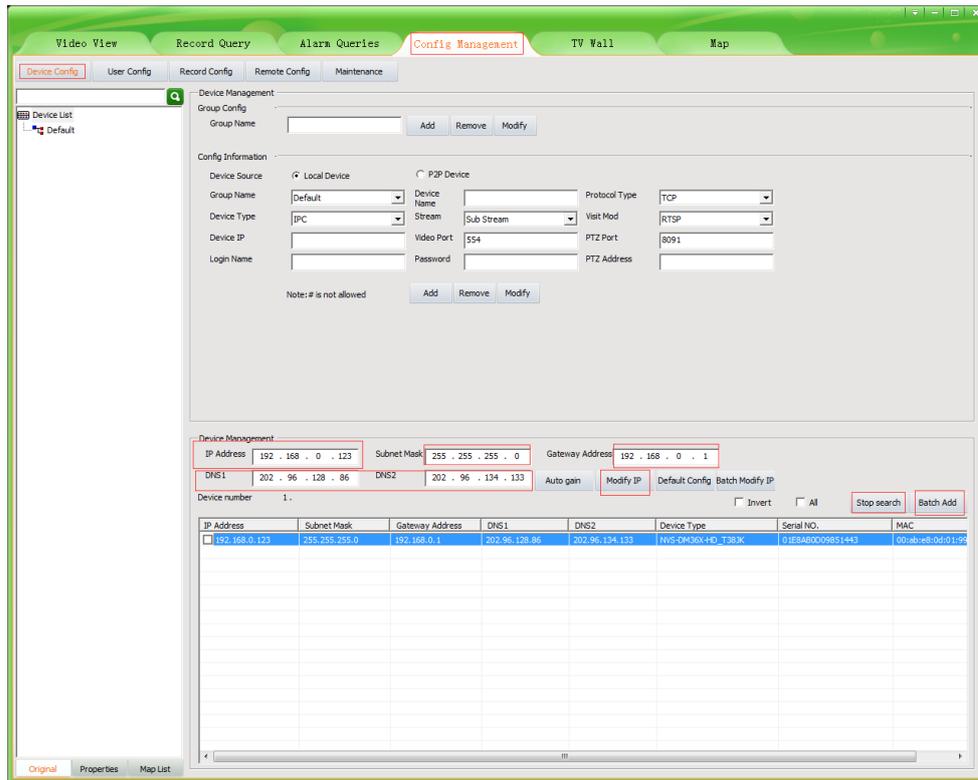
Reset Password -> **Restore default settings;**

Video full-screen -> double-click video;

Firmware upgrade -> Select the check-box, click **Browse** then click **File Upgrade**.

- To search camera by using the UC client software

(UC Client Default user name: admin, Password: 123456)

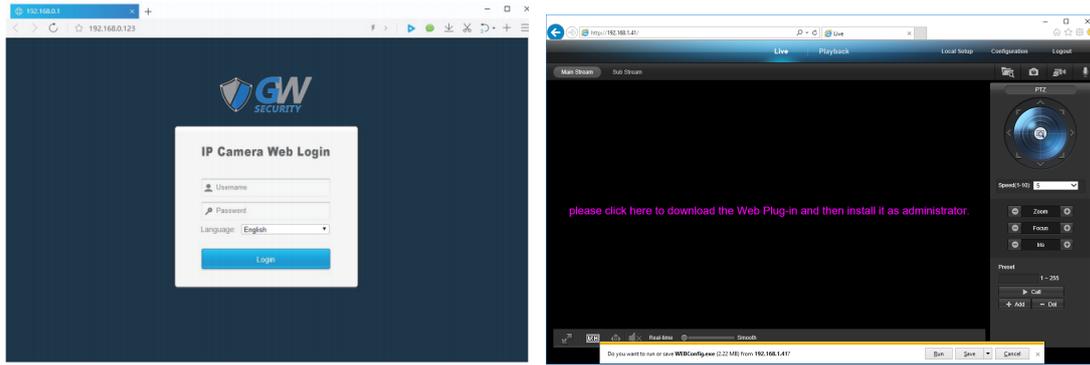


1. Go to the **Devices Config** and click **Start search**, all the camera in the LAN will be listed. Highlighting one of the camera will populate the field above. Change the parameter listed in the field and click on "Modify IP" to modify the camera's IP address. Please modify the default IP address to match your LAN's IP scheme. Note: Be careful when setting up IP addresses to not have duplicated IP as other devices in LAN.
2. After changing all the IP cameras' IP address, you can search again and add them all to the UC client. Once the cameras are added, go to the tab **Video View** and drag the camera into the split windows to start previewing the cameras.

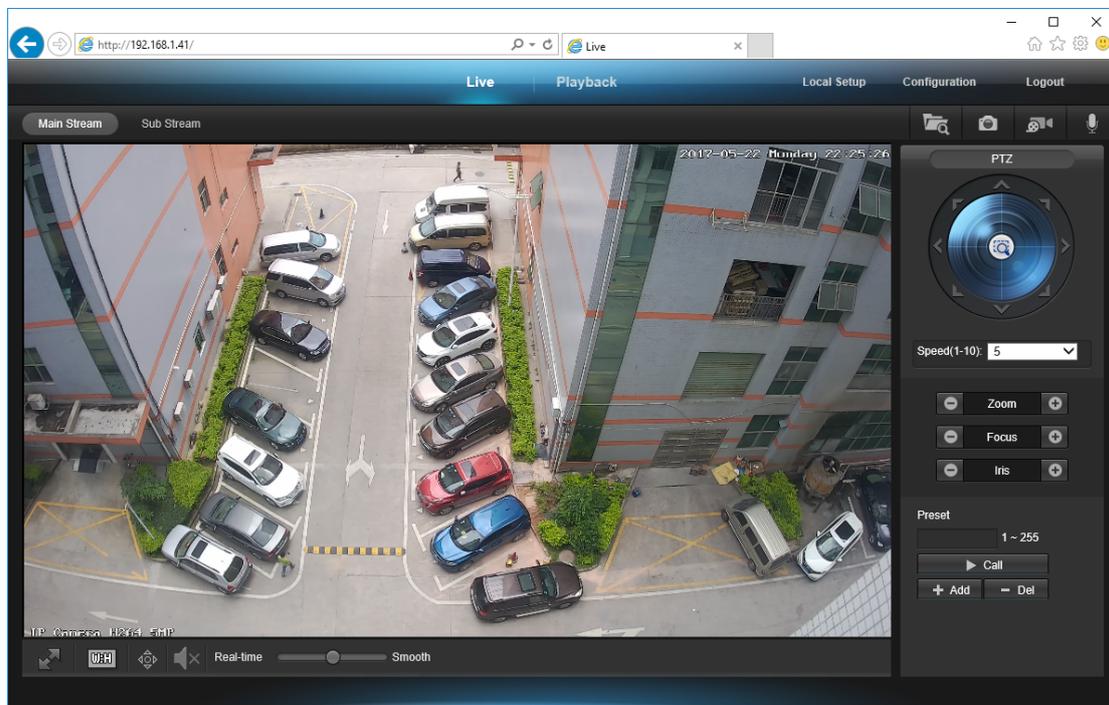
Working with Internet Explorer

To access the camera's web interface, type in the IP camera's IP address in Internet Explorer's URL bar to gain access to the login page.

(Default user name: **admin**, Password: **123456**) Firefox ESR and IE are supported.



From the login page, log in with the username and password. Click **install Web Plug-in** when prompted. You may have to download and run the executable as administrator. You can also install the Web Plug-in from the included CD. After installation, restart or refresh your web browser and access the IP again. The live video will start automatically after login successfully.



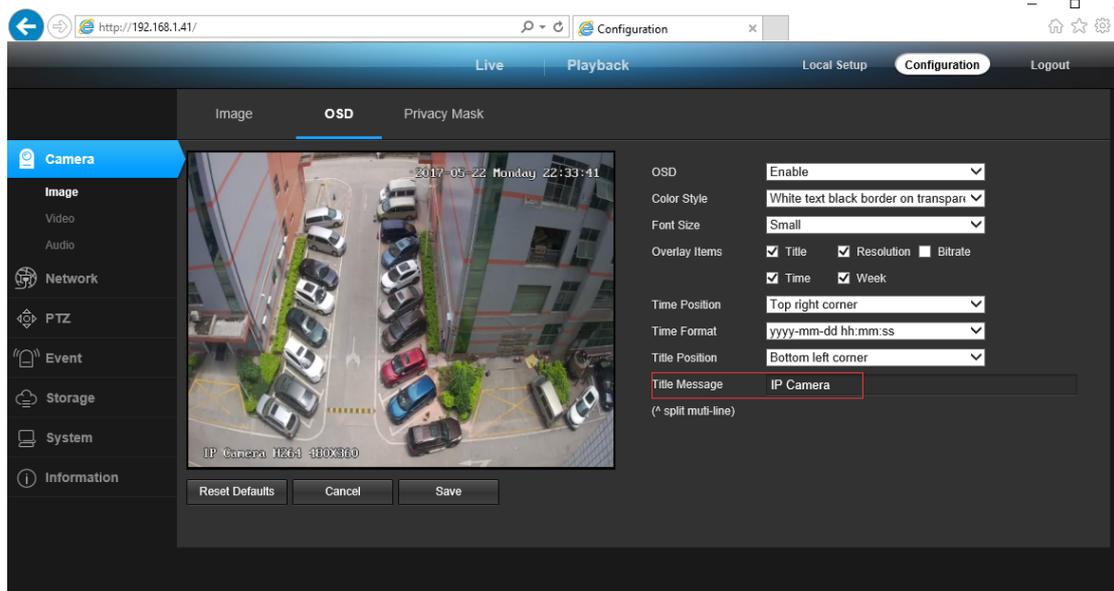
Note: Only the **Motorized Auto Focus** cameras can **Zoom In** and **Zoom Out**.

If there is a delay in video response when accessing remotely, please switch to Sub Stream instead.

General Configurations

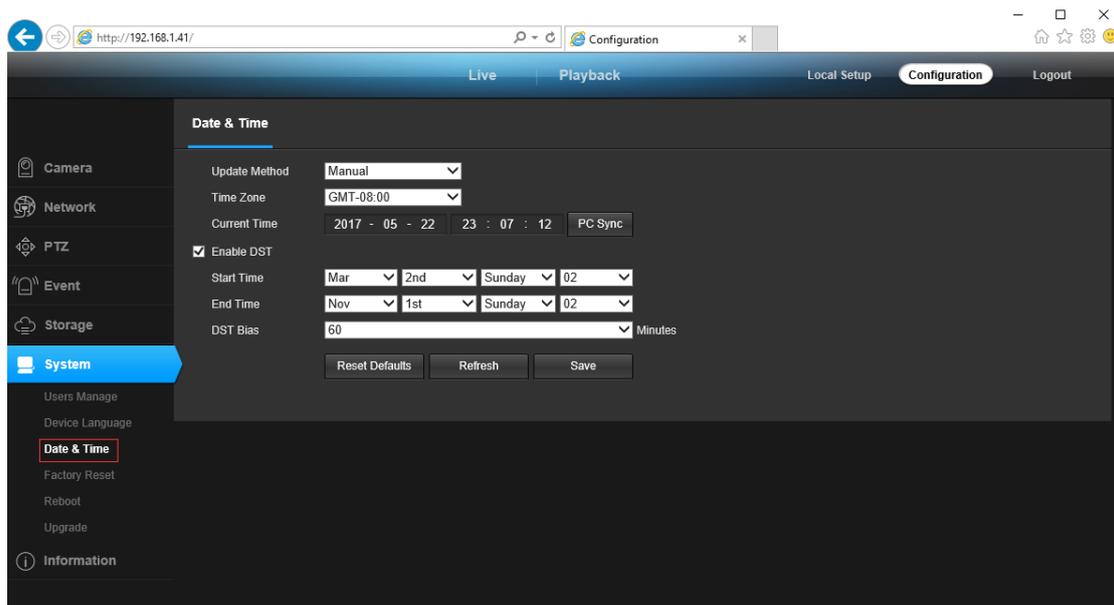
- 1) To modify the camera **Title name** and **Time & Date**
 - **Configuration > Camera > Image > OSD > Title Message**

English and Chinese characters are supported.



➤ **Configuration > System > Time setup**

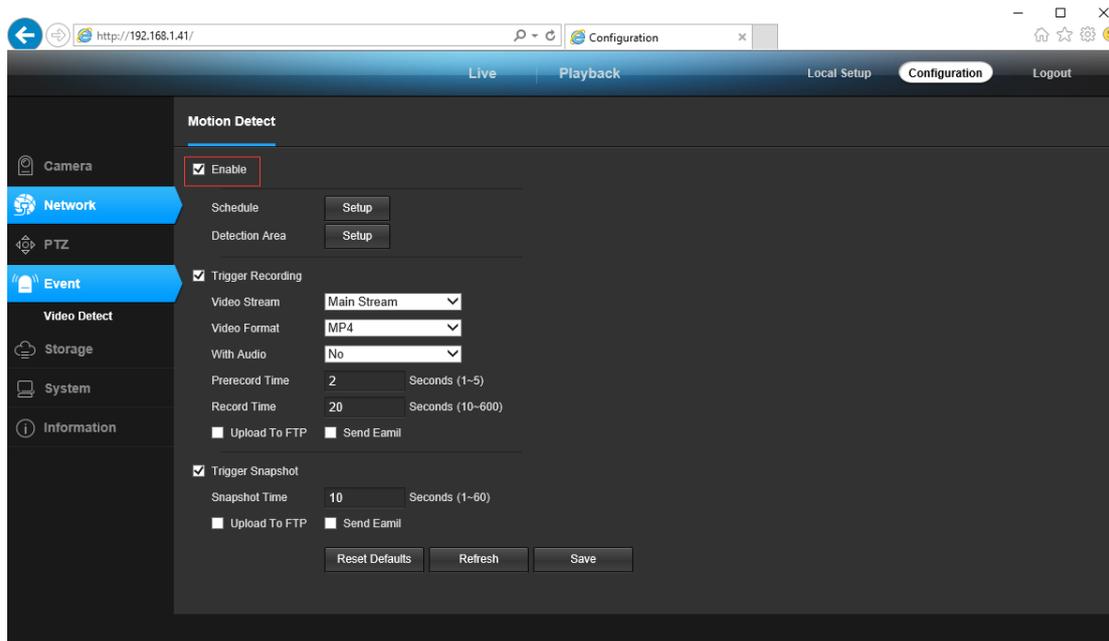
There are two time update modes available, **Manual** and **NTP**.



- 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.

2) To enable Motion Detection Alarm

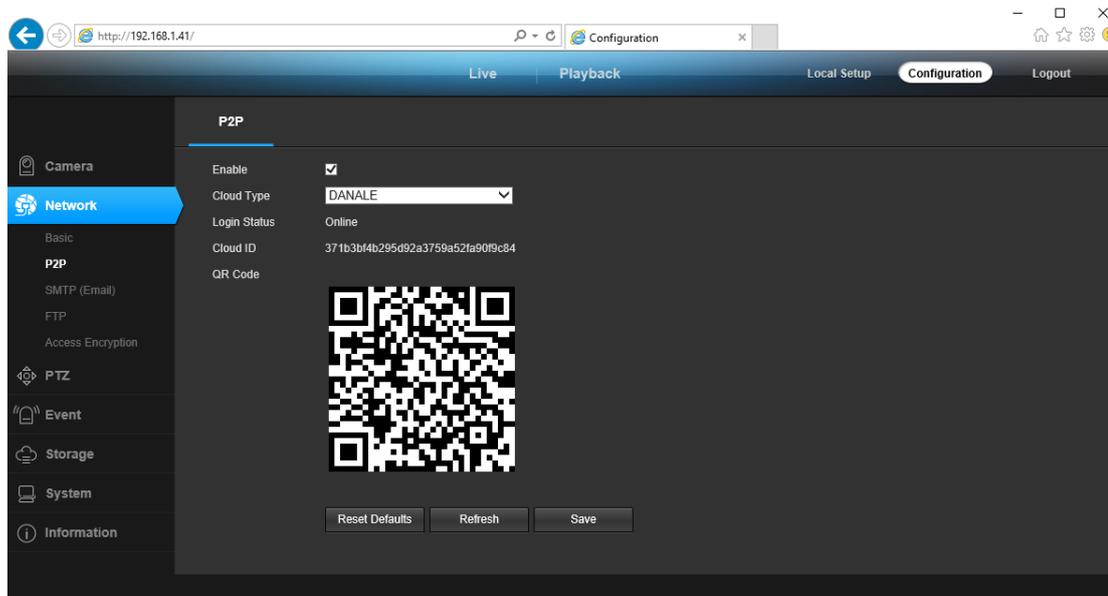
➤ **Configuration > Event > Video Detection**



When **Motion** is detected, there is a small alert pup up at the live window bottom right corner. 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.*)

3) To find the device Cloud ID and QR code for remote access

➤ **Configuration > Network > P2P**



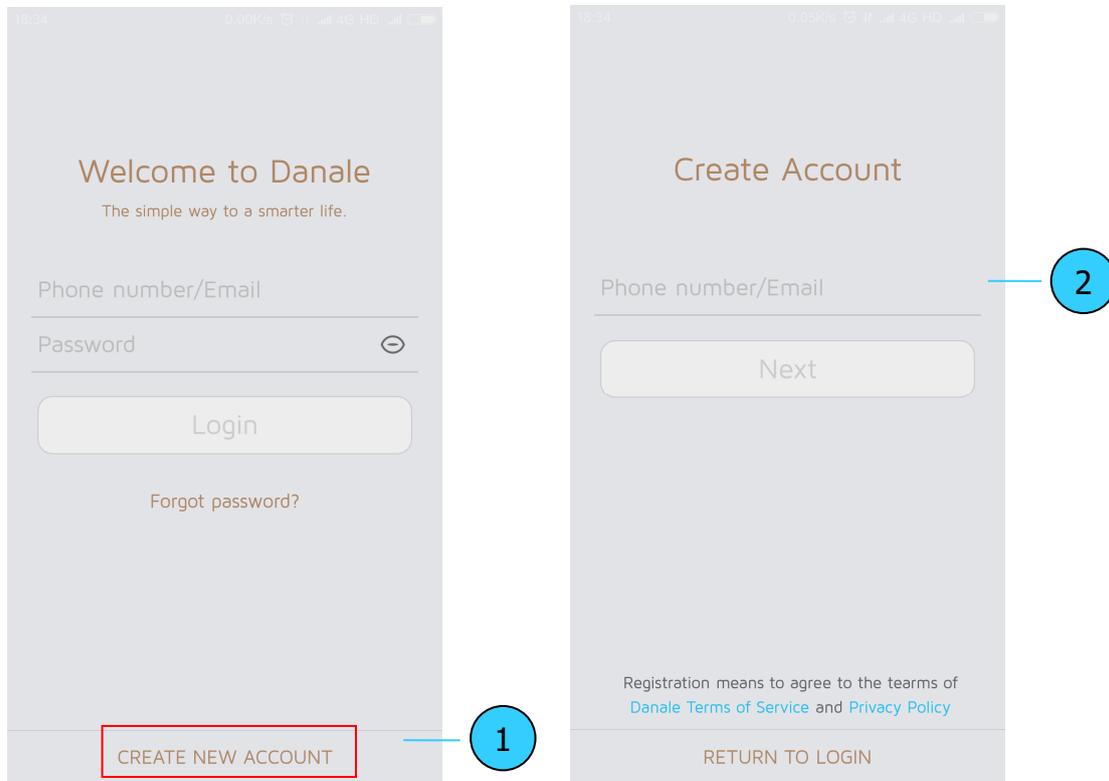
Using the P2P ID and QR code, you can access the camera remotely anywhere via smart phone with Internet access. Please register an account via mobile phone after installing the **Danale** APP from APP Store or Google Play Market, then log in and add your camera to start previewing.

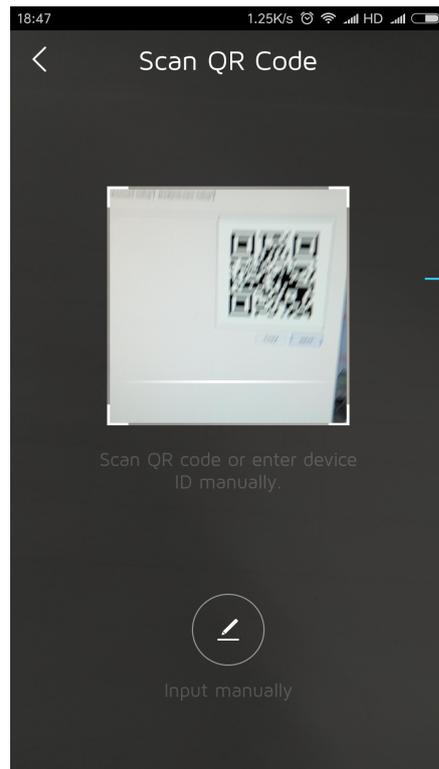
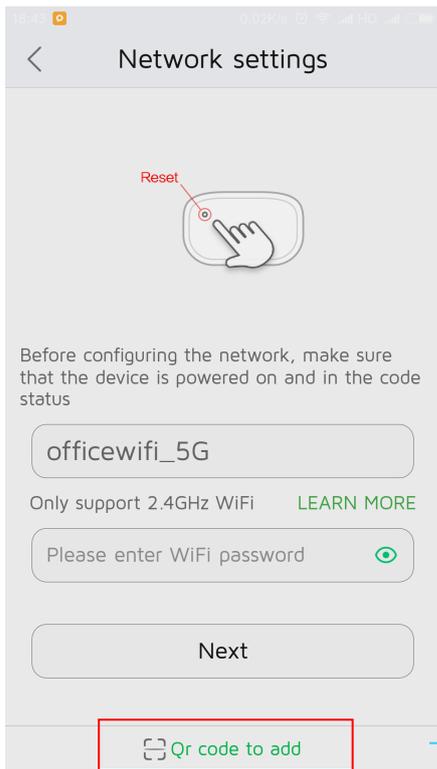
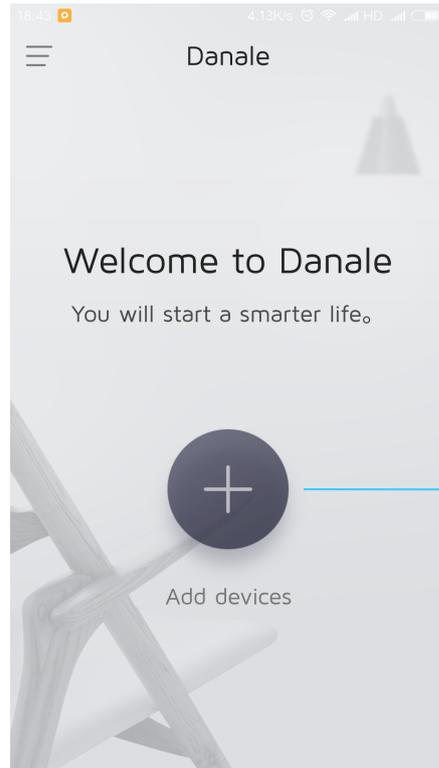
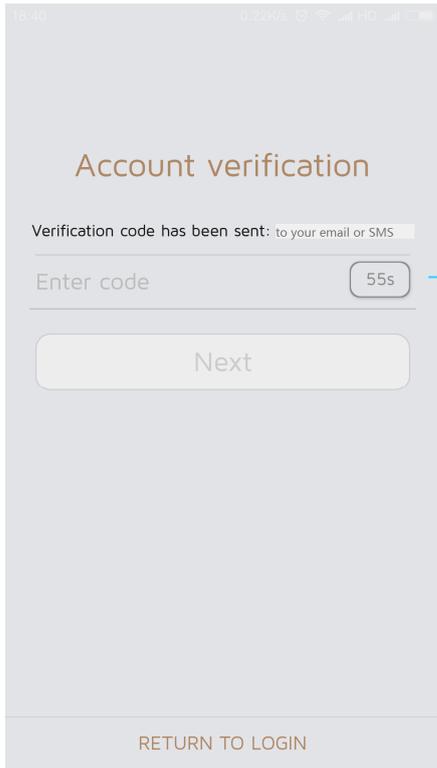
Or you can go to the website <http://www.danale.com/> to register if you need PC remote access. You can download APP from the website to find out more.

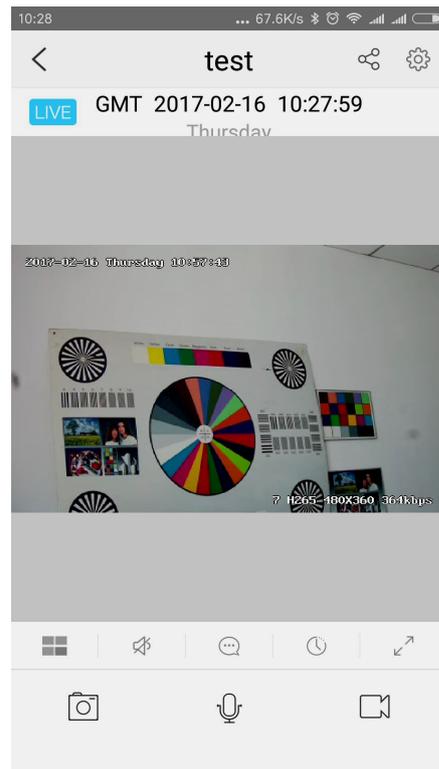
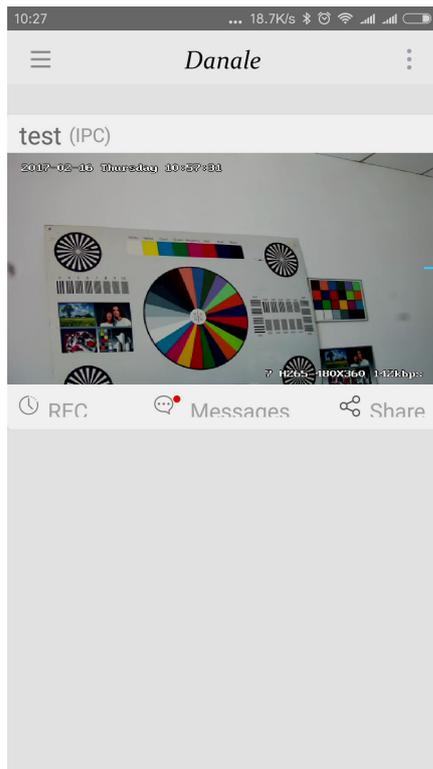
Tips: if the **Login Status** shows **Offline**, please check your Internet connection and IP camera **TCP/IP Network** configurations. Please make sure to use a valid DNS server IP in the TCP/IP Network setting.

Working with mobile device

Visit the Apple App Store or the Google Play Store to download the Danale app for iOS or Android devices. (The app file is also included in the CD. For transferring the file manually to your smart device, please refer to your smart device's manual). After installation, tap the icon to launch the Danale app. For first time use, please create a new account by following the steps below:







1. For new users, please tap **CREATE NEW ACCOUNT** to register an account.
2. Type in your mobile phone number or email address, then tap **NEXT** .
3. Check your SMS or Email for the **verification code**, then tap **NEXT** .
4. Tap  to **Add devices**
5. Tap **QR Code to add** to get into the scan camera QR code page, or click **NEXT** to discover the connected local LAN IP camera.
6. Put the IP camera QR code in the app effective scan area, and then give a nickname for the recognized camera.
7. Tap the camera list to start live video.

Tips:

- a. Tap  to check your account profile and configure settings
- b. To share your camera with your friends or another user, click " " icon and type in or scan his/her Danale account.

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.

Working with NVR

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.

Below is an example from GW2200 and GW3200 series NVR:



The screenshot displays the NVR's IPC management interface. On the left is a sidebar menu with options: Data Inquiry, Backup, Record, Alarm, IPC management (selected), Settings Management, HDD Mgr., Sys. Info., and System Maintenance. The main window is titled 'IPC management' and contains two tables. The top table lists cameras by S.N., IP Address, Resolution, Status, Preview, and Connecting. The bottom table lists channels (CH) by IP CH, IP Address, Status, Diagnosis, Information, Edit, and Delete. At the bottom, there are buttons for 'Discover', 'Smart Access', 'Rate Mgr.', 'Delete all', and 'Manual Add', along with an 'Available bandwidth: 295.39M' indicator.

S.N.	IP Address	Resolution	Status	Preview	Connecting
01	192.168.0.130	1920x1080	✓	👁️	+
02	192.168.0.132	1920x1080	✓	👁️	+
03	192.168.0.200	2592x1944	✓	👁️	+
04	192.168.0.201	2592x1944	✓	👁️	+
05	192.168.0.210	1920x1080	✓	👁️	+
06	192.168.0.211	1920x1080	✓	👁️	+
07	192.168.0.212	1920x1080	✓	👁️	+
08	192.168.0.213	1920x1080	✓	👁️	+

IP CH	IP Address	Status	Diagnosis	Information	Edit	Delete
CH03(POE)	192.168.0.157	✓	🔍	👁️	✎	🗑️
CH04(POE)	192.168.0.112	✓	🔍	👁️	✎	🗑️
CH05(POE)	192.168.0.163	✓	🔍	👁️	✎	🗑️
CH06(POE)	192.168.0.98	✓	🔍	👁️	✎	🗑️
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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 manual step and select **ONVIF** protocol as the pairing protocol. *(camera default password: 123456)*

For more help, please contact the both NVR and IP camera suppliers.

Frequently Asked Questions

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

The default IP address may not match your LAN's IP scheme. 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 your 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

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 UC client,
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's manual for NVR's 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 **UC**;
3) Roll the mouse wheel at the search tool preview window;
4) Find the PTZ menu in your NVR to control lens zoom

For more product application details, please check the CD for reference or call 626-350-0555.

GW Security office hours

Monday through Friday, 9:00AM to 5:00PM Pacific time.