If the user manual doesn't help you to solve the problem, please call our technology center for technical support.
1. **Installation Environment**

- Keep away from the places for high-temperature, heat source and direct sunlight;
- Keep away from water and if wet, power off immediately.
- Avoid using in the damp environment; the reference range for operation humidity is below 85%RH.
- Avoid using in too hot or too cold environment, the reference range for operation temperature is -10℃~+40℃
- Please install it horizontally or wall mount, avoid strenuous vibration and do not place other items on top of the unit.

2. **Transport and Handling**

- Please handle the item carefully.
- Do not move the item between too hot and too cold areas.
- Please disconnect the item from the mains before moving.

---

**Notice:**

1. Do not fall down the camera or beat it strongly.
2. Do not touch the optical components for the image sensor, such as the lens, if necessary, please place a clean and moistened cloth with alcohol and wipe the dirt gently; When not in use, please place the dust cover onto the item to protect the image sensor.
3. Do not aim the camera directly into the sun or at other intense light sources that could affect the image quality, this will also shorten the service life for the image sensor.
4. Keep away from laser when it is working, otherwise the image sensor can be damaged.
5. If the equipment is not working properly, please contact the store or the service center, do not disassemble or modify the equipment in any way.
6. If the equipment is not working properly, please contact the store or the service center, do not disassemble or modify the equipment in any way.
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1 Product Introduction

1.1. Product Overview

Thank you for choosing X series high definition SmartP2P IP Camera, the IP Camera combines a high definition digital video camera with network connectivity and a powerful web server to bring high definition video to your desktop from anywhere on your local network or over the Internet. It includes indoor HD PTZ camera, indoor HD cube camera, outdoor HD waterproof camera etc. It is very suitable for home, shops, offices and so on.

Product features:
- Support High profile H.264 encoding, 3 kinds of resolution video stream simultaneously, suitable for Local, Internet and Cross-platform view;
- Support Flash Player to play video;
- Support OCX plug-in to view video;
- Support Wi-Fi protocol 802.11b/g/n;
- Support WPS/QSS one key Wi-Fi configuration;
- Support one touch Wi-Fi configuration on mobile phone before connect to the network;
- Support max. 64G SD/TF card storage for the alarm video and pictures, timing snapshot and recording, support MP4 format;
- Built-in web server, use one port to send all the data, users can facilitates network setting;
- Support IE/Firefox/Chrome/Safari browser to view video and configure device;
- Support P2P private network through transmission via manufacturer cloud platform;
- Provide IOS/Android mobile phone Apps;
- Provide Windows/Mac OS PC client software.

1.2. Product Exposition

Please check carefully if all listed items are included in the package, it includes 1camera, 1power adapter, 1network cable, 1CD, 1Quick Installation Guide, 1installation bracket. If anything missing, please contact vendor in time.

The camera functions maybe different due to different product model, the main functions as below:
- **Main chip and sensor**: Due to main control chip and sensor is different, so the camera support different resolution: 720P, 1080P and above;
- **Power input port**: Check power supply if 5V or 12V. Plug right power supply, or it will damage the camera or cannot run. We suggest to use the default power adapter.
- **RJ45 Port**: Network port;
- **Wi-Fi function**: The device features Wi-Fi function, built-in Wi-Fi module and antenna. The Wi-Fi antenna includes built-in Wi-Fi antenna, integration antenna, separated antenna and so on. The separated antenna would be packed with the camera in the gift box, users should install it to camera before it works.
- **IR-CUT**: A filter switching device, from day and night to switch to a different filter, then forbid or allow
Infrared light can make pictures more true.

- **Lens**: Due to the different focal length of the lens, the vision angle of the lens is different. Please twist the lens to adjust for the best effect if the video is blurry. (Each lens of the camera is well focused before delivery, so we advise against adjusting the lens.)

- **PTZ**: Remote control of PTZ, view videos from various angles. Some devices have PTZ function, while some do not due to product cover differences, and PTZ moving angle may differ.

- **SD socket**: Some products use SD sockets and some use MicroSD sockets due to different product covers. Maximum support 64GB memory card.

- **MIC inside**: Collect sound from the camera’s workplace.

- **Speaker inside**: Play sound from the device start, talking, and alarm.

- **Audio in port**: If the camera does not have a MIC, you can connect an extra MIC to collect sound.

- **Audio out port**: If the camera does not have a speaker, you can connect extra sound systems.

- **Alarm in port**: Connect with switchable sensors, check the sensor signal to judge if detecting any event.

- **Alarm out port**: Connect with an external alarm device, control device alarm action when detecting any event.

- **Reset button**: After starting the camera, press and hold the reset button for at least 10 seconds to restore default settings and reboot; press and hold the reset button for 3 seconds to set up Wi-Fi using WPS/QSS; press the reset button briefly, the Wi-Fi indicator will flash a few seconds while the camera is connecting to Wi-Fi, allowing you to assess Wi-Fi signal strength by the flash frequency, the faster the flash, the stronger the signal.

- **Wi-Fi indicator**: Blue LED for Wi-Fi indicator used to display Wi-Fi state, such as off, slow flash, fast flash, steady work, etc.

- **Work status indicator**: Red LED for operation indicator that displays the state of the equipment, there are off, slow flash, flashlights flash, when someone accesses video, otherwise slow flash.

- **POE function**: The function that supplies power to the camera through the network cable. You need the camera with POE module. The device connects to the POE switcher via a network cable, and the POE switcher supplies power for the device through the network cable.

- **PIR function**: The device with PIR sensor, used for detecting human movement, it triggers an alarm if detecting any abnormal.
2 Device Connection

2.1. Connection Diagram

- Power on the camera by attaching the power adapter, and then connect the camera and router by network cable, so you can visit the camera via computer in LAN and view camera video as "View video by browser".
- You can also connect camera and router by Wi-Fi, you need to configure Wi-Fi of the camera as "2.2 Wi-Fi Setting".

![Connection Diagram]

2.2. Wi-Fi Setting

You can setting up the Wi-Fi as the following three way.

2.2.1. Configuration via network cable connection

Connect the camera and router by network cable as Figure1, please login the camera as "View video by browser", access to system configuration interface to finish the setting as "5.1.2.3 Wi-Fi setting". Pull up the network cable, then you can connect the router by Wi-Fi.

2.2.2. WPS/QSS One key configure Wi-Fi

Power on the camera and wait for 1 minute, the camera started, hold on reset button 3 seconds, and then click "WPS/QSS" button of the router. the camera and router will be configured Wi-Fi as WPS/QSS protocol, after configuration successfully, the blue Wi-Fi indicator of the camera will quickly flash several times, and then it will be connected to router automatically and the blue indicator will be
always on.

Notice: Due to some router do not support WPS/QSS function, so you can not use the configuration way.

Figure2

2.2.3. Mobile Phone Setting

please make sure the smartphone is connected WiFi, Install the iSmartViewPro App in android phone or iPhone at first, open the App, access to More interface, select “One key configure Wi-Fi” and fill in Wi-Fi password, and then click configure to finish the setting as Figure3.

Figure3

Tips:
● Before configuration, please power on the camera, after 5 minutes, you can configure the camera (blue Wi-Fi indicator flash slowly), otherwise you can’t configure, and must power on the camera again;
● Move mobile phone speaker to camera MIC, click Configure; (please confirm if the camera have MIC, otherwise the configuration will be unsuccessfully)
● After configuring successfully, the blue Wi-Fi indicator will flash several times quickly, and then connect to router automatically and the blue indicator is always on. You can click Configure several times when the configuration is unsuccessfully.
3  View Video by Browser

3.1. Select View Mode in web

Double click to Open the "SearchPro" in the attached CD and click Search as Figure 4.

Select the founded device and double click it to open browser automatically, enter user name and password at popup dialog to login camera webpage as Figure 5.

Tips: default username/password: admin/123456, please modify the password for safety.

- View Video- Mode 1: APNPI view mode(OCX plug-in)
  For <View Video- Mode 1>, it needs to download plug-in for first time, as figure 6, click <Download Plug-in> to install it.
Google browser version: 42 version or below.
Firefox browser version: 43 version or below
Support IE browser IE 8, IE 9, IE 10, IE 11.

- **View Video - Mode 2: Flash Player View Mode (Adobe Flash Player plug-in)**
  - If the browser was not installed Flash Player plug-in, there will be tips for downloading and installation.
  - If select Mode 2, it doesn’t support multi-view, multi-area motion detection functions, etc.
  - Support Microsoft Edge browser.

3.2. View Live Video

- If select "View Video - Mode 1", it will enter into preview interface as Figure 7.
Note:
1. You can view one or four video in a screen, need to set up the cameras in 5.1.1.5 multiple setting.
2. You can click \( \times x \) to zoom in and out the video, 1x, 2x, 3x, 4x optional.
3. The first stream will change to 1920x1080 or 1280x720 automatically according to different camera.

- If select "View Video- Mode 2", it will enter into preview interface as Figure8

![Figure 8 (View Video- Mode 2 preview interface)](image)

- Notice: It doesn’t support manual listening, intercom, capture, recording and multi-view settings.
4 Query and Playback SD Record by Browser

4.1 Playback Video

Click Playback Video to access to SD record playback interface, click record date which you want to query, click Search to list recording file, select one to playback it, also can click download button to download the file as Figure 9.

![Figure 9](image)

5 Device Configuration and Local Setting

5.1 Device Configuration

5.1.1 System

5.1.1.1 Device Status

You can view current user, network connection way, Mac address, SD status and internet IP address of the camera as Figure 10.
5.1.1.2. Time Setting

You can do time setting, active "Synchronize with PC" etc. as Figure 11.

- When IP Camera is connected to internet, it will automatically adjust the NTP server time.
- After IP Camera is startup, it will automatically adjust the time according to NTP server’s all addresses; after that, it will automatically adjust NTP server time per 30 minutes.

5.1.1.3. Pan&Tilt Setting

In Pan&Tilt setting, you can set Pan/Tilt speed, cruise laps (1~10 laps) and whether to enable or disable motion detection alarm function when Pan/Tilt works. as Figure 12

Call preset:
1. preset 1-8 is the setting place after the camera restart.
2. Back to the place which is setted before camera restart: when you call preset NO.9, the camera will be back to the place where power off or restart after finishing self-checking.

![Pan&Tilt setting](image)

### 5.1.1.4. Others Setting

You can turn off Status LED (Red) and Wi-Fi LED (Blue) of the camera in others setting as Figure13.

![Indicator setting](image)

### 5.1.1.5. Multiple Settings

- It supports multi-view under “View Video- Mode 1”, The first device is current camera. You can add 3 more cameras, then you can view one or four cameras in one screen as Figure14.
- If select “View Video-Mode 2”, it will not support multi-view function setting.
5.1.1.6. System Maintenance

The system maintenance includes System setting and Restart timing setting. You can set up reboot, backup setting, restore backup setting, upgrade camera and timing reboot etc as Figure 15.
5.1.1.7. Device information

You can modify device name and check system firmware version, system firmware time and Web UI firmware here as Figure16.

![Device Information Table]

5.1.2. Network

5.1.2.1. IP Address Setting

You can modify IP address of the camera here, there is no default IP address, it is DHCP as Figure17.

![IP Address Setting Table]

5.1.2.2. Port Setting

You can change webpage HTTP port here as Figure18.

![Port Setting Table]
5.1.2.3. Wi-Fi Setting

Click **Search** and enable Wi-Fi, then select the wireless router you want to connect, enter password of the router, click **Save** to finish the Wi-Fi configuration. Click **Test** to check if your settings are successful or not as Figure 19.

![Wireless Network List](image1.png)

**Enable Wi-Fi:**

- **SSID:**
- **Authorization:**
- **Encryption:**
- **Key:**

![Test and Save Button](image2.png)

Figure 19

5.1.2.4. Port Forwarding

Access to port forwarding, you can enable UPNP port forwarding and check the status of it as Figure 20.

![UPNP Setting](image3.png)

**UPNP Setting**

- **UPNP Port Forwarding:**
- **UPNP Status**

If port forwarding unsuccessful, please check as following step:
1. Click refresh button to refresh it.
2. Check if enable UPNP of the router
3. Change another port to try again.

<table>
<thead>
<tr>
<th>Port Type</th>
<th>Port</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>http</td>
<td>80710</td>
<td>Fail</td>
</tr>
<tr>
<td>rtsp</td>
<td>554</td>
<td>Fail</td>
</tr>
</tbody>
</table>

Figure 20

5.1.2.5. DDNS Setting

You can enable manufacturer's DDNS and set up third party DDNS (the third party DDNS support
3322.org/Dyndns.org/No-ip.com now, the manufacturer provide a free DDNS for every camera as Figure 21.

### 5.1.2.6. RTSP Setting

You can set up RTSP port, also can off RTSP authentication as Figure 22.

**RTSP setting**

- **Authentication**: ON/OFF
- **RTSP port**: 564

You can view video by some general RTSP stream media software, for example, VLC. The visit link as below:

- **First stream**: rtsp://user:password@IP:rtsp port/live/ch0
- **Second stream**: rtsp://User:password@IP:rtsp port/live/ch1
- **Third stream**: rtsp://user:password@IP:rtsp port/live/ch2

### 5.1.2.7. Onvif Setting

Enter into Onvif setting interface, you can enable or disable Onvif authentication as Figure 23.

**Onvif setting**

- **Onvif setting**: ON/OFF
- **Onvif checking**: ON/OFF
5.1.2.8. FTP Setting

Access to FTP setting, please fill in relative FTP parameters as the following case to achieve the FTP transfer as Figure24.

![Figure24](image)

5.1.2.9. SMTP (E-mail) Setting

Please fill in relative parameters as the following case to achieve the E-mail transfer, as Figure25.

![Figure25](image)
5.1.3. Audio and Video

5.1.3.1. Video Encoding Setting

Access to Video Encoding setting, you can set up AC frequency and video stream as Figure 26.

- AC frequency: 50HZ and 60HZ optional;
- Video stream: Bit rate (256~4096kbps), frame rate (1~30fps), video encoding control etc;
- Tips: you can set up the video with audio or not.

![Figure 26](image)

5.1.3.2. Volume Setting

Access to Volume setting, you can adjust the volume of MIC and speaker as Figure 27.

![Figure 27](image)

5.1.3.3. Image Setting

Access to Image Setting, you can flip and mirror the image, also can adjust the brightness, contrast, saturation and hue of image for getting best color effect as Figure 28.
5.1.3.4. OSD Setting

Access to OSD setting, you can overlay the time and name in Live video as Figure29.

<table>
<thead>
<tr>
<th>OSD setting</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Overlay Time</td>
<td>ON</td>
</tr>
<tr>
<td>Overlay Name</td>
<td>ON</td>
</tr>
<tr>
<td>Name setting</td>
<td>IPCamera</td>
</tr>
</tbody>
</table>

5.1.3.5. Night vision Settings

Access to Night vision Settings, you can set up IR LED and IR CUT as Figure30.

<table>
<thead>
<tr>
<th>IR LED setting</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn Off IR LED</td>
<td>✔️</td>
</tr>
</tbody>
</table>
5.1.4. Security

5.1.4.1 User Setting

Access to User management, you can add or edit the user as Figure31.

<table>
<thead>
<tr>
<th>Username</th>
<th>Password</th>
<th>User authorization</th>
</tr>
</thead>
<tbody>
<tr>
<td>admin</td>
<td>*********</td>
<td>Administrator</td>
</tr>
<tr>
<td>user</td>
<td>*****</td>
<td>Operator</td>
</tr>
</tbody>
</table>

Tips: After setting up, click save and refresh button, the entering info will display in the webpage.

5.1.4.2 IP Filtering

You can set up the IP filtering to allow or deny some IP address to visit the device as below. As Figure32.

In IP Address filter, there are 2 settings: blacklist and whitelist.

- Whitelist: it allows the specified IP address to access the camera.
- Blacklist: it refuses the specified IP address to access the camera.
5.1.4.3 Mask Area

- “View Video-Mode 1”: the user can hide the specified area not to be monitored, Max.support 4 areas to be hidden. As Figure33.
- “View View-Mode 2”: It doesn’t support privacy setting.
5.1.5. Alarm

5.1.5.1. IO Detect

Access to IO detector, can enable detect function and set up input signal type as Figure34.

<table>
<thead>
<tr>
<th>IO setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>IO detector</td>
</tr>
<tr>
<td>Sensor type</td>
</tr>
</tbody>
</table>

5.1.5.2. Motion Detection

- "View Video-Mode 1" : Access to motion detection, you can set up Max 4 detection area, also can set up the sensitivity for every area as Figure35.

<table>
<thead>
<tr>
<th>Window 1</th>
<th>Window 2</th>
<th>Window 3</th>
<th>Window 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity: 50</td>
<td>Sensitivity: 50</td>
<td>Sensitivity: 50</td>
<td>Sensitivity: 50</td>
</tr>
</tbody>
</table>

Save | Refresh
“View Video-Mode 2” : User only can set one area for motion detection, and input sensitivity, as Figure 36.

Notice: the higher the sensitivity, the greater the number.

5.1.5.3. Audio Detection

Access to audio detection, you can enable audio detection and set up sensitivity of it as Figure 36.

5.1.5.4. Linkage alarm setting

You can set up IO detect, motion detection and audio detect, it can linkage to trigger the action: snapshot to Email or FTP server or SD card, recording to FTP server or SD card, and trigger IO output as Figure 37.
Tips: The usage for combination of alarm trigger in alarm trigger type:

For example, you enable the audio detection and motion detection, so the camera is enabled combination of alarm trigger, it will perform the action in alarm action setting when the audio detect and motion detection detect any change.

5.1.5.5. Protected duration setting

After setting up alarm detect type and alarm trigger linkage, you need to set up protected duration. You must set it, then the camera perform trigger linkage; the time format is 7 days, 24 hours per day, 15 minutes per a block as Figure38.
5.1.6. Storage

5.1.6.1. SD/TF Management

Access to SD/TF management, you can check and download recording and snapshot file in SD/TF card, and check SD/TF card remaining capacity, format SD/TF as Figure 39.

![Figure 39](image)

5.1.6.2. SD/TF Capture setting (Timing Snapshot)

Access to SD/TF capture, you can enable timing snapshot and set up snapshot time interval and snapshot duration; time format is 7 days, 24 hours per day, 15 minutes per a block as Figure 40.

![Figure 40](image)

5.1.6.3. SD/TF Card Recording Setting

Access to SD Card Recording Setting, you can enable SD recording and set up recording duration.
for every file; time format is as 7 days, 24 hours a day, 15 minutes per a block as Figure 41.

Tips: it will overwrite SD/TF recording file automatically by default, also overwrite previous recording file when the SD/TF space is full.

5.1.7. Log

Access to Log menu, you can check the user operation log as Figure 42.

15-11-17 09:48:55, admin, set mac address
15-11-18 11:47:55, admin, set wifi
5.2. Local Setting

Access to local configuration, you can set up recording path, snapshot path and recording duration as Figure43.

Tips:
- You must use administrator to run the browse, then recording path and snapshot path can be save successfully at above IE9; the default recording path is D:\HYRec.
- You can enable to show motion detection frame when viewing video.
- If select <Video View-Mode 2>, it doesn't support local configuration function.

<table>
<thead>
<tr>
<th>Path setting</th>
<th>C:\Documents and Settings\All Users</th>
<th>Browse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recording duration</td>
<td>600 Second</td>
<td></td>
</tr>
<tr>
<td>Show motion detection frame</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

Figure43