

NVR KIT POE 8 CH 4 CAMERAS 5MP



MODEL QET-N0854



Include
1TB HDD



5MP cameras



2560x1920 20fps
Resolution



IR camera
(98.4ft)



Motion detection



Smart alarm



IP66 Protection



Support up to
8 cameras

Please read carefully before using your equipment
and save it for future reference.

USER MANUAL

WARRANTY AND PRODUCT INFORMATION

These terms shall be governed and construed under laws of the jurisdiction in which the product was purchased, if any term here is held to be invalid or unenforceable, such term (in so far as it is invalid or unenforceable) shall be given no effect and deemed to be excluded without invalidating any of the remaining terms. Qian reserves the right to amend any term at any time without notice.



PRECAUTIONS

Fully understand this document before using this device, and strictly observe rules in this document when using this device. If you install this device in public places, provide the tip “You have entered the area of electronic surveillance” in an eye-catching place. Failure to correctly use electrical products may cause fire and severe injuries.



Strictly observe installation requirements when installing the device. The manufacturer shall not be held responsible for device damage caused by users' non-conformance to these requirements.

Strictly conform to local electrical safety standards and use power adapters that are marked with the LPS standard when installing and using this device. Otherwise, this device may be damaged.

Use accessories delivered with this device. The voltage must meet input voltage requirements for this device.

- If this device is installed in places with unsteady voltage, ground this device to discharge high energy such as electrical surges in order to prevent the power supply from burning out.

When this device is in use, ensure that no water or any liquid flows into the device. If water or liquid unexpectedly flows into the device, immediately power off the device and disconnect all cables (such as power cables and network cables) from this device.

If this device is installed in places where thunder and lightning frequently occur, ground the device nearby to discharge high energy such as thunder strikes in order to prevent device damage.



Avoid heavy loads, intensive shakes, and soaking to prevent damages during transportation and storage. The warranty does not cover any device damage that is caused during secondary packaging and transportation after the original packaging is taken apart.

Protect this device from fall-down and intensive strikes, keep the device away from magnetic field interference, and do not install the device in places with shaking surfaces or under shocks.

Clean the device with a soft dry cloth. For stubborn dirt, dip the cloth into slight neutral cleanser, gently wipe the dirt with the cloth, and then dry the device.

Do not jam the ventilation opening. Follow the installation instructions provided in this document when installing the device.

Keep the device away from heat sources such as radiators, electric heaters, or other heat equipment.

Keep the device away from moist, dusty, extremely hot or cold places.

If the device is installed outdoors, take insect- and moisture-proof measures to avoid circuit board corrosion that can affect monitoring.

Remove the power plug if the device is idle for a long time.

SPECIAL ANNOUNCEMENT

All complete products sold by the manufacturer are delivered along with nameplates, quick setup guide and accessories after strict inspection. The manufacturer shall not be held responsible for counterfeit products.

The manufacturer will update this manual according to product function enhancement or changes and regularly update the software and hardware described in this manual. Update information will be added to new versions of this manual without prior notice.

This manual may contain misprints, technology information that is not accurate enough, or product function and operation description that is slightly inconsistent with the actual product, the final

interpretation of company is as a standard.

This manual is only for reference and does not ensure that the information is totally consistent with the actual product.

For consistency, see the actual product.

1 OPEN PACKAGE EXAMINATION

Open the package, check the appearance of product for no obvious damage, and confirm the item list for table 1-1 is consistent.

Component	Quantity	Remark
HDMI Cable	1	
Network Cable	1	
1TB HDD (Inside the NVR)	1	
Network Video Recorder	1	
Quick Setup Guide	1	
Mouse	1	
Power Adapter	1	
Phillips Head Screw	6	
Network Camera	4	

2 DEVICE STRUCTURE

NOTE

Different device may have different ports and multi-head cable, please refer to the actual product.


Front panel description of device refer to table 2-1.

Table 2-1 Front panel description

Port Name	Description
PWR Indicator	When the NVR is operating, the PWR indicator is steady on. When the NVR is shut down, the PWR indicator is turned off.
HDD Indicator	Hard disk status indicator This indicator flashes when data is transmitted.
POE Indicator	POE network status indicator This indicator flashes when data is transmitted.
KB/MOUSE	Supports connection to an USB mouse or keyboard
BACKUP	Supports connection to an USB flash drive or USB removable hard disk.

Rear panel description of device, please refer to table 2-2.

Table 2-2 Rear panel description

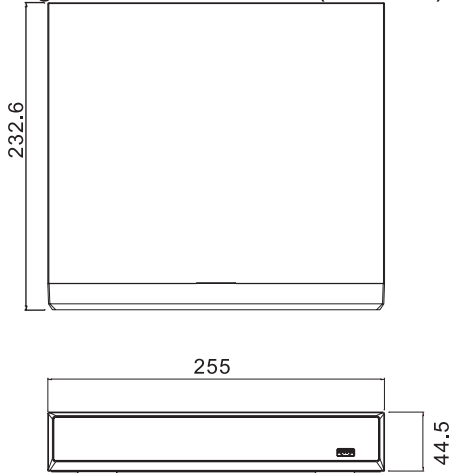
Name	Description
PoE Port	PoE network interfaces
LAN	RJ45 10 /100/1000 Mbps adaptive. Ethernet interface
AUDIO OUT/ AUDIO IN	Audio output / Audio input
VGA	Alarm input/Alarm output
HDMI	
Alarm I/O	Alarm input/Alarm output
DC48V	Connected to an external power adapter
	Power switch
USB	USB 2.0 port

2.2 Device Dimensions

NOTE

Different device may have different dimensions, please refer to the actual product.

Figure 2-1 Dimensions (Unit:mm)



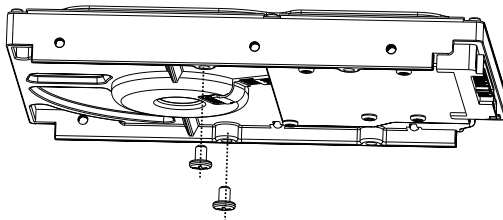
3 DEVICE INSTALLATION

The hard disk of the NVR must be provided by the user. Take the following steps to install hard disk:

Step 1 Remove the screws for fixing the cover and take down the cover.

Step 2 Take out the screws and mount two of them to the screw holes, as shown in figure 3-1.

Figure 3-1 Installing the hard disk screws

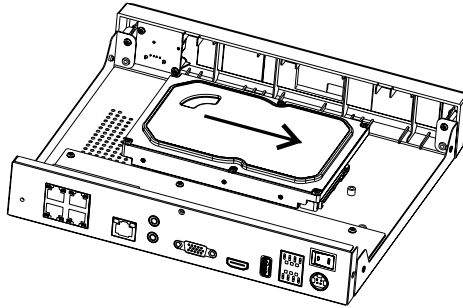


NOTE

Just screw the screws about 1 to 2 turns, instead of tightening.

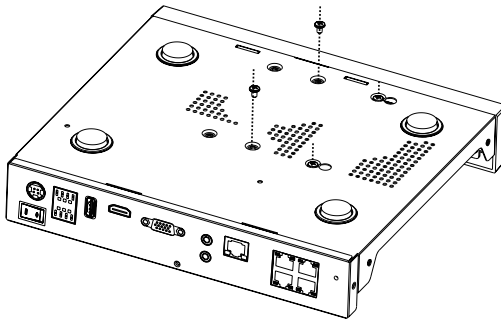
Step 3 Route the screws through the cucurbit holes on the base, push the hard disk to the appropriate position, as shown in figure 3-2.

Figure3-2 Installing hard disk



Step 4 Turn the device over, and mount another two screws to the holes as shown in figure 3-3. Then fasten all screws.

Figure3-3 Fixing hard disk



Step 5 Insert the hard disk data cable and power cable, then put on the upper cover and fasten the fixing screws.

4 DEVICE OPERATION

4.1 Startup

Before starting NVR, ensure that the NVR is connected to a power supply properly and a monitor is connected to the HDMI or VGA interface of the NVR correctly. After starting the NVR, there is a login window located in the center, as shown in figure 4-1.

CAUTION

In some environments, if the power supply is abnormal, the NVR may not work properly. In severe cases, the NVR may be damaged. In these environments, you are advised to use regulated power supply.

Figure 4-1 Activation Interface

Activation

Language English

Username admin

Enter a new password Password

Confirm the new password Password

Enter channel default password Password

- Valid password range [6-32] characters.
- At least 2 kinds of numbers, lowercase, uppercase or special.
- Only these special characters are supported !@#\$%+*~_&*"

OK

Figure 4-2 Login Interface

Login

English

admin

Password

Login

Forgot password

NOTE

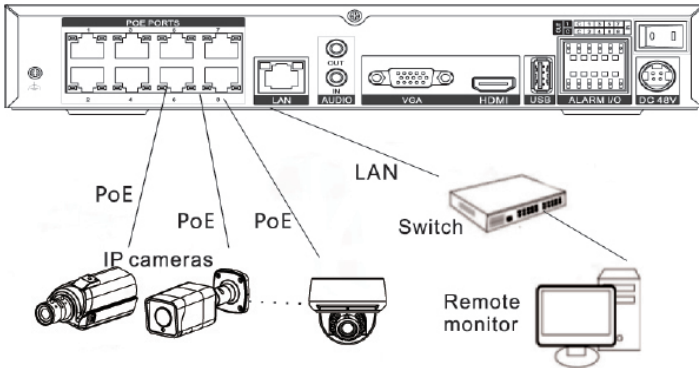
For system security, users will be forced to modify password when login the system at the first time.

If the NVR need activation, please create a new password to login. User can change the system display language on the login window.

4.2 Topology of the NVR

NVR with POE ports can access IP cameras immediately when plug IP cameras into NVR's POE ports. Then the NVR will assign an IP address for each camera automatically. The topology refer to figure 4-3.

Figure 4-3 Topology of the NVR



4.3 Power off

Enter the path Main Menu > System > Maintenance > Shutdown to power off the NVR.

NOTE

Before replacing the hard disk, the power must be turned off. The special function is only carried by some devices, if the current device does not have the function, please ignore it.

5 QUICK CONFIGURATION

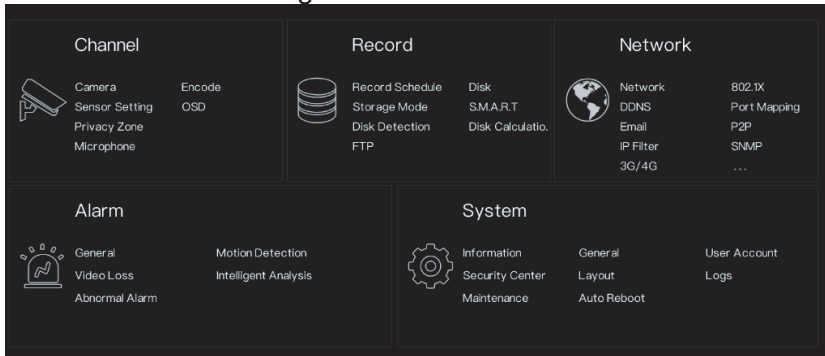
Plug in power to access the NVR user page, the wizard window would show at first time, user can configure quickly or close immediately. The details of configure please refer to main menu. Use mouse to right-click any where of the main interface to access the main menu. Main menu comprises Channel, Record, Alarm, Network and System settings, as shown in figure 5-1.

5.1 Channel

Channel settings contain Camera, Encode, Sensor Setting, Privacy Zone, Microphone.

Camera: user can add cameras automatically by clicking Click to Add, and add manually by clicking add. Tick cameras then click Delete to delete cameras. User can batch update software.

Figure 5-1 Main menu



- Sensor Setting: set the sensor parameter of channels' cameras.
- OSD/ Privacy Zone: set on live video screen.
- Microphone: adjust and set the microphone of channels.
- All these settings can be copied to other channels by clicking copy button.

5.2 Record

Record settings contain Record Schedule, Disk, Storage, Disk Calculation, SMART, Disk Detection and Cloud Storage.

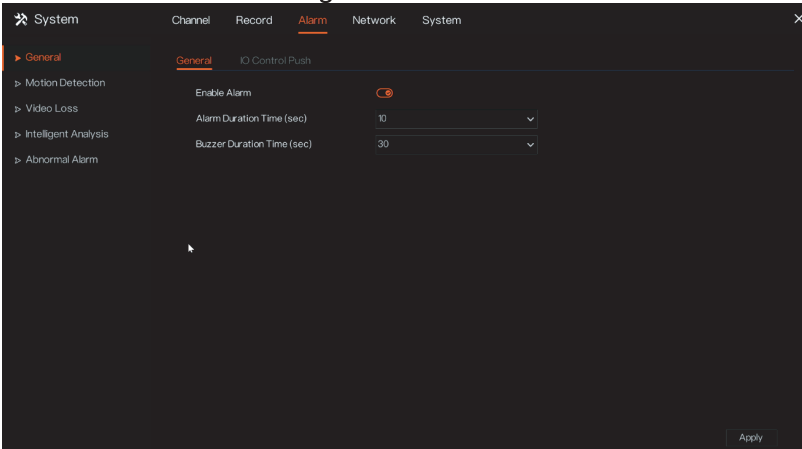
Set record schedule and storage strategic. user can calculate the disk's using time at Disk calculation interface.

Enter SMART interface to view the state of disks. Disk detection can detect the disks.

5.3 Alarm

Alarm settings contain General, Motion detection, Video loss, Intelligent analysis, Abnormal alarm as shown in figure 5-2 Cloud storage can storage alarm recording.

Figure 5-2 Alarm



General: enable or disable alarm and set duration time of alarm.

- Motion Detection: enable this function, if detection the motion actions, it will alarm.

1. Event actions: contain buzzer, alarm out, push message to App, pop-up message to monitor, send E-mail and post recording (after enabling, choose the recording time from drop list.)

2. Area: set motion detection area. Press left button and drag the cursor to add a detection area, and double-click an area to delete it.

3. Schedule: set schedule to enable or disable motion detection alarm. There are three methods to set, click the double arrows button to choose all day. The second, click and drag the cursor to select periods. The third, click one by one.

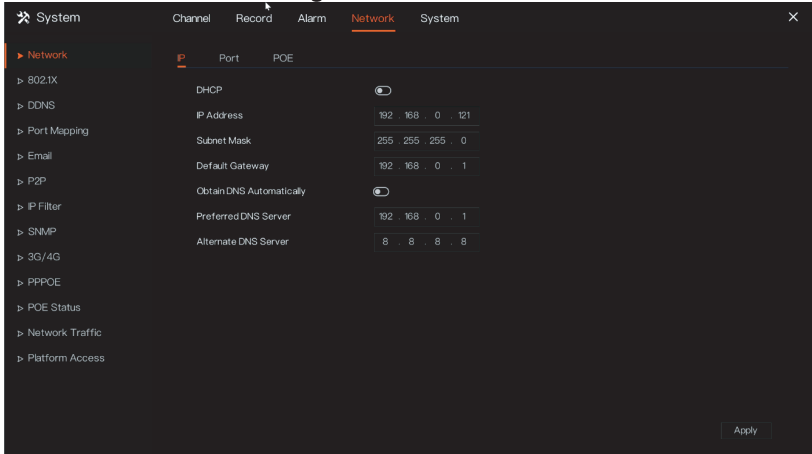
- Video Loss, Intelligent Analysis are same settings as motion detection.

- Alarm In: settings for I/O alarming. Abnormal Alarm can tick disk error, IP conflict, network disconnected.

5.4 Network

Network settings contain Network, 802.1X, DDNS, E-mail, Port Mapping, P2P, IP Filter SNMP, 3G/4G, and PPPOE as shown in figure 5-3.

Figure 5-3 Network

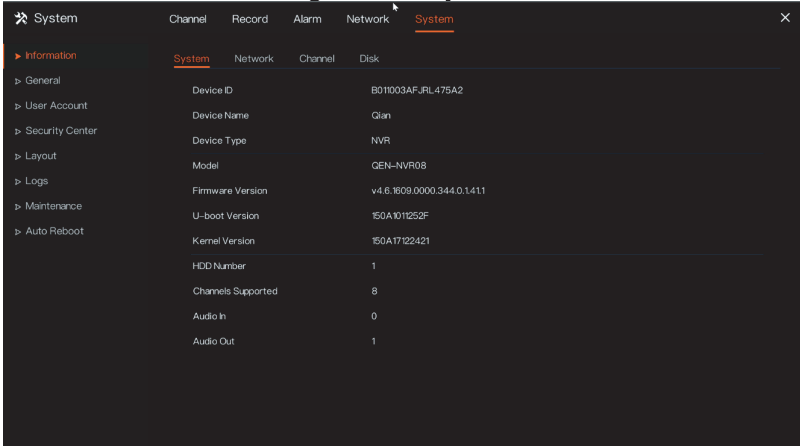


- Network, 802.1X, DDNS, and SNMP interface to set network parameters.
- E-mail: set E-mails for sending and receiving alarm messages and password retrieval message.
- Port Mapping: set the ports for remote accessing.
- P2P: add NVR into device list of App by accessing the QR code.
- IP Filter: settings for creating black list or white list.
- 3G/4G: use 3G/4G modem plug to NVR provide the network.
- PPPOE: point to point network to access NVR directly.

5.5 System

System settings contain Information, General, User, Security Center, Auto Sequence, Logs, Maintenance and Auto Restart, as shown in Figure 5-4.

Figure 5-4 System

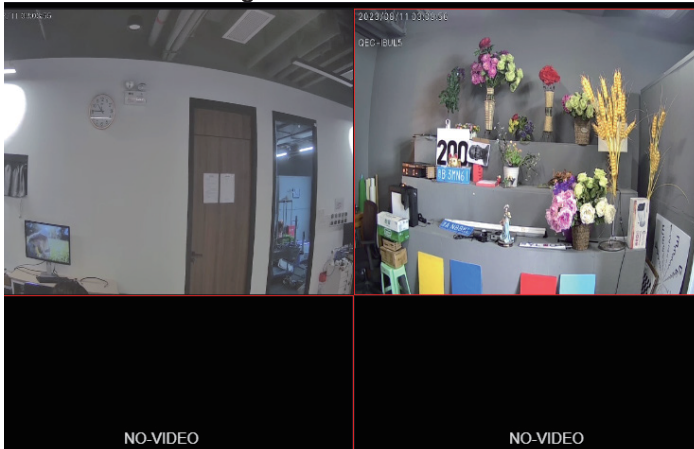


- General: include system, date and time, time zone, DST.
- User: add user and set advance setting(auto login, password double authentication, boot wizard).
- Security Center: modify the password, pattern unlock, secure Email, Secure question.
- Auto Sequence: settings for sequencing view of the channels.
- Logs: shows operating and alarm log, user can export logs if an USB disk is plugged in.
- Maintenance: include shutdown, reboot, exit system, reset, import configuration, export configuration and update.
- Auto Restart: enable this function to make device restart periodically.

5.6 Live Video

Live video page is showed after starting the NVR by default, as shown in figure 5-5.

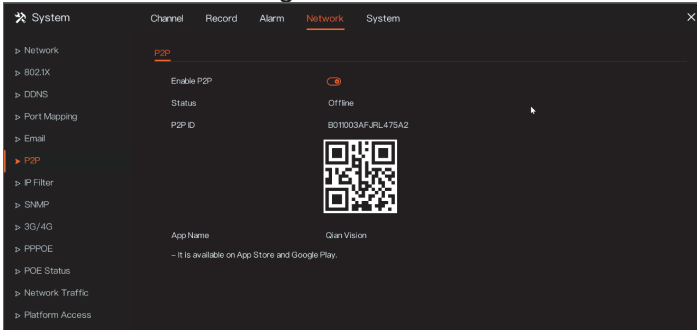
Figure 5-5 Live video



6 MOBILE CLIENT

Search for “Qian Vision” in App Store or Google Play to download and install the mobile client. Use the App to scan the QR code on the back board of NVR, or in P2P settings page in NVR user interface. Then input the password of the NVR to add the NVR into the device list of the App. User can manage the device through mobile client.

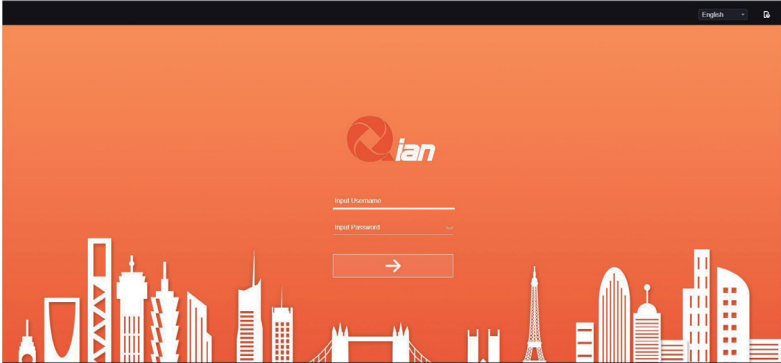
Figure 6-1 P2P



7 WEB ACCESSING

The NVR also can be accessed in a Web browser. Open a web browser like IE and enter the IP address of device (The default IP address is 192.168.0.121) in the address box, and press Enter. The login page is displayed as shown in figure 7-1.

Figure 7-1 Login



NOTE

The user name and password are same as the UI interface.

NETWORK CAMERA PRECAUTIONS

Fully understand this document before using this device, and strictly observe rules in this document when using this device. If you install this device in public places, provide the tip “You have entered the area of electronic surveillance” in an eye-catching place. Failure to correctly use electrical products may cause fire and severe injuries.

WARNING

- Strictly observe installation requirements when installing the device. The manufacturer shall not be held responsible for device damage caused by users' non-conformance to these requirements.
- Strictly conform to local electrical safety standards and use power adapters that are marked with the LPS standard when installing and using this device. Otherwise, this device may be damaged.
- Use accessories delivered with this device. The voltage must meet input voltage requirements for this device.
- If this device is installed in places with unsteady voltage, ground this device to discharge high energy such as electrical surges in order to prevent the power supply from burning out.
- When this device is in use, ensure that no water or any liquid flows into the device. If water or liquid unexpectedly flows into the device, immediately power off the device and disconnect all cables (such as power cables and network cables) from this device.
- Do not focus strong light (such as lighted bulbs or sunlight) on this device. Otherwise, the service life of the image sensor may be shortened.
- If this device is installed in places where thunder and lightning frequently occur, ground the device nearby to discharge high energy such as thunder strikes in order to prevent device damage.

CAUTION

- Avoid heavy loads, intensive shakes, and soaking to prevent damages during transportation and storage. The warranty does not cover any device damage that is caused during secondary packaging and transportation after the original packaging is taken apart.

- Protect this device from fall-down and intensive strikes, keep the device away from magnetic field interference, and do not install the device in places with shaking surfaces or under shocks.
- Clean the device with a soft dry cloth. For stubborn dirt, dip the cloth into slight neutral cleanser, gently wipe the dirt with the cloth, and then dry the device.
- Do not jam the ventilation opening. Follow the installation instructions provided in this document when installing the device.
- Keep the device away from heat sources such as radiators, electric heaters, or other heat equipment.
- Keep the device away from moist, dusty, extremely hot or cold places, or places with strong electric radiation.
- If the device is installed outdoors, take insect- and moisture-proof measures to avoid circuit board corrosion that can affect monitoring.
- Remove the power plug if the device is idle for a long time.
- Before unpacking, check whether the fragile sticker is damaged. If the fragile sticker is damaged, contact customer services or sales personnel. The manufacturer shall not be held responsible for any artificial damage of the fragile sticker.

SPECIAL ANNOUNCEMENT

All complete products sold by the manufacturer are delivered along with nameplates, quick setup guide and accessories after strict inspection. The manufacturer shall not be held responsible for counterfeit products.

- The manufacturer will update this manual according to product function enhancement or changes and regularly update the software and hardware described in this manual. Update information will be added to new versions of this manual without prior notice.
- This manual may contain misprints, technology information that is not accurate enough, or product function and operation description that is slightly inconsistent with the actual product, the final interpretation of company is as a standard.
- This manual is only for reference and does not ensure that the information is totally consistent with the actual product. For consistency, see the actual product.

8 DEVICE PORTS

NOTE

Different device may have different multi-head cable, please refer to the actual product.

Figure 8-1 Multi-head cable

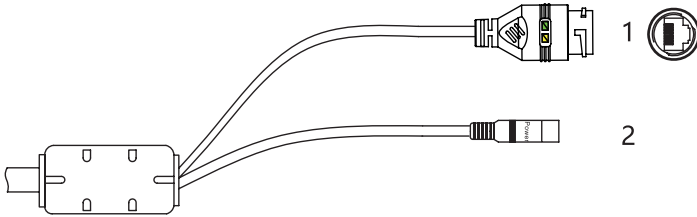


Table 8-1 Multi-head 1 cable description

ID	Core	Description	Remark
1	Network access port	Connects to a standard Ethernet cable or PoE . The green light is on, the network connection is normal; the yellow light flashes when the data is transmitted. Some models maybe not have the lights, please refer to actual product.	Support PoE supply.
2	Power supply (DC 12V)	Connects to a 12V direct current (DC) power supply.	In case of not having PoE.

9 QUICK CONFIGURATION(E.G IE)

9.1 Login

Step 1 Open the Internet Explorer, input the IP address of IP camera (DHCP is on by default) in the address box, and press Enter. The login page is displayed. as shown in figure 9-1.

Step 2 Input the user name and password.

NOTE

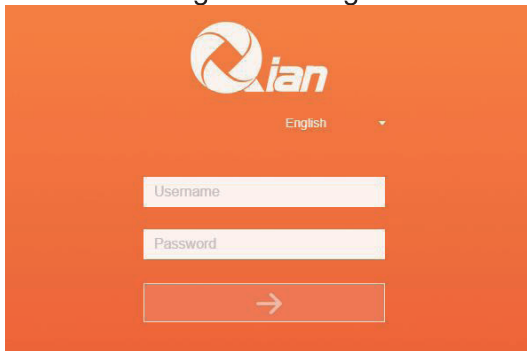
- The default user name is “admin”.

- The default password is “admin”.

Change the password when you log in the system for first time to ensure system security.

- You can change the system display language on the login page.

Figure 9-1 Login



Step 3 Click Login icon, the main page is displayed.

9.2 Modify IP address

Choose Setting > Network> IP, the Network page is displayed. Input the IP address in the IP Address box and click Apply as shown in figure 9-2.

After the success of the IP address setting, please use the new IP address to log in the Web interface.

Figure 9-2 Network

IP PORT

DHCP

IP Address

Subnet Mask

Gateway

Obtain DNS Automatically

DNS1

DNS2

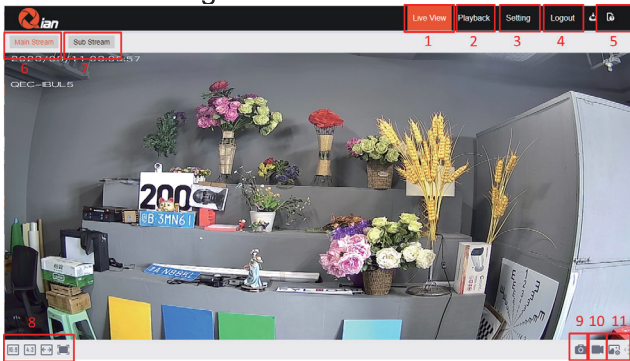
MTU(800-1500)

Refresh Apply

9.3 Browsing Video

To browse a real-time video, click Live View. The Live Video page is displayed, as shown in figure 9-3.

Figure 9-3 Live view



Description:

1. User can view the live view.
2. Playback, if the device install the SD card, user can view playback recording.
3. Click Setting into the setting interface, set the parameter of device.
4. Click Logout to exit the live view interface, user need to input password to login again.
5. The alarm, when the alarm action is happening, the icon will show.
- 6 and 7 to switch the stream.
8. Switch the aspect ratio. Double-click in the video area to enter the full-screen mode, and double-click again to exit.

9. Snapshot, the picture will save to local folder(Setting > Local).
10. Record, click this and record the live view and save to local folder.
11. Click the icon to open the Image Setting page. On the Image Setting page, user can set image, scene, WB, day-night, noise reduction, enhance image.
12. Audio, click open or close the audio. (Some models may not support this function).
13. Interphone, click open or close the interphone.(Some models may not support this function).

To browse device information, choose "Setting > System > Information", the Information page is displayed, as shown in figure 9-4.

Figure 9-4 Information

Information	
Device ID	080020031463
Device Name	QEC-IBUL5
Device Type	IPCAMERA
Manufacturer Name	IPCamera
Model	QEC-IBUL5
Hardware number	120505123
Firmware Version	v4.4.1205.1006.344.0.6.10.3

To set the encode parameters, choose "Setting> Video> Encode", the "Encode" page is displayed, as shown in figure 9-5.

Figure 9-5 Encode

Encode

Main Stream	Sub Stream
Encode Type: <input type="text" value="H264"/>	Encode Type: <input type="text" value="H264"/>
Video Encode Level: <input type="text" value="Low"/>	Video Encode Level: <input type="text" value="Low"/>
Resolution: <input type="text" value="2560x1920"/>	Resolution: <input type="text" value="640x360"/>
Frame Rate: <input type="text" value="20"/>	Frame Rate: <input type="text" value="20"/>
I Frame Interval(Unit:Frame): <input type="text" value="50"/>	I Frame Interval(Unit:Frame): <input type="text" value="50"/>
Bitrate Control: <input type="text" value="CBR"/>	Bitrate Control: <input type="text" value="CBR"/>
Bitrate(512-6144): <input type="text" value="4096"/>	Bitrate(128-1536): <input type="text" value="1024"/>
Smart Encode: <input type="checkbox"/>	

Refresh Apply

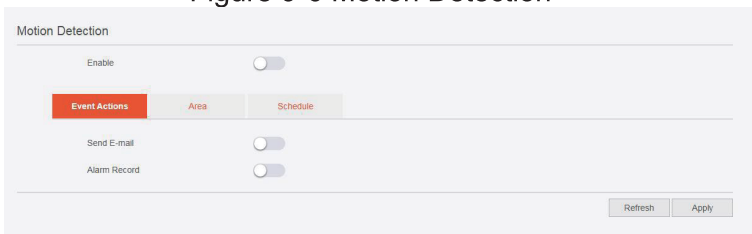
Set the parameters according to the page and click “apply”.

- If the message “Apply success!” is displayed, click OK to confirm. The system saves the settings.
- If the message “Apply failed!” is displayed, you must apply for the Parameter Configure permission from an administrator.
- If a message indicating that the “bit rate invalid” is displayed, enter a new bit rate value.

Click “Smart Encode” to gain for better compression performance.

To set alarm information, Choose “Setting > Alarm > Motion Detection”, The page is displayed, as shown in figure 9-6.

Figure 9-6 Motion Detection



Click Enable to enable the motion detection alarm.

Event Actions: user can choose four modes to get the alarm messages.

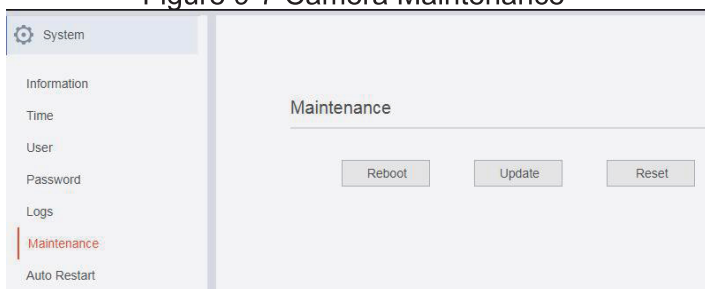
Area: drag the mouse left to choose area to set many areas, double-click left button to delete areas. Schedule: set the time of opening alarm.

- Click to choose all day and all week.
- Drag the mouse left button to choose hours.
- Choose the hours one by one.

Choose “Setting > System >Maintenance” the “Camera Maintenance” is displayed, as shown in figure 9-7.

User can reboot ,update and reset the camera in this page.

Figure 9-7 Camera Maintenance



Click Reboot, the message “Are you sure to restart?” is displayed, then click “OK”, the device is restarted successfully five minutes later.

- Click Update to update software, choose software and confirm to update.
- Click Reset, the message “Are you sure to reset?” is displayed, then click “OK”, the device is reset to the factory settings.

CAUTION

After you click reset, all parameters will be restored to the factory settings. Use this function carefully.

