

# ***Wifi/IP Camera Instructions***

## **Chapter 1 Introduction**

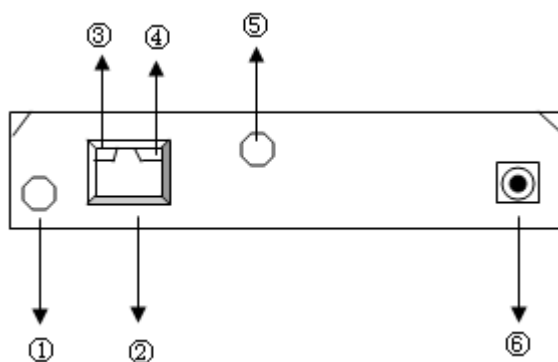
This product is made from high-performance chips to achieve a media processor integrated with acquisition, compression and transmission on audio and video frequency. A standard H.264/Motion-JPEG encoding algorithm ensures clearer and smoother video transmission effect. users are allowed to perform centralized monitoring on clients and mobile phone clients via browsers, such as IE, thus conveniently realizing real-time monitoring and remote control on front cameras. This product has good reliability and compatibility as well as simple installation and easy operation, so users can connect the cameras to wideband networks within few minutes without any skills.

# Chapter 2 Camera installation guide

## Product overview



①---WiFi antenna; ②---LDR(light dependent resistor); ③---lens; ④---PTZ; ⑤---Infrared lamp; ⑥---Microphone; ⑦---Base;



①---Audio output; ②---Network port; ③---web working station indicator; ④---Power light; ⑤---WiFi antenna connector; ⑥---Power interface

## Reset button

Reset button is on the base of the device, just press and hold the button for 10 seconds to restore factory settings, the device will restart.

# Chapter 3 Features

## 1. Basic features

The basic function of IPCAM is to provide remote video on the IP network. Real-time video images (720P, QVGA and VGA) quality are transmitted at up to 30fps on the LAN/WAN by using H.264/MJPEG hardware compression technique.

IPCAM is completely based on TCP/IP standard network protocol, Embedded WEB server in IPCAM supports IE browser, Centralized monitoring the client and mobile phone client browser. Therefore the management and maintenance of your device is simplified by using the network to remotely configure, start-up, and upgrade the firmware of your IPCAM. You can easily monitor and control image anytime in any place via clicking on the net.

## 2. Advanced Features

- Powerful High-performance media processor 32Bit RSIC
- High Definition COMS Sensor, up to real-time 30fps
- Optimized Motion—JPEG/H.264 video compression algorithm for high-definition video transmission
- Support livestream, videostream and snapshot mode, each mode can be browsed by 4 users or less.
- Embedded Web Server for users to realize real-time monitoring and settings management
- Support WIFI WIRELESS LAN
- Support wireless P2P mode
- Support DDNS, you can add manufactories domain name.
- Support Motion Detection and Alarm by sending emails, ftp pictures and Output warning.
- Support mobile phones
- Support 16 preset positions and call for warning
- Support two-way voice intercom

### 3. Technical parameters

Image compression format	H.264(720P)/ MJPEG
Sensor	CMOS, 1/4"
Image resolution	720P(1280 X720)VGA (640X480) QVGA (320X240)
WIN (Wireless network interface)	802.11b/g
working frequency	2400 — 2483.5MHz
network protocol	TCP/IP, DHCP, SMTP, HTTP, UPNP, PPPoE, FTP
maximum transmission rate	30fps
Alarm control	Output and input
PTZ control range	Vertical patrol(up and down) : 120° Horizontal patrol(left and right): 355°
Motion Detedion	Support
software upgrades	Automatically upgrade
Monitor system	Support 3 modes
Playback mode	Windows media player
security	password settings
minimum illumination	2.0Lux@550nm
Working environment	0 — 50° , 20%— 80%PH
Power supply	DC 5V/2A


# Chapter 4 web instructions

## 1. Search Tool:

1.1 Please connect the camera to the power and network cable, then open to enter the following interface:



The screenshot shows a window titled "搜索" (Search). On the left, a list of devices is shown, with "hdy001(192.168.1.103)[81]" selected and circled in red. Below the list is a button labeled "一键修改不匹配IP". At the bottom left is a button labeled "刷新" (Refresh), also circled in red. On the right, the "基本信息" (Basic Information) tab is active, displaying configuration details for the selected device. The fields include: IP地址 (192.168.1.103), 子网掩码 (255.255.255.0), 网关 (192.168.1.1), DNS1 服务器 (8.8.8.8), DNS2 服务器 (255.255.255.255), MAC地址 (00:41:7c:2c:5b:92), 端口 (81), 设备ID (OBJ-000888-KYTDL), and 设备名称 (hdy001). A "设置" (Settings) button is located at the bottom right of the configuration area. At the very bottom of the window are fields for "用户名" (admin) and "密码", and a "清除Arp" button.

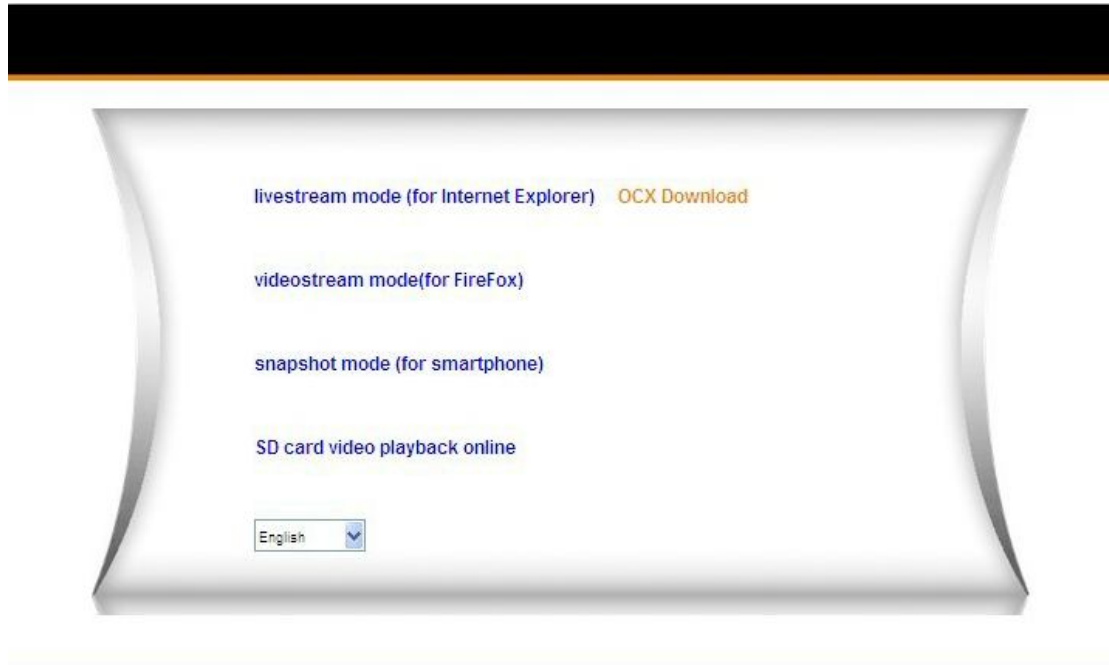
1.2 Then click  to search online cameras, double click the selected camera:

The screenshot shows a login dialog box titled "连接到 192.168.1.103". It contains a message: "位于 GoAhead 的服务器 192.168.1.103 要求用户名和密码。" (The server 192.168.1.103 on GoAhead requires a username and password). Below this, there are fields for "用户名 (U):" and "密码 (P):". The "用户名" field has a dropdown menu with "admin" selected and circled in red. The "密码" field is empty. There is a checkbox labeled "记住我的密码 (R)" which is checked. At the bottom, there are two buttons: "确定" (OK) and "取消" (Cancel). The "确定" button is circled in red.

1.3 Input the user name: "admin", password is blank. Click

确定

## 2. Select Language and Login mode



简体中文

Select language

2.1 Double click the selected mode to enter IE page, It will appear a prompt as below:



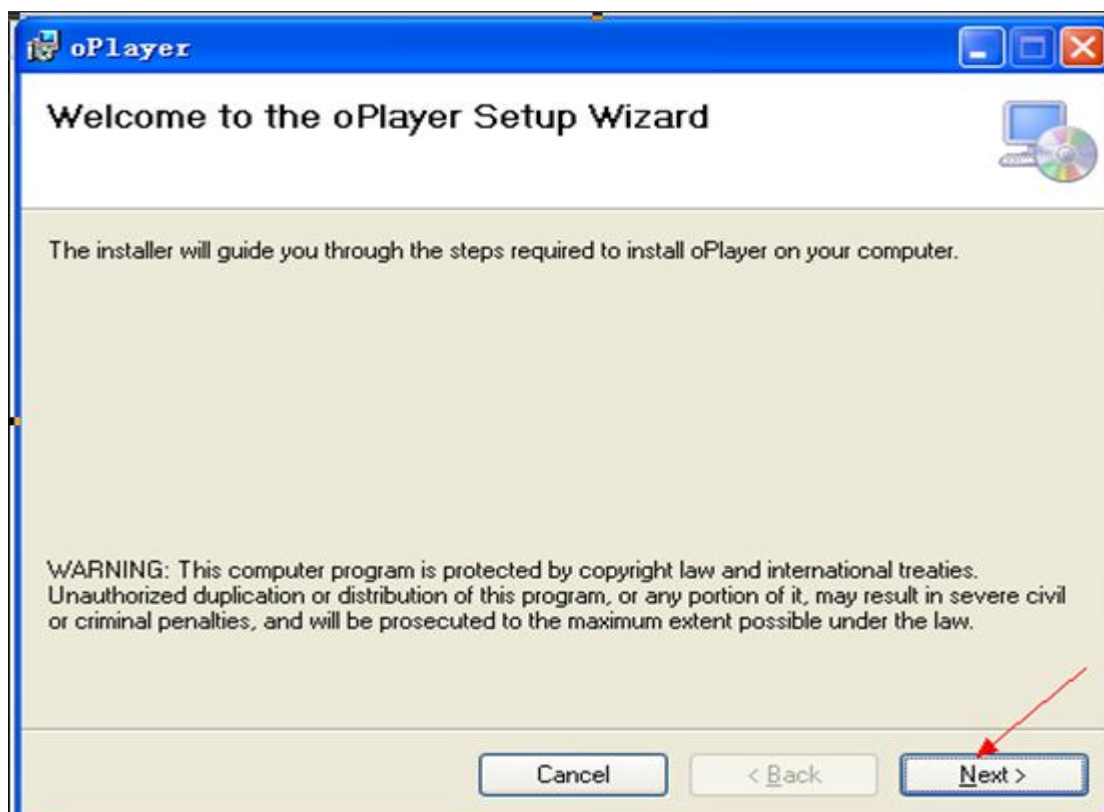
2.2 You need to download and install OCX plug-in for first time using IE.





2.3 Click here to Download or open the file to specified folder:

2.4 Install directly after decompression



2.5 Refresh the IE page to watch video after installation

### 3. Direction for using IE operating interface

#### 3.1 Direction for main interface



: PTZ control



: OSD message



: up and down patrol



: left and right patrol



: Flip vertical image



: mirroring image



: IO switch



Mode

: You can choose 50HZ or 60HZ to adjust indoor and outdoor mode.

Resolution

: Resolution adjustment; 720p ( 1280×720 )  
VGA(640×480) and QVGA(320×240) can be set.

FrameRate

: Frame rate adjustment; 1-30 frame rate can be set

Brightness

Contrast

: Adjustable if needed;

Default video param all

Factory default: It's used to restore factory default in case you adjust disorderly

Pri Call Set : You can create 16 preset positions



: monitoring, You can listen to the sound from the camera where it is located



: When click both icons, the operator and front of the camera can achieve two-way voice intercom.



: Local video



: Snapshot



: parameters settings



: Support switching among one screen, four and nine screens



: Adjust the PTZ speed

### 3.2 Basic information



Click to enter parameter management page in the main interface as follows:

Device basic information

Device information

Alias Settings

Device date&Time Settings

Record Path

Record Schedule

Alarm Service Settings

Alarm Service Settings

Mail Service Settings

Ftp Service Settings

Alarm Log

Network configuration

Basic Network Settings

Wireless Lan Settings

DDNS Service Settings

PTZ configuration

PTZ Settings

User&device manage

Multi-Device Settings

Users Settings

Maintain

Back

Device Status

Device Firmware Version	0.2.64.39
Device Embedded Web UI Version	0.0.0.52 hd
Alias	hdy001
Device ID	OBJ-000888-KYTDL
Alarm Status	None
UPnP Status	UPnP Failed: Errors in Network Communication
DDNS Status	No Action
MAC	00:41:7C:2C:5B:92
WIFI MAC	00:41:7C:2C:5B:93
Externwifi status	Externwifi OK
sd total capacity(M)	1894 M
sd remaining capacity(M)	272 M
sd state	SD card has been inserted
Language	English

Refresh

### 3.2.1 Device information

Click **Device information** as follows:

<b>Device basic information</b>	<b>Device Status</b>	
<b>Device information</b>	Device Firmware Version	0.2.64.39
Alias Settings	Device Embeded Web UI Version	0.0.0.52 hd
Device date&Time Settings	Alias	hdy001
Record Path	Device ID	OBJ-000888-KYTDL
Record Schedule	Alarm Status	None
<b>Alarm Service Settings</b>	UPnP Status	UPnP Failed: Errors in Network Communication
Alarm Service Settings	DDNS Status	No Action
Mail Service Settings	MAC	00:41:7C:2C:5B:92
Ftp Service Settings	WIFI MAC	00:41:7C:2C:5B:93
Alarm Log	Externwifi status	Externwifi OK
<b>Network configuration</b>	sd total capacity(M)	1894 M
Basic Network Settings	sd remaining capacity(M)	138 M
Wireless Lan Settings	sd state	SD card has been inserted
DDNS Service Settings	Language	English <input type="button" value="v"/>
<b>PTZ configuration</b>	<input type="button" value="Refresh"/>	
PTZ Settings		
<b>User&amp;device manage</b>		
Multi-Device Settings		
Users Settings		
Maintain		
Back		

**Device Firmware Version**: The version number of system software

**Device Embeded Web UI Version**: The version number of application software

**Alias**: Display the name of device (customers can set the name if they want)

**Device ID**: That is Factory Series No.

**Alarm Status**: Alarm status display

**UPnP Status**: You can see whether the device enabled UPNP function and its state

**DDNS Status**: You can see a prompt of DDNS server if DDNS is set normally,

**MAC**: Display wired MAC address of the device

**WIFI MAC**: Display Wireless MAC address of the device

### 3.2.2 Video path

Click **Record Path** as shown below:

The screenshot shows a web interface with a sidebar menu on the left and a main content area. The sidebar menu includes sections like 'Device basic information', 'Alarm Service Settings', 'Network configuration', 'PTZ configuration', and 'User&device manage'. The 'Record Path' option is highlighted in the sidebar. The main content area has a title 'Record Path' and a table with the following structure:

Record Path	
Record Path	C:\ <input type="button" value="select..."/>
	<input type="text" value="100"/>
	<input type="text" value="5"/>
	<input type="text" value="200"/>
	<input type="checkbox"/>

Below the table are two buttons: 'Submit' and 'Refresh'.

Local videos list: click  to choose where to store local videos.

### 3.3 Alarm service settings

#### 3.3.1 Alarm service

Click **Alarm Service Settings** as shown below:

The screenshot shows a web interface with a title 'Alarm Service Settings' and a table with the following structure:

Alarm Service Settings	
Motion Detect Armed	<input type="checkbox"/>
Alarm Input Armed	<input type="checkbox"/>
Alarm trigger event	
Alarm Arming Time	

Below the table are two buttons: 'Submit' and 'Refresh'.

Choosing alarm mode: If you select **Motion Detect Armed**, you will see:

Alarm Service Settings	
Motion Detect Armed	<input checked="" type="checkbox"/>
Motion Detect Sensibility	10 <small>The smaller the value, the more sensitive</small>
Alarm Input Armed	<input type="checkbox"/>
Alarm trigger event	
Alarm preset linkage	1
IO Linkage on Alarm	<input type="checkbox"/>
Send Alarm Notification by Mail	<input type="checkbox"/>
Upload Image on Alarm	<input type="checkbox"/>
Alarm Arming Time	
Scheduler	<input type="checkbox"/>

Submit Refresh

There are some Alarm modes for selection: IO Linkage, sending mails, uploading images, Alarm preset linkage. for example: all-day motion detection Arming, you can set detection sensitivity to 10; it will output high level via liking IO, sending mails, uploading a ftp image every 10 seconds, then aiming at preset position"1"; please see below settings:

Alarm Service Settings	
Motion Detect Armed	<input checked="" type="checkbox"/>
Motion Detect Sensibility	10 <small>The smaller the value, the more sensitive</small>
Alarm Input Armed	<input type="checkbox"/>
Alarm trigger event	
Alarm preset linkage	1
IO Linkage on Alarm	<input checked="" type="checkbox"/>
Output Level	High
Send Alarm Notification by Mail	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	10
Alarm Arming Time	
Scheduler	<input checked="" type="checkbox"/>
select all	<input checked="" type="checkbox"/>
Day	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Sun	
Mon	
Tue	
Wed	
Thu	
Fri	
Sat	

Submit Refresh

Click **Submit** to confirm.

## 4. Mail service settings

Click **Mail Service Settings**, the following screen will appear:

Mail Service Settings	
Sender	1714013224@qq.com
SMTP Server	Please select
SMTP Port	25
Need Authentication	<input checked="" type="checkbox"/>
SSL	TLS
SMTP User	
SMTP Password	
Receiver 1	jophy_hvc@yahoo.cn
Receiver 2	
Receiver 3	
Receiver 4	
<input type="button" value="Test"/> Please set at first, and then test.	
<input type="button" value="Submit"/> <input type="button" value="Refresh"/>	

The key feature is E-mail Alarm, if the camera is triggered alarm, it will send alarm messages to your settled email address.

**Sender**: fill in E-mail address of the sender.

**Receiver**: Fill in E-mail address to receive Alarm messages.

**SMTP Server**: Fill in the sender's mailbox website, such as QQ mailbox: smtp.qq.com

**SMTP User**: Fill in username of sender's mailbox

**SMTP Password**: Fill in the password of sender's mailbox

Note: The camera need to connect Internet, if the password of sender's mailbox changed, the camera password must be the same as mailbox password before normal using.

## 5. FTP service

Click **Ftp Service Settings** as shown below:

Ftp Service Settings	
FTP Server	<input type="text"/>
FTP Port	<input type="text" value="21"/>
FTP User	<input type="text"/>
FTP Password	<input type="password"/>
Upload Interval (Seconds)	<input type="text" value="0"/> Empty or 0 means do not upload pictures
	<input type="button" value="Test"/> Please set at first, and then test.

This feature is used to upload snapshots to specified folder on FTP server, it can't be normally used if there is no access to internet.

**FTP Server**: Fill in URL of the site on which you want to upload

**FTP Port**: The default is 21

**FTP User**: Fill in FTP username

**FTP Password**: Fill in FTP user's password

**Upload Interval (Seconds)**: Automatically and regularly upload capture pictures to FTP (in seconds)

## 6. Alarm log

Click **Alarm Log**, you can check alarm information in below blank form:

The screenshot shows the 'Alarm Log' section of a web interface. On the left, a sidebar menu lists various settings categories: Device basic information, Alarm Service Settings, Network configuration, PTZ configuration, and User&device manage. 'Alarm Log' is highlighted under the 'Alarm Service Settings' category. The main content area, titled 'Alarm Log', is a large empty box with a vertical scrollbar on the right. Below this area are two buttons: 'clear' and 'Refresh'.

## 7. Network configuration

Click **Wireless Lan Settings** to use WIFI as follows:

The screenshot shows the 'Wireless Lan Settings' section. The left sidebar menu has 'Wireless Lan Settings' selected under the 'Network configuration' category. The main area is divided into two parts. The top part is a table of detected wireless networks, and the bottom part is a configuration form for the selected network.

ID	SSID	BSSID	Signal Strength
13	Ienda_463DB0	C8:3A:35:46:3D:B0	Full
14	HengXi	4C:E6:76:AE:2C:CA	Full
15	ChinaNet-Dx6g	08:18:1A:8F:F3:A7	Full
16	ChinaNet-2A3v	B4:41:7A:A8:DF:E0	Full
17	ChinaNet-098t	B4:41:7A:42:84:94	Full
18	TP-LINK_433C1C	8C:21:0A:43:3C:1C	Full
19	shenzhenCNUN	00:21:27:31:CB:CC	Full
20	RUIZIM_SALES	94:0C:6D:46:A8:D0	Full
21	TP-LINK_D8646C	94:0C:6D:D8:64:6C	Full

Below the table is a 'Scan' button. The configuration form below has the following fields:

- Using Wireless Lan: ☒
- SSID: TP-LINK\_FDA419
- Network Type: Infra (dropdown)
- Authentication: WPA2-PSK Personal (AES) (dropdown)
- Share Key: hvk123456789

At the bottom of the form are 'Submit' and 'Refresh' buttons.



Click **Refresh** to search available wireless network and select one that you want to connect, it will automatically configure as the same way as the wireless router; then entering correct password for verification as required.

## 8. PTZ configuration

Click **PTZ Settings** as follows:

<b>Device basic information</b>	<b>PTZ Settings</b>
Device information	Singal lamp open <input type="button" value="v"/>
Alias Settings	against pre-bit <input type="checkbox"/>
Device date&Time Settings	Call Preset on boot Disable <input type="button" value="v"/>
Record Path	PTZ speed MED <input type="button" value="v"/>
Record Schedule	Cruise Views Always <input type="button" value="v"/>
<b>Alarm Service Settings</b>	<input type="button" value="Submit"/> <input type="button" value="Refresh"/>
Alarm Service Settings	
Mail Service Settings	
Ftp Service Settings	
Alarm Log	
<b>Network configuration</b>	
Basic Network Settings	
Wireless Lan Settings	
DDNS Service Settings	
<b>PTZ configuration</b>	
<b>PTZ Settings</b>	
<b>User&amp;device manage</b>	
Multi-Device Settings	
Users Settings	
Maintain	
Back	

**against pre-bit**: Without preset function when start using.

**Call Preset on boot**: 0-16 preset positions can be chosen, aiming at matched position when start the device; if it's prohibited, default position is in the center.

**PTZ speed**: Adjust the PTZ speed

**Cruise Views**: set and start "up and down "or "left and right" to inspect cruise laps

## 9. Back

Click **Back**, It will back to monitoring main interface