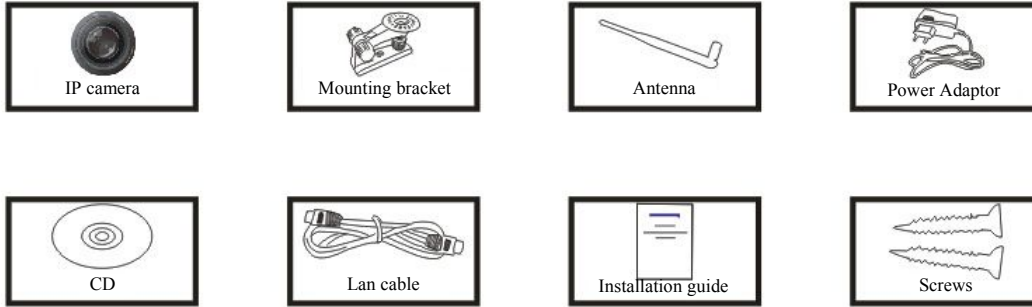



Wanscam

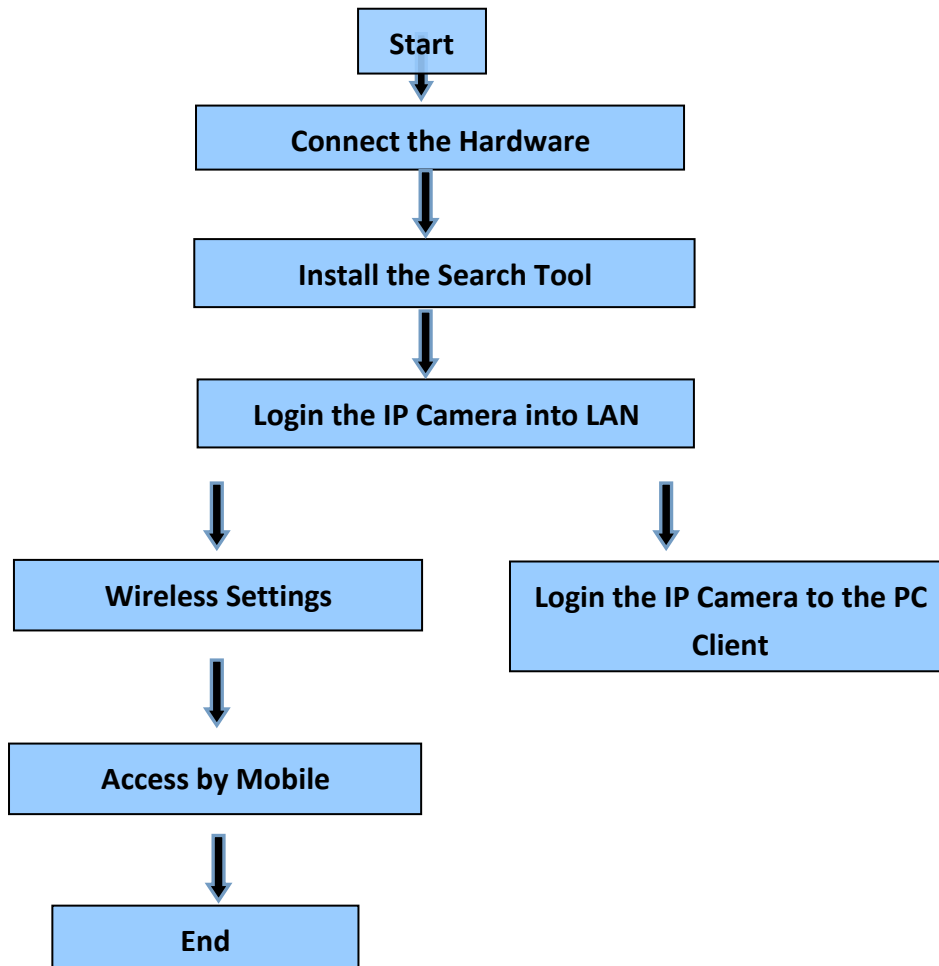
HW series IP Camera PC Web User Manual


Packing list:

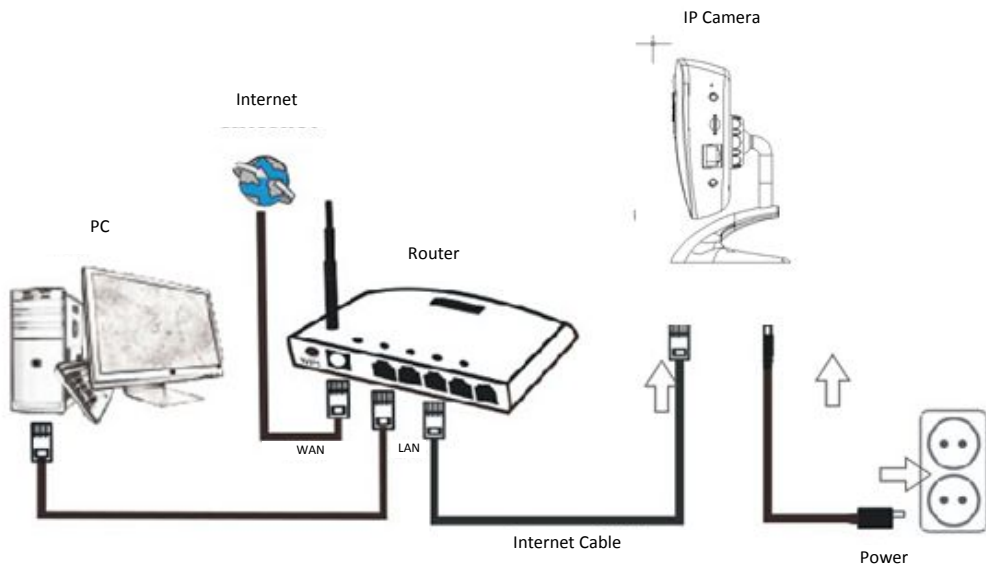
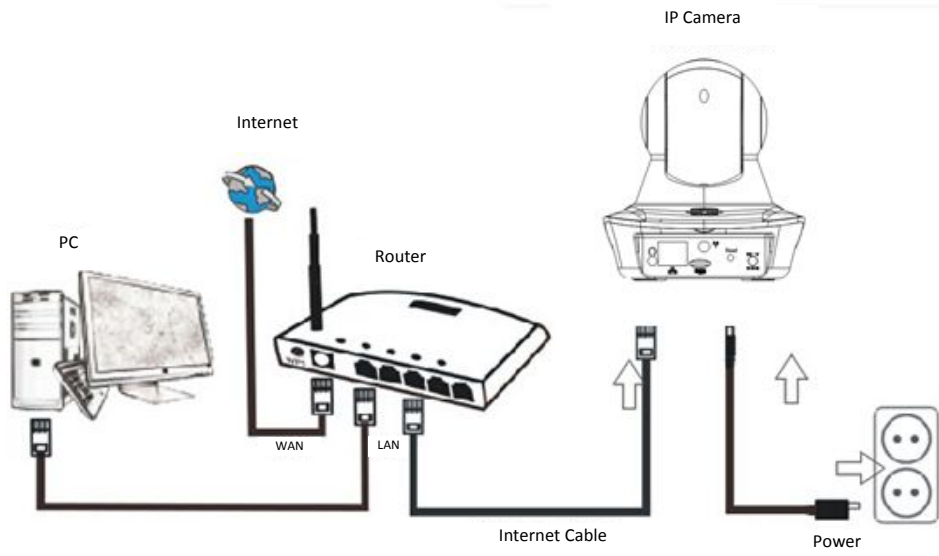


 **Note:** Some models don't have a separate antenna.

Installation procedure:



 **Note:** For the first time use of IP Camera, please refer to the procedures above.



Connect the camera with Internet cable to the router, and with the power cord to the mains, like shown above.

1. Installation of the Search Tool

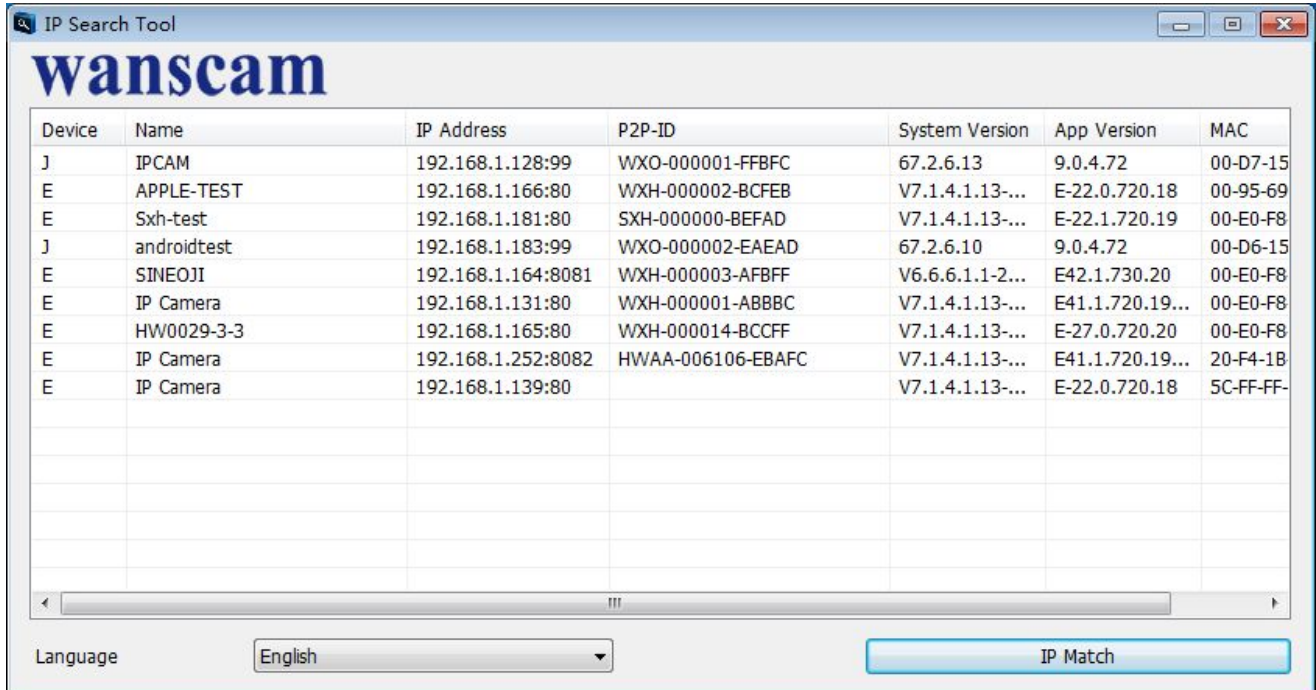


Insert the CD and install the following software:

1. Open the File "Browser view" Open "HW", click on "OCX setup" — "Next" — "Install" — "Finish"
2. Open the File "Search Tool", Copy the "Search Tool" to the desktop and launch it.

2. Login of the IP Camera into the LAN

After the hardware is connected properly, launch the search tool, and the IP address of the camera will be displayed automatically.

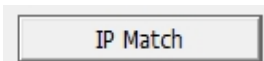


The screenshot shows the 'IP Search Tool' window with the 'wanscam' logo. It displays a table of discovered devices with the following columns: Device, Name, IP Address, P2P-ID, System Version, App Version, and MAC. The table contains 10 rows of data, including various test devices and IP cameras.

Device	Name	IP Address	P2P-ID	System Version	App Version	MAC
J	IPCAM	192.168.1.128:99	WXO-000001-FFBFC	67.2.6.13	9.0.4.72	00-D7-15
E	APPLE-TEST	192.168.1.166:80	WXH-000002-BCFEB	V7.1.4.1.13-...	E-22.0.720.18	00-95-69
E	Sxh-test	192.168.1.181:80	SXH-000000-BEFAD	V7.1.4.1.13-...	E-22.1.720.19	00-E0-F8
J	androidtest	192.168.1.183:99	WXO-000002-EAEAD	67.2.6.10	9.0.4.72	00-D6-15
E	SINEOJI	192.168.1.164:8081	WXH-000003-AFBFF	V6.6.6.1.1-2...	E42.1.730.20	00-E0-F8
E	IP Camera	192.168.1.131:80	WXH-000001-ABBBC	V7.1.4.1.13-...	E41.1.720.19...	00-E0-F8
E	HW0029-3-3	192.168.1.165:80	WXH-000014-BCCFF	V7.1.4.1.13-...	E-27.0.720.20	00-E0-F8
E	IP Camera	192.168.1.252:8082	HWAA-006106-EBAFC	V7.1.4.1.13-...	E41.1.720.19...	20-F4-1B
E	IP Camera	192.168.1.139:80		V7.1.4.1.13-...	E-22.0.720.18	5C-FF-FF-

At the bottom of the window, there is a 'Language' dropdown menu set to 'English' and a blue 'IP Match' button.


 **Note:** If the Search Tool issues the message "**Subnet mask does not match**", please click



Double click the camera IP address in the search tool.

In your default browser a login screen like shown below will be displayed:




 **Note:** Both the username and password are “admin”


(Please change the account user name and password for safety later)

After entering the correct user name and password, the **Login** screen will be displayed.

(It supports 6 visitors watching online at the same time)



 **Note:** If the OCX already has been installed you may login directly. If not, please install OCX.


A. Click on  to download and Install it.


B. Refresh the webpage and login again, the camera video will be displayed as below

Live video



3. Wireless Setting

1. Click on the  button to access the "Wireless settings".
2. Search for the WIFI signals and choose the desired SSID.
3. Make sure that all parameters are the same like in your router, enter the WIFI network key.
4. Click on "Check", after 30 seconds, the notification will show you if the WIFI settings are successful.
5. If correct, just go back to select "Apply", then disconnect the network cable.

 **Note:** If the camera IP Address can not be found by the search tool, please connect the internet cable again to check the WIFI settings.

Wireless	
Enable Wireless	<input checked="" type="radio"/> On <input type="radio"/> Off
SSID	<input type="text" value="wanscam_241"/> <input type="button" value="search"/>
Security mode	WPA2-PSK ▾
WPA Algorithm	AES ▾
Key	<input type="text" value="••••••••"/>
Re-type key	<input type="text" value="••••••••"/>


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Checking the WIFI signal connection status

Checking WiFi, please wait about 30 seconds.

Connected to WiFi successfully.
Select "Apply" to save these settings.

4. Device information Setting


- 1) Click on the  icon to access the " Device information" settings
- 2) You will see all information for the IP camera

Device information	
Device ID:	IP Camera
P2P ID :	HWAA-006106-EBAFC
Network Connection Status:	WiFi
Current Visitors:	0
Software Version:	V7.1.4.1.13-20151104
Webware Version:	E41.1.720.19[IPC-1030]
Mac address:	20:F4:1B:1F:CB:24
IP address:	192.168.1.252
Subnet mask:	255.255.255.0
Gateway:	192.168.1.1
Primary DNS:	202.96.134.33
Manufacture's DDNS status:	Failed
Third Party DDNS status:	Dyndns Failed http://mydomain.dyndns.org
System Start Time:	1970-01-01 08:00:22
SD Card status:	No SD card Browse SD Card.. Format SD Card as fat32 Stop SD Card

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5. Time Settings




- 1) Click on the  icon to access the "Time set"
- 2) You may choose any NTP server, then click on "Apply"
- 3) Choose the desired time and click on "Apply" to activate it

Time Settings	
Device Date Time	2015-11-14 15:57:07
Network Time Server	<input checked="" type="checkbox"/>
NTP server	time.windows.com
Interval	01 hours
Time zone	(GMT+08:00) Beijing, Singapore, Taipei

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6. Record settings



- 1) Click on the  icon to access the “Record settings”
- 2) Choose “on”
- 3) Choose between “First stream” or “Second stream”
- 4) Choose the time schedule for recording
- 5) Click on “Apply”

Record Settings

Whether to Record: On Off

Stream:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sunday																								
Monday																								
Tuesday																								
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7. Alarm Settings & Motion Detection Configuration

- 1) First, you should activate the “Motion detection” and choose the display detail that should be monitored (you may alter the detail as require).

Motion detection

IP Camera 2015-11-14 16:02:42

<input checked="" type="checkbox"/> Window1	<input checked="" type="checkbox"/> Window2	<input checked="" type="checkbox"/> Window3	<input checked="" type="checkbox"/> Window4	Apply
Sensitivity:	Sensitivity:	Sensitivity:	Sensitivity:	
50	50	50	50	

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2) You may choose the “Alarm trigger ringtone” and time schedule, then click on “Apply”, If the motion detect detects a motion in the configured display detail the alarm bell will ring (The model without audio function is not provided with this alarm ring tone notification)

Alarm

Linkage set

- E-mail Alarm and Send Picture
- Save Picture to the FTP Server
- Save Video to the FTP Server
- Relay out 5 sec
- Save Picture to the SD Card
- Save Video to the SD card
- The alarm triggering siren
- Alarm preset 1

Image capture number 1

schedule Select List Clear List

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sunday	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Monday	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Tuesday	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Wednesday	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Thursday	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Friday	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Saturday	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Apply Cancel

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8. Alarm Notification Setting & Email, FTP

- 1) The email configuration screen serves for the preparation of the alarm function. If the motion detect activates your camera is triggered, you will receive an email containing photos. Precondition for this is the correct setup and test of the service. Here the configuration of a Gmail account as example:

Email Setting	
SMTP server:	smtp.gmail.com Server Port 25
Safe link	STARTTLS
Authentication	<input checked="" type="radio"/> On <input type="radio"/> Off
User name	111111111@gmail.com
Password	●●●●●●●●●●
Receiver	22222222@gmail.com
Sender	111111111@gmail.com
Subject	test
Message	ok (the max length is 127)
Test Email settings	<input type="button" value="Test"/> Please set first, and then test.

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Note: This function only works if the IP camera is connected to the network. If you use Gmail, you must configure the port as 465, SSL as TLS. But the most important is, that you check if your email client has SMTP enabled.

- 2) FTP service is a precondition for the alarm function. If the motion detect activates your camera an email with photos will be submitted to you. For this it is required that you configure the email service correctly in check it for functionality. For example:

FTP	
Server Address	192.168.1.254
Server Port	21
User name	admin
Password	••••••••
Passive mode	<input checked="" type="radio"/> On <input type="radio"/> Off
Storage Path	/
Test FTP settings	<input type="button" value="Test"/> Please set first, and then test.

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3) Alarm Service Settings, please enter the same settings like in the screenshot below:

Alarm																																																																																																																																																																																																									
Linkage set	<input checked="" type="checkbox"/> E-mail Alarm and Send Picture																																																																																																																																																																																																								
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	<input type="checkbox"/> Save Video to the FTP Server																																																																																																																																																																																																								
	<input type="checkbox"/> Relay out <input type="text" value="5 sec"/>																																																																																																																																																																																																								
	<input type="checkbox"/> Save Picture to the SD Card																																																																																																																																																																																																								
	<input type="checkbox"/> Save Video to the SD card																																																																																																																																																																																																								
	<input type="checkbox"/> The alarm triggering siren																																																																																																																																																																																																								
	<input type="checkbox"/> Alarm preset <input type="text" value="1"/>																																																																																																																																																																																																								
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	<input type="button" value="Apply"/> <input type="button" value="Cancel"/>																																																																																																																																																																																																								

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9. System log & Net work setting

1). System log is intended for administrators to monitor the system operation

```
[2015_11_13 18:29:43] user (admin) login for live stream.
[2015_11_13 18:29:48] user (admin) logout from live stream.
[2015_11_13 18:30:01] user (admin) login for live stream.
[2015_11_13 18:30:04] user (admin) logout from live stream.
[2015_11_13 18:30:06] user (admin) login for live stream.
[2015_11_13 18:30:08] user (admin) logout from live stream.
[2015_11_13 18:30:16] user (admin) login for live stream.
[2015_11_13 18:30:18] user (admin) logout from live stream.
[2015_11_13 18:34:29] user (admin) login for live stream.
[2015_11_13 18:34:32] user (admin) logout from live stream.
[2015_11_13 18:34:32] user (admin) login for live stream.
[2015_11_13 18:34:34] user (admin) logout from live stream.
[2015_11_13 18:35:25] user (admin) login for live stream.
[2015_11_13 18:35:29] user (admin) logout from live stream.
[2015_11_13 18:35:33] user (admin) login for live stream.
[2015_11_13 18:35:34] user (admin) logout from live stream.
[2015_11_13 18:35:36] user (admin) login for live stream.
[2015_11_13 18:35:38] user (admin) logout from live stream.
[2015_11_13 18:35:39] user (admin) login for live stream.
[2015_11_13 18:35:40] user (admin) logout from live stream.
[2015_11_13 18:35:41] user (admin) login for live stream.
[2015_11_13 18:35:43] user (admin) logout from live stream.
[2015_11_13 18:37:00] user (admin) login for live stream.
[2015_11_13 18:37:02] user (admin) logout from live stream.
[2015_11_13 18:37:02] user (admin) login for live stream.
[2015_11_13 18:37:03] user (admin) logout from live stream.
[2015_11_13 18:38:43] user (admin) login for live stream.
[2015_11_13 18:38:44] user (admin) logout from live stream.
[2015_11_13 18:38:45] user (admin) login for live stream.
[2015_11_13 18:38:47] user (admin) logout from live stream.
[2015_11_13 18:38:48] user (admin) login for live stream.
[2015_11_13 18:38:50] user (admin) logout from live stream.
[2015_11_13 18:38:50] user (admin) login for live stream.
[2015_11_13 18:38:52] user (admin) logout from live stream.
[2015_11_13 18:40:09] user (admin) login for live stream.
[2015_11_13 18:40:35] user (admin) logout from live stream.
```

Clear Log Refresh

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2). In "Network Settings" you may modify the IP address, gateway and port number

LAN Settings	
IP Configuration Type	Fixed IP Address
IP address	192.168.1.252
Subnet mask	255.255.255.0
Gateway	192.168.1.1
DNS Configuration Type	Manual DNS
Primary DNS	202.96.134.33
Secondary DNS	202.96.128.86
HTTP Port	8082 (80 or 1024~49151)
RTSP Port	554 (554 or 1024~49151)
Rtmp	1935
RTSP Permission verify	<input checked="" type="radio"/> On <input type="radio"/> Off (Note: Modify the settings, reboot the device)

Apply Cancel

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10. DDNS Setting

1) Click on the  icon and the choose "DDNS Service Settings".

- 2) Choose the DDNS server, enter the DDNS user name and password.
- 3) Submit, refresh, then the DDNS status will be shown as "DDNS Succeed".

DDNS	
Main DDNS	<input checked="" type="radio"/> On <input type="radio"/> Off
Server Address	<input type="text" value="ipcpnp.com"/>
Server Port	<input type="text" value="80"/>
User name	<input type="text" value="ip1233"/>
Password	<input type="password" value="....."/>
3th DDNS	<input checked="" type="radio"/> On <input type="radio"/> Off
Server Provider	<input type="text" value="Dyndns.org"/>
User name	<input type="text" value="myuserid"/>
Password	<input type="password" value="....."/>
Your Domain	<input type="text" value="mydomain.dyndns.org"/>

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11. PTZ Setting & User Setting

- 1). Here you may configure some PTZ options

PTZ set	
Cruise laps	<input type="text" value="1"/> (1-50)
PTZ speed	<input type="text" value="Medium"/>
Centered after Self-check	<input type="radio"/> On <input checked="" type="radio"/> Off
Close the alarm while PTZ movement	<input checked="" type="radio"/> On <input type="radio"/> Off

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2). Modification of the user password

User Settings			
Preview	User name	Password	Re-type password
admin	<input type="text" value="admin"/>	<input type="password" value="....."/>	<input type="password" value="....."/>
user	<input type="text" value="user"/>	<input type="password" value="...."/>	<input type="password" value="...."/>
guest	<input type="text" value="guest"/>	<input type="password" value="....."/>	<input type="password" value="....."/>

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12. Multiple Settings

- 1) Refresh the device in the LAN search, then you will find other cameras connected to the same LAN
- 2) Click on the “2nd device”
- 3) Click on the desired the camera to add it as the 2nd device , enter the correct user name and password
- 4) Click on “Apply”
- 5) You may add up to 9 cameras to the multiple settings

Multiple settings	
Lan Search	<div style="border: 1px solid black; padding: 5px;"> APPLE-TEST(192.168.1.166) IP Camera(192.168.1.131) IP Camera(192.168.1.130) Sxh-test(192.168.1.181) IP Camera(192.168.1.139) HW0029-3-3(192.168.1.165) SINEOJI(192.168.1.164) IP Camera(192.168.1.252) </div> <input type="button" value="Refresh"/>
The 1st device	Local Host
The 2nd device	None
The 3rd device	None
The 4th device	None
The 5th device	None
The 6th device	None
The 7th device	None
The 8th device	None
The 9th device	None

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13. Maintenance & ONVIF

1) With this option you may restore the camera to its factory settings, and perform firmware updates.

Initialize	
Reboot	<input type="button" value="reboot"/>
Restore Factory Defaults	<input type="button" value="factory default"/>
Upgrade	<input type="text"/> <input type="button" value="浏览..."/> <input type="button" value="ok"/>

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2) ONVIF Support

ONVIF	
onvif:	<input checked="" type="radio"/> On <input type="radio"/> Off
Server Port:	<input type="text" value="8080"/>
Preview:	<input type="radio"/> Check type <input checked="" type="radio"/> No check
Time zone Settings:	<input checked="" type="radio"/> Allow <input type="radio"/> Prohibit
Image Parameters Settings:	<input type="radio"/> Allow <input checked="" type="radio"/> Prohibit

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14. Auto Snap & Video Mark

1) Capturing of images to the SD card and FTP upload

Auto Snap	
SD card Snapshot interval:	60 sec
	<input type="checkbox"/> Save Picture to the SD Card
FTP Snapshot interval:	60 sec
	<input type="checkbox"/> Save Picture to the FTP Server FTP

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2) Select the screen detail (you can change the size of the window), click on "Apply" and an obscured screen area appears

Video mask				
IP Camera		2015-11-14 16:03:37		
<input checked="" type="checkbox"/> Window1	<input type="checkbox"/> Window2	<input type="checkbox"/> Window3	<input type="checkbox"/> Window4	<input type="button" value="Apply"/>
Color: 000000	Color: 000000	Color: 000000	Color: 000000	

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15. Image setting

- 1) Click on apply to modify the brightness, saturation, sharpness, exposure, contrast
- 2) Click on the application to modify the exposure mode, infrared lamp,
- 3) Click on applications to change the value of the IR-cut
- 4) If you click on "Default" all image settings will restored to the default value

The screenshot displays the 'Image settings' configuration page. At the top, there is a live video feed showing a reception desk with a sign for '深圳市兴华安科技有限公司' (Shenzhen Wanscam Technology Co., Ltd.). Below the video, the settings are organized into a table-like structure:

Mode: ColorMode	
Brightness:	50
Saturation:	120
Contrast:	50
Sharpness:	60
AE target:	64
<input checked="" type="checkbox"/> Flip	<input checked="" type="checkbox"/> Mirror
<input type="checkbox"/> WDR	
Aemode:	Auto
Imgmode:	Illuminance
IR LED Control:	Auto
IR Cut:	750 (1-1024, the late value, the greater the switching time)


At the bottom of the settings panel are three buttons: 'Apply', 'Cancel', and 'Default'. To the right of the main content area is a vertical navigation menu with the following items: Device information, Time set, Video settings, Audio Settings, Record Settings, Alarm Service Settings, Email, FTP, System Log, Network Settings, Wireless, DDNS Settings, PTZ set, Multiple settings, User Settings, Maintain, ONVIF, Motion detection, Auto Snap, Video mask, **Image**, and Back.

FAQ:

A. Password forgotten

- 1) Reset your camera. While the power is on, you must press the RESET button for 10 seconds. The button you will find at the bottom of the camera. With outdoor cameras the white reset button is located at the end of the power cord.
- 2) After the reset is completed, the camera is reset to the factory settings, then the username and the password is "admin".

B. No video, only a black screen, is displayed in the browser

 Note: If there is still no live video after running OCX ActiveX, please try to enable the ActiveX options in the IE security settings by performing the following steps:

1. Deactivate the firewall of your computer.

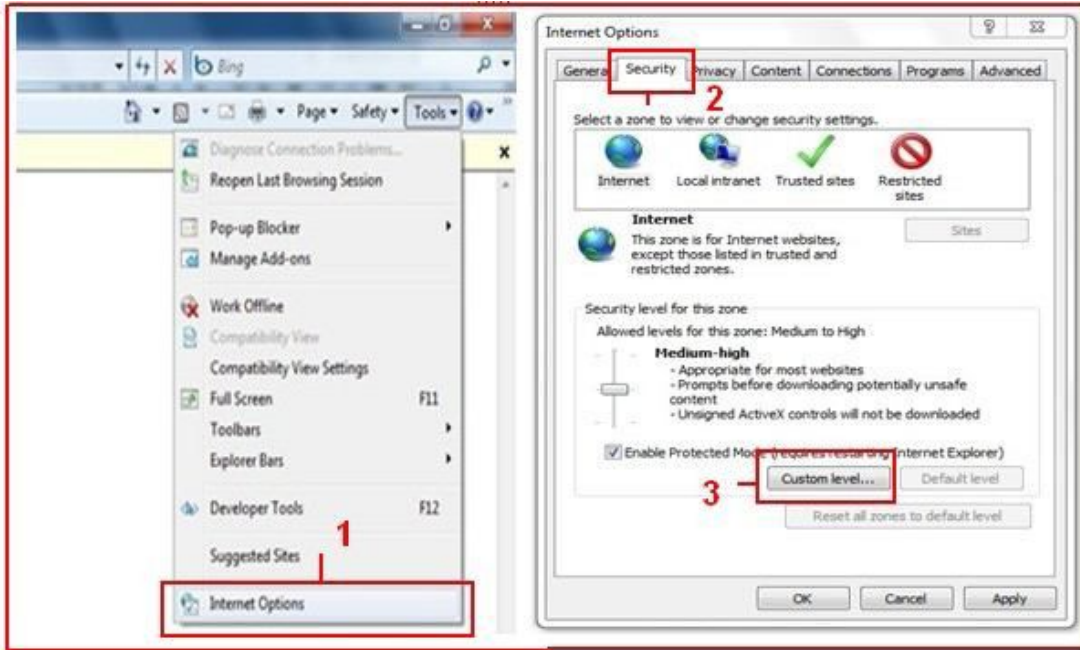
2. Change the ActiveX settings in "IE" browser > "Tool" > "Internet Options" > "Security" > "Custom Level" > "ActiveX control and Plug-ins", all ActiveX options should be configured as "Enable":

Especially:

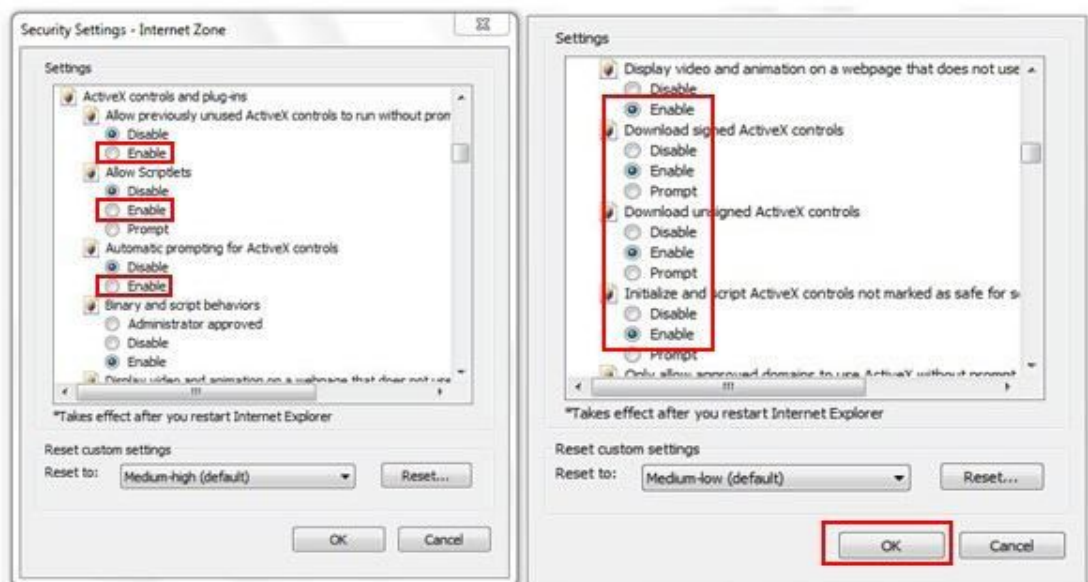
Enable: Download unsigned ActiveX controls

Enable: Initialize and script ActiveX controls not marked as safe

Enable: Run ActiveX controls and plug-ins



a.



b.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.