# Plug and play IP Camera Introduction Manual



20130705 V1.4

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## **Chapter I Introduction**

## **1.1 Product Feature**

This product does not require extra settings(plug and play),HD Series support TF Card recording ,easy to installation,can work in all kinds of network environment,support the CRC, Great Wall and other small broadband, Adopt P2P technology automatically adapts wired and wireless .No need professional network experience to view from remotely.

## **1.2 Product Picture**



## **1.3 Product Introduction**

High performance chip is used for audio and video collection,

compression and transmission. High-speed media processor, high-speed Motion - JPEG and H.264 coding algorithm of standard, make sure that the graphics effects and smooth video transmission effect, Giving you the "fool" experience of application, without professional knowledge of network, as long as you will use computer and cell phone on the Internet, you can use the camera (no need to distinguish between the Internet/LAN applications) for real-time video and voice conversation after installing the software. This series product is divided into five types:

P2P indoor PTZ IP Camera(MJPEG、HD).

P2P waterproof IP Camera (MJPEG、HD).

P2P HD DOME IPCAM.

P2P HD Mini IPCAM.

P2P HD PTZ IPCAM.

## **1.4 Interface Specification**

Interface Icon

#### MJPEG PT IPCAM Backboard

#### HD PT IPCAM Backboard





### MJPEG Outdoor IPCAM Inferface

## HD Outdoor IPCAM Interface





#### HD DOME IPCAM Interface



## HD Mini IPCAM Interface



#### **HD PTZ IPCAM Interface**



- ① External audio output: active external amplifiers.
- 2 Antenna interface: connect Wi-fi antenna
- ③WPS/RESET: Reset
- (4) Power: DC 5V/2A.
- ⑤Network interface: Steady green light/yellow light flashes
- ⑥I/O Alam: Alarm input
- ⑦TF Card: support TF Card.

## **Chapter II Product Application**

## 2.0 Installation operation

#### 2.01 Network connections

After power on and self-checking, Lens is in the center

position.Connect IP Camera to the router with cable.



## 2.1 IOS operation guidance

### 2.11 IOS Installation Guidance

After 2.01 finished

Step 1 Turn on the wifi of Iphone or iPad, search and connect the wifi.

Step 2: Open "App store" ,search "EyelPCam" and download.

Install the software, according to the prompt, complete installation step by step,EyeIPCam icon appears.

Step 3: click the EyeIPCam, (1) add a camera - (2) search-(3)selected WIFICAM-(4)completed -(5) switch to the camera - 6 selected WIFICAM and click , enter the monitor screen.Can directly at the camera when to add input ID in the ID, but can be by scanning qr code directly add camera base plate.



| M 令 上午11:33           |                  |     | 93% 🗩 <sub>No SIM</sub> 🔅 |    | 上年11:34  |                  |      |  |  |
|-----------------------|------------------|-----|---------------------------|----|----------|------------------|------|--|--|
| Back                  | Search Camera    |     | C                         |    | Back     | Add Camera       | Done |  |  |
| IPCAM<br>192.168.1    | .194             | (3) |                           |    | Camera I | nformation       | 4    |  |  |
| 保安室                   | 01-21011         | •   |                           |    | Name     | IPCAM            |      |  |  |
| 192.168.1<br>EST-0017 | .189<br>21-HDPSW |     |                           |    | CameralD | EST-002981-ZNJRY |      |  |  |
|                       |                  |     |                           |    | Username | admin            |      |  |  |
|                       |                  |     |                           |    | Password | input password   |      |  |  |
|                       |                  |     |                           |    | LAN Sear | rch              | >    |  |  |
|                       |                  |     |                           |    | Scan QR  | Code             | >    |  |  |
|                       |                  |     |                           | 1x |          |                  |      |  |  |



### 2.12 Wireless mode

(1)click et al. 2) set wifi---3) search wireless router---Select your wireless router---4) enter the password of router---click Done IPCam auto reboot. Pull up the cable connecting the IPCam and router.



|                   | 03 A MID 140 | om é  | ⊥+8:32         | 635  |
|-------------------|--------------|-------|----------------|------|
| Back WIFI Setting | C            | Back  | Enter Password | Done |
| SSID              |              | Passw | vord (4)       |      |
| not setting 3     |              |       | Ŭ              |      |
| Choose WIFI       |              |       |                |      |
| ChinaNet-f954     | >            |       |                |      |
| D-Link_DIR-600M   | >            |       |                |      |
| ChinaNet-4zni     | >            |       |                |      |
| 123               | >            |       |                |      |
| cisco             | >            |       |                |      |
| ChinaNet-rUwa     | >            |       |                |      |
|                   | tx           |       |                | 1x   |

**Note:** When using IOS access, there will be 180 seconds forwarding time if network is bad, Does not affect the user to view and operati on during this time, click exit or reconnect the IPCAM.

## 2.2 Android operation guidance.

### 2.21 Android Installation Guidance

After 2.01 finished

Step 1:Turnon the wifi oa Android, search and connect the wifi router.

Step 2:Copy the "P2PIPCam\_asdzx.apk" from the CD to Android device, complete installation step by step, EyeIPCam icon appears.

Step 3: click the EyeIPCam, (1) add a camera - (2) search-(3)selected WIFICAM-(4)completed -(5) switch to the camera - 6 selected WIFICAM and click , enter the monitor screen.

Please enter the ID number directly in the camera ID , you can also scan cameras bottom of two-dimensional code to added directly .

| EyelPCam                          | Edit |
|-----------------------------------|------|
| Please tap here to add new camera |      |

| Camera |          | Alarm |   | Pictures | Pictures |  |          | (D)<br>About |  |
|--------|----------|-------|---|----------|----------|--|----------|--------------|--|
| (      | $\frown$ | Ē     | Ξ | K M      |          |  | <u>6</u> | 15:26 💎 💈    |  |

| back       |          | Add Can | nera |   | done |
|------------|----------|---------|------|---|------|
| Name       | IPCamera |         |      |   |      |
| Did        |          |         |      |   |      |
| User       | admin    |         |      |   |      |
| Pwd        |          |         |      |   |      |
| Scan ID    |          |         |      |   | >    |
| Search     |          | 2       |      |   | >    |
|            |          |         |      |   |      |
|            |          |         |      |   |      |
|            |          |         |      |   |      |
|            |          |         |      |   |      |
|            |          |         |      |   |      |
|            |          |         |      |   |      |
|            |          |         |      |   |      |
|            |          |         |      |   |      |
| $\bigcirc$ |          | 8<br>8  |      | Saving screenshot<br>Screenshot is being saved. |      |



| back    |                  | Add Camera | done |
|---------|------------------|------------|------|
| Name    | IPCAM            |            | 4    |
| Did     | EST-002251-DFVZH |            |      |
| User    | admin            |            |      |
| Pwd     |                  |            |      |
| Scan ID |                  |            | >    |
| Search  |                  |            | >    |
|         |                  |            |      |
|         |                  |            |      |
|         |                  |            |      |
|         |                  |            |      |
|         |                  |            |      |
|         |                  |            |      |
|         |                  |            |      |

Saving screenshot... Screenshot is being saved.





#### 2.22 Wireless mode

1) click set --2) set --3) Set wifi 4) search wireless router---

Select your wireless router--- enter the password of router---click Done IPCam auto reboot. Pull up the cable connecting the IPCam and router.



| Cam          | lera       | Alarm | 1 | Pictures | <b>D</b><br>Videos | ①<br>About |
|--------------|------------|-------|---|----------|--------------------|------------|
| $\leftarrow$ | $\bigcirc$ |       |   | K N<br>K |                    | 11:33 💎 💼  |

| back             | WIFICAI    | M Setting                                       |   |
|------------------|------------|---|---|
| Wifi Setting (2) |            |   | > |
| User Setting     |            |   | > |
| Alarm Setting    |            |   | > |
| Time Setting     |            |   | > |
| Mail Setting     |            |   | > |
| Ftp Setting      |            |   | > |
|                  |            |   |   |
|                  |            |   |   |
|                  |            |   |   |
|                  |            |   |   |
|                  |            |   |   |
|                  |            |   |   |
|                  |            |   |   |
|                  |            |   |   |
|                  |            |   |   |
|                  |            |   |   |
|                  | י <b>ב</b> | Saving screenshot<br>Screenshot is being saved. |   |

| back      |            |          |   | Wifi Settir | ng   |       |   | J     | done  |
|-----------|------------|----------|---|-------------|------|-------|---|-------|-------|
| Million   | of a black |          |   |             |      |       |   | Conn  | ected |
| - Will S. | ne No      |          |   | WiFi Manag  | er 🌈 | 3     |   |       |       |
|           | _          | _        | _ |             |      | 3     | _ |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
|           |            |          |   |             |      |       |   |       |       |
| <>        |            | <u> </u> | Ξ | 5           | 33 1 | 2 🔐 🗇 |   | 11:33 | ÷ 🗎   |

| back                                       | Wifi Setting      | done          |
|--|-------------------|---------------|
|  |                   | Connected     |
| Wifi Safe No                               |                   |               |
|  | WiFi Manager      |               |
|  |                   |               |
| ChinaNet-f954                              |                   |               |
| Wifi Safe WPA_PSK(TKIP)<br>Wifi Signal 5%  |                   |               |
| cisco                                      | $\cap$            |               |
| Wifi Safe WPA_PSK(TKIP)<br>Wifi Signal 20% | 4                 |               |
| ChinaNet-rUwa                              |                   |               |
| Wifi Safe WPA_PSK(TKIP)<br>Wifi Signal 50% |                   |               |
| linksys                                    |                   |               |
| Wifi Safe No<br>Wifi Signal 0%             |                   |               |
| 888888888888888444444444444444444444444    | Ç.                |               |
| Wifi Safe No<br>Wifi Signal 55%            |                   |               |
| eyesight-yanfa                             |                   |               |
| Wifi Safe WPA2_PSK(AES)<br>Wifi Signal 55% |                   |               |
|  |                   |               |
| Wifi Safe No<br>Wifi Signal 20%            |                   |               |
| zcm  |                   |               |
| Wifi Safe WPA2_PSK(AES)<br>Wifi Signal 24% |                   |               |
| MERCURY_974E3A                             |                   |               |
| Wife Safe WPA2 PSK(AFS)                    |                   |               |
|  | 523 L <b>E LE</b> | 💷 🚳 11:33 💎 💼 |

**Note:** When using Andriod access, there will be 180 seconds forwar ding time if network is bad, Does not affect the user to view and operation during this time, click exit or reconnect the IPCAM.

## 2.3 Central management operation guidance

## 2.31 Centralized client installation guidance.

After 2.01 finished.

Step 1:Install the client-side software attached in the CD, There will create



a DeviceClient icon.

Step 2: Open the software - select the list of Device - open the search page-search - select your IPcam and double click-add the parameter dialog box pops up - select the jpeg stream from the video(HD IPCAM





|   |   | Device Cl  |  |                 |                   |   | _ = ×  |
|---|---|--|--|-----------------|-------------------|---|--------|
| System Screen View Help   | U.  |  |  |                 |                   |   |        |
| Image: Second | Device  |  |  |                 |                   |   | ×      |
|   | Device name Device IP User Vider Close sear DID Device nc | IP           IPCAM           192,168,1.2           admin           jpeg stream           P           EST-000439- | ULRVY                                      | t User          | Port 8            | Video type X Cancel                           | delete |
|   | IPCAM<br>IPCAM<br>HOIPCAM                                 |  | 192.168.1.7<br>192.168.1.17<br>192.168.1.3 | 81<br>81<br>189 | EST<br>EST<br>EST | 000039-00EX9<br>000071-DDGEM<br>0000068-XDNMM | search |



There will be a device on the left side Device list, drag the device into the Right side window, It will display the surveillance image, and you can controll now.



#### **2.32** IE mode

After 2.01 finished

Step 1 Connect the pc to the router,open the "search tool3.1.exe",Make sure the pc is connected to the IPCam ,below is interface.

| 🥬 Search-for factory                 |                                       | <u> </u> |
|--------------------------------------|---------------------------------------|----------|
| Dovice<br>WIFICAM(192.168.1.124)[81] | Basic information Factory param Other |          |
|                                      |                                       |          |
|                                      | Subnet mask                           |          |
|                                      | Gateway                               |          |
|                                      | DNS1 DNS1                             |          |
|                                      | DNS2 · · ·                            |          |
|                                      | MAC                                   |          |
|                                      | Port 0                                |          |
|                                      | ID                                    |          |
|                                      | Name Setting                          |          |
|                                      |                                       |          |
|                                      |                                       |          |
| ,<br>Refresh                         | User admin Pwd                        |          |

Double-click on the IPCAM, IE login interface come out, enter the user name: admin, password: empty, into the IE interface ,select IE mode, install OCX , enter the monitoring interface.

| Enter Net  | work Password  | × |
|------------|--|---|
| <b>?</b> > | This secure Web Site (at 192,168,1,124) requires you to log on.  |   |
| Q.         | Please type the User Name and Password that you use for GoAhead. |   |
|            | User Name admin  |   |
|            | Password   |   |
|            | Save this password in your password list                         |   |
|            | OK Cancel  |   |
|            |  |   |

| livestream mode (for Internet Explorer) | OCX Download |
|---|--------------|
| videostream mode(for FireFox)           |              |
| snapshot mode (for smartphone)          |              |
| English 👻                               |              |



Double-click on the setting bottom under screen - enter the wireless local area network (LAN) Settings - wireless network list (search) - click on your wireless router - enter the wireless router password –setting- wait for equipment to restart, then remove the cable connecting the IPCAM to realize wireless connection.

| Device information<br>Jias Settings<br>Device date&Time Settings |                       | 4     | ChinaNet-4zni                            | b4:b3:62:08:81:d5 | and the |     |
|--|-----------------------|-------|--|-------------------|---------|-----|
| lias Settings<br>)evice date&Time Settings                       |                       | -     |  |                   |         | - 2 |
| evice date&Time Settings   |                       | 5     | ChinaNet-f954                            | 00:25:5e:1d:c7:c1 |         | _   |
|  |                       | 6     | 123                                      | ec:88:8f:a6:bf:e2 |         |     |
| Record Path  |                       | 7     | cisco                                    | 00:1d:7e:5f:e2:f6 | att     |     |
| larm Service Settings  |                       | 8     | ChinaNet-rUwa                            | 00:1e:73:d3:be:a8 | att     |     |
| larm Service Settings  |                       | 9     | 1111111111111                            | e0:05:c5:de:c5:a2 |         | _   |
| Iail Service Settings  |                       | 10    | 123456789abcdefghi                       | f4:ec:38:24:c3:70 | and the |     |
| tp Service Settings  | Wireless Network List | 11    | TP-JJQ                                   | 5c:63:bf:eb:5f:aa | - 111 - |     |
| Jarm Log   |                       | 12    | zh_home                                  | 8c:21:0a:65:f6:04 |         | _   |
| tetwork configuration  |                       | 13    | ok                                       | ec:88:8f:7e:3c:6e | . attl  |     |
| D Cattion  |                       | 14    | eyesight-yanfa                           | e0:05:c5:e7:90:be |         |     |
| Viroloss Lan Sottings  |                       | 15    | HVCAM03                                  | 00:0a:eb:4b:b3:8e | att     |     |
| DNS Service Settings   |                       | 16    | b8888888888888888888888888888888888888   | 00:23:cd:7f:71:e4 |         |     |
| TZ configuration   |                       | 17    | Gnet_world                               | f4:3e:61:2a:b7:10 | att     | _   |
| TZ Settings  |                       | 18    | ChinaNet-Zdsg                            | e0:30:05:97:a6:c4 | att     |     |
| Jser&device manage   |                       | 19    | estcctv                                  | cc:b2:55:9d:a6:62 | att     | E   |
| Iulti-Device Settings  |                       | 20    | 6  | 94:0c:6d:79:ca:0e |         |     |
| Jsers Settings   |                       |       | L. L |                   |         |     |
| laintain   |                       | Scan  |  |                   |         | -   |
| lack   | Using Wireless Lan    |       |  |                   |         | -   |
|  | SSID                  | eyesi | ght-yanfa                                |                   |         |     |
|  | WI-FI Channel         | 6     |  |                   |         |     |
|  | Network Type          | Infra | •  |                   |         |     |
|  | Authetication         | WPA   | 2-PSK Personal (AES) -                   |                   |         | 1   |
|  | / www.ouoduon         |       |  |                   |         |     |

#### 2.33 Wired and wireless auto-adaptation

After completing the wireless mode setting, you can use the net work cable connecting IPCAM and routers, can also don't need cable, IPCAM will automatically convert both wired or wireless.

#### 2.34 windows7 64 bit system compatibility

Under Windows 7 64 - bit system, there will be Compatibility problems, the solution is as follows:

Right-click the centralized software -- -- - select the compatibility of troubleshooting--- System automatically detect – select troubleshooting options dialog come out – select try suggested Settings -- -- -- -- start

program--- Pop up user account control dialog option, choose "yes" program can normal boot.





| Account Con                                | ntrol<br>t to allow the following                       | program from an unk    | x nown          |
|--|---|------------------------|-----------------|
| publisher to                               | make changes to this                                    | computer?              |                 |
| Program name<br>Publisher:<br>File origin: | e: DeviceClient.exe<br>Unknown<br>Hard drive on this co | mputer                 |                 |
| Show details                               |   | Yes                    | No              |
|  | S   | hange when these notif | ications appear |
|  |   |                        |                 |

### 2.35 TF card Description

HD series products supports TF card recording function, plsuse genuine TF card(factory in Taiwan, Singapore, the United States), Piracy TF can not read or damage to the TF card.

## 2.4 Detailed parameter Settings

IE mode, click setting and enter parameter setting page.

| evice basic miornation   |                               | Device Status     |  |
|--|-------------------------------|-------------------|--|
| evice information  | Device Firmware Version       | 69.2.128.35       |  |
| Jas Settings   | Device Embeded Web UI Version | 0.0.0.69          |  |
| evice date& fine Settings  | Alias                         | WIFICAM           |  |
| arm Service Settings   | Device ID                     | OBJ-000313-REVXE  |  |
| Jarm Service Settings  | Alarm Status                  | None              |  |
| all Service Settings   | UPnP Status                   | UPnP Succeed      |  |
| to Service Settings  | DDNS Status                   | No Action         |  |
| Jarm Log   | MAC                           | 00:0A:EB:4B:B3:9F |  |
| letwork configuration  | WIFI MAC                      | 00:0A:EB:4B:B3:9E |  |
| asic Network Settings  | Externwifi status             | Externwifi Error  |  |
| P Setting  | Language                      | English 💌         |  |
| Iz ceningoradu<br>TZ Settings<br>Sers&device manage<br>ulti-Device Settings<br>sers Settings<br>aintain<br>ack |                               |                   |  |

Equipment information: show basic information.

Device name Settings: set the device name.

Device clock Settings: you can set the device time zone and correct time.

Local video path: set the video path and basic parameters.

Alarm service Settings: set the alarm protection mode, alarm trigger events and alarm protection time.

Mail service Settings: set the notice email, effect after checking email notification option, or checking upload picture after alarm triggers, pictures will be uploaded after alarm to the specified email.

FTP service Settings: set up the FTP address, the photos will be uploaded to the FTP server after alarm.

Alarm log: view the alarm logs.

Basic network Settings: manually or automatically assign IP Settings, modify the port.

AP parameter Settings: set the SSID and password (default password 123456789)

Wireless local area network (LAN) Settings: set equipment wireless router

DDNS Settings: set the device's DDNS server address.

PTZ Settings: set equipment basic state.

Multiple Settings: set up multi devices view.

user Settings: set user permissions level.

Maintenance: restart the device and restore factory Settings, equipment upgrade.

## **Chapter III Parameter list**

| model    |   | MJPEG PT<br>IPCAM<br>HD PT IPCAM   | MJPEG Outdoor<br>IPCAM HD<br>Outdoor IPCAM  | HD DOME<br>IPCAM  | HD Mini<br>IPCAM   | HD PTZ<br>IPCAM   |  |  |
|----------|---|--|---|---|--|---|--|--|
| language |   |  | English、 Simplified Chinese、 Spanish  |   |  |   |  |  |
|          | Cover   | MJPEG PT<br>IPCAM Iron grey<br>HD PT IPCAM<br>black  | Silver gray   | White+blue  | black  | Computer gray   |  |  |
|          | MJPEG PT<br>IPCAM<br>120x100x100<br>M<br>Size m<br>HD PT IPCA<br>105x100x130<br>m | MJPEG PT<br>IPCAM<br>120x100x100m<br>m   | MJPEG Outdoor<br>IPCAM<br>145x65x66mm   | 127x127x91mm  | 110x85x50mm  | 142x142x230mm   |  |  |
| Арреа    |   | HD PT IPCAM<br>105x100x130m<br>m   | HD Outdoor<br>IPCAM<br>168x83x83mm  |   |  |   |  |  |
| rance    | IR LED  | MJPEG PT<br>IPCAM Φ5 10 IR<br>led (night vision<br>distance<br>8~12meters)<br>HD PT IPCAM<br>Φ5 12 IR led<br>(night vision<br>distance<br>10~15meters) | MJPEG Outdoor<br>IPCAM<br>Ф5 24 IR led<br>(night vision<br>distance<br>12~18meters)<br>HD Outdoor<br>IPCAM<br>Ф5 30 IR led<br>(night vision<br>distance<br>20~25meters) | Φ5 22 IR led<br>(night vision<br>distance<br>10-15meters) | Φ5 10 IR led<br>(night vision<br>distance<br>8-20meters) | Φ5 22 IR led<br>(night vision<br>distance<br>15-20meters) |  |  |
| IO alarm | i input/output  | MJPEG PT   | MJPEG Outdoor   | 1ch input/1ch<br>output                                   | 1ch input/1ch<br>output                                  | 1ch input/1ch<br>output                                   |  |  |

|                   |                          |  | IPCAM None                                  |              |              |                      |  |
|-------------------|--------------------------|--|---|--------------|--------------|----------------------|--|
|                   |                          | HD PT IPCAM<br>1ch input/1ch<br>output | HD Outdoor<br>IPCAM 1ch<br>input/1ch output |              |              |                      |  |
|                   |                          | MJPEG PT<br>IPCAM None                 | MJPEG Outdoor<br>IPCAM None                 |              |              |                      |  |
| Storage Interface |                          | HD PT IPCAM<br>SD card slot            | HD Outdoor<br>IPCAM SD card<br>slot         | SD card slot | SD card slot | SD card slot         |  |
| CPU               | ARM                      |  |   | ARM 7        |              |                      |  |
|                   | Image<br>sensor          | 1/4" color CMOS sensor                 |   |              |              |                      |  |
| lens              |                          |  | f: 3.6mm                                    |              |              |                      |  |
| Image             | minimum ill<br>umination | 0.1Lux                                 |   |              |              |                      |  |
| sensor            | IR-CUT                   | MJPEG PT<br>IPCAM None                 | MJPEG<br>Outdoor<br>IPCAM None              |              |              |                      |  |
|                   |                          | HD PT IPCAM<br>IR-CUT                  | HD Outdoor<br>IPCAM<br>IR-CUT               |              | IR-CUT       | IR-CUT               |  |
| PTZ               | control mot<br>or        | Intelligent driver IC                  | x   | Х            | Х            |                      |  |
|                   |                          | MJPEG PT IPCAN<br>horizontal 355°      | Л   |              |              |                      |  |
|                   | Turn                     | vertical 120°                          | x   | x            | x            | horizontal 355°      |  |
|                   |                          | HD PT IPCAM<br>horizontal 330°         |   |              |              | vertical 90°         |  |
|                   |                          | vertical 90°                           |   |              |              |                      |  |
|                   | Motor                    | Controllable: low spe                  | e X   | Х            | Х            | Controllable:low spe |  |

ed, middle sp**30**d,

|        | speed                | speed   |                         |                     |   | high speed     |  |  |  |
|--------|----------------------|---|-------------------------|---------------------|---|----------------|--|--|--|
|        |                      |   |                         |                     |   |                |  |  |  |
|        | Stepping<br>motor    | Stepping motor  | x                       | х                   | х   | Stepping motor |  |  |  |
|        | compressi<br>on      | MJPEG   |                         |                     |   |                |  |  |  |
| Video  | Frame<br>rate        | 15fps(VGA),30fps(QVGA)  |                         |                     |   |                |  |  |  |
|        | resolution           | 640 x 480(VGA),320 x 240(QVGA)  |                         |                     |   |                |  |  |  |
|        | picture<br>inversion |   | V                       | /ertical/horizontal |   |                |  |  |  |
|        | refresh ra<br>te     |   | 50Hz, 60Hz              |                     |   |                |  |  |  |
|        | video<br>parameter   |   | Brightness and contrast |                     |   |                |  |  |  |
| Audio  | monitoring           | Support two-way<br>voice<br>conversations,<br>built-in speaker<br>(duplex mode) | х                       | х                   | Support two-way<br>voice conversation<br>s, built-in speaker<br>(duplex mode) | х              |  |  |  |
|        | Amplifier            | Support external amplifiers (sound)   | х                       | х                   | Support external amplifiers (sound)   | Х              |  |  |  |
| Commun | protocol             | HTTP,FTP,TCP/IP,U   | IDP,SMTP,ARP,ICM        | IP,BOOTP,RARP,I     | DHCP,PPPoE,P2P  | , UPnP,GPRS    |  |  |  |
| louion | Wireless<br>protocol | IEEE 802.11b/g/n  |                         |                     |   |                |  |  |  |
|        | Code rate            | 802.11b: 11Mbps(ma  | ax.)、802.11g: 54Ml      | ops(max.)、 802.1    | 1n: 300Mbps(max.)   | )              |  |  |  |
|        | Wireless<br>Security |   | Support W               | EP / WPA / WPA2     | encrypt   |                |  |  |  |
|        | Mobile               |   | Su                      | oport IOS、Android   | t   |                |  |  |  |

phone

|                   | view                       |                                      |  |                     |                  |   |  |  |
|-------------------|----------------------------|--------------------------------------|--|---------------------|------------------|---|--|--|
|                   |                            |                                      |  |                     |                  |   |  |  |
|                   | Mail                       |                                      | Gmail、   | yahoomail、QQ、 s     | sina             |   |  |  |
|                   | standard                   |                                      |  | DC 5V/2.0A          |                  |   |  |  |
| Power             | consumpti<br>on            |                                      |  | 5 .5 W (max)        |                  |   |  |  |
|                   | Temperat<br>ure.           |                                      | 0° ~   | 55°C (32°F ~ 131°F  | )                |   |  |  |
| environ           | Humidity                   |                                      | 20% ~ 85%  | No water vapor conc | lensation        |   |  |  |
| ment              | storage<br>temperatu<br>re | -10°C ~ 60° (14°F ~ 140°F)           |  |                     |                  |   |  |  |
|                   | Storage<br>Humidity        | 0% ~ 90% No water vapor condensation |  |                     |                  |   |  |  |
| browse<br>r       | browser                    |                                      | IE6.0, IE7.0,IE8.0,IE9.0 firefox2.0 firefox3.0 or smartphone |                     |                  |   |  |  |
| system            | compatibl<br>e system      | Wir                                  | ndows XP、Windows   | 2003、Windows 7、     | Windows Vista、IO | S |  |  |
| certifica<br>tion |                            |                                      | CCC CE F   | CC ROHS I           | SO               |   |  |  |
| access            | 1                          |                                      | Р  | ower adaptor × 1    |                  |   |  |  |
| ories             | 2                          | bracket × 1                          | 305 bracket  | x                   | bracket × 1      | x |  |  |
|                   | 3                          |                                      |  | screw × 1 bag       |                  | I |  |  |
|                   | 4                          |                                      | ۷  | Vi-Fi antenna × 1   |                  |   |  |  |
|                   | 5                          |                                      |  | CD × 1              |                  |   |  |  |
|                   | 6                          |                                      | (  | drying agent × 1    |                  |   |  |  |
|                   | 7                          |                                      |  | Cable × 1           |                  |   |  |  |
|                   | 8                          | 2.5                                  | *50*17mm wrench  | (only for Model H   | D Outdoor IPCAM) |   |  |  |

|                  | 9                 |   | HD Outdoor<br>IPCAM Micro SD<br>card installation<br>steps                      | HD DOME<br>IPCAM Micro<br>SD card<br>installation<br>steps | HD Mini IPCAM<br>Micro SD card<br>installation steps |               |
|------------------|-------------------|---|---|--|--|---------------|
| packag<br>e size | Single<br>packing | MJPEG PT<br>IPCAM<br>17x21x12cm                   | MJPEG Outdoor<br>IPCAM<br>200x110x132mm<br>HD Outdoor<br>IPCAM<br>230x130x132mm | 18x15.5x12cm   | 150x110x105mm  | 259x238x140mm |
| weight           | Net<br>weight     | MJPEG PT<br>IPCAM 0.3kg<br>HD PT IPCAM<br>0.35kg  | MJPEG Outdoor<br>IPCAM 0.6kg<br>HD Outdoor<br>IPCAM 0.68kg                      | 0.35kg   | 0.13kg   | 610g          |
|                  | gross<br>weight   | MJPEG PT<br>IPCAM 0.62kg<br>HD PT IPCAM<br>0.67kg | MJPEG Outdoor<br>IPCAM 1kg<br>HD Outdoor<br>IPCAM 0.75kg                        | 0.65kg   | 0.45kg   | 1.2kg         |