

# Wireless Network IP Camera

USER MANUAL

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## **1. Product Introduction**

### 1.1 Safety Instructions

a) Use the proper power source.

Do not use power source that supplies more than the specified voltage (100-240V AC).

b) Never insert anything metallic into the camera. Inserting metal object into the camera can cause dangerous electric shock.

c) Do not operate in wet or dusty environment. Avoid places like a damp basement or dusty hallway.

d) Do not attempt to disassemble the camera.

Severe electrical shock might happen if you attempt to disassemble the camera while connected to its power source. In case of any unusual sound or smell from the camera, unplug immediately and contact Customer Service.

e) Handle the camera carefully.

Dropping the camera on any hard surface may cause malfunction. If the camera does not work properly due to physical damage, please contact Customer Service for repair or exchange.

#### f) Apply to FCC and CE rule

This device complies with part 15 of the FCC and CE rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference.
- 2. This device must accept any interference received, including interference that may cause undesired operation.

Any change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment complies with FCC and CE radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

## **1.2 Product Specifications**

MJPEG, CMOS 300k Pixel Image frame rate: 25fps(50Hz),30fps(60Hz) Image resolution: 640x480 (VGA), 320x240(QVGA) Support up to 32G micro SD card 13 LED, IR distance 10m, lens 3.6 mm IR-CUT filter Two-way audio: built-in microphone/built-in speaker Remote Pan/Tilt rotate: Pan-270°/ Tilt- 90°. Speed: 5-50°/s Wi-Fi 802.11/b/g/n Motion detection/ email alarm alert/ FTP upload iPhone/ iPad/ Android Smartphone supported Multi-language Firefox, Safari, Chrome, Internet Explorer browser Maximum 4 users view at the same time, unlimited users for forwarder server function Built in Web Server

#### **1.3 System Requirements**

| CPU               | 2.06GHZ or above   |  |
|-------------------|--|--|
| Memory            | 256M or above  |  |
| Network card      | 10M or above   |  |
| Display card      | 64M or above   |  |
| Operating system  | Windows XP/ Vista/ Windows 7 (32bit/ 64bit)  |  |
| HDD               | No maximum storage required  |  |
| Internet Explorer | Version 5.0 or above   |  |
| DirectX           | Version 8.0 or above   |  |
| Audio card        | Microphone and speaker connected to PC/ configured 2-way audio display                             |  |
| Network protocol  | TCP/ IP, UDP, SMTP, PPPoE, Dynamic DNS, DNS Client,<br>SNTP, BOOTP, FTP, SNMP, Wi-Fi (802.11b/g/n) |  |

## 1.4 Product Diagram

1.



270°

- 1. LDR
- 2. Lens
- LED light
   Microphone
- 5. Audio in/ out
- 6. Micro SD card slot
- 7. Antenna
- 8. Ethernet interface (RJ-45)
   9. Power input interface (5v)

### **1.5 Hardware Installation**

- a) Connect power adapter
- b) Connect the Ethernet cable
- c) Install Micro SD card
- d) Connect audio in/ out device if any



It takes approximately 30 seconds to boot up the camera, automatically get an IP address and connect to Internet. Note that the green LED light (rear side of the device) should be lighten, while the orange light keeps flashing.

#### **1.6 Software Installation**

- a) Put the Installation CD in your computer (fig. 1.6-1)
- b) Click on [Search Tool] icon and it will run automatically (fig. 1.6-2)

(No need to install, just copy software to the desktop)



## 2. Software Operation

## 2.1 Search IP address of Camera

| Once mounted properly, doub | le click [Search Tool] | and set up IP address | (fig. 2.1-1). |
|-----------------------------|------------------------|-----------------------|---------------|
|-----------------------------|------------------------|-----------------------|---------------|

| 💢 Search Tool    |                         |                    |                                       |
|------------------|-------------------------|--------------------|---------------------------------------|
| Current Computer |                         | Camera Information | English                               |
| Network Card:    | DW1501 Wireless-N WLA 🚩 | General Others     |                                       |
| IP:              | 192.168.0.104           |                    |                                       |
| Sub Mask:        | 255.255.255.0           | Name:              | OPEXIA_IPCAM                          |
| Gateway:         | 192.168.0.1             | HTTP Port:         | 99 🔄                                  |
| Primary DNS:     | 168.95.192.1            | Network:           | Fixed IP                              |
| Secondary DNS:   | 168.95.1.1              | IP :               | 192.168.0.111                         |
|                  | Auto IP Setup           | Sub Mask:          | 255.255.255.0                         |
| Cameras          |                         | Gateway:           | 192.168.0.1                           |
| Mode Name        | IP I                    |                    | Custom     Auto                       |
| AJ OPEXIA_IF     | PCAM 192.168.0.111      | Primary DNS:       |                                       |
|                  |                         | Secondary DNS:     | 168.95.1.1                            |
|                  |                         | Inner access:      | http://192.168.0.111:99 Open          |
| Count:1          | Export                  |                    |                                       |
|                  |                         |                    | <u>Find</u> <u>Apply</u> <u>Close</u> |

### fig. 2.1-1

NOTE: The software searches IP Servers automatically over LAN.

## 2.2 Configuration of Network

Network Configuration

1. Current Computer field indicates the computer's IP address information.

- 2. IP Cam information will be shown at Cameras field.
- 3. Click [Auto IP Setup] and a window will pop out. Please confirm accordingly.
- 4. In Camera Information field, choose 99 for [HTTP Port], and Fixed IP for [Network].

5. Make sure [Sub Mask] [Gateway] and [Secondary DNS] details are correct (same as your router's or your current computer's). Otherwise, please change [IP] address by

clicking [Auto IP Setup].

6. Once confirmed the details above, click on [Apply]

## 3. Real-Time Video Demonstration

## 3.1 Camera Log-in

Access to the camera through IP Cam Tool or IE, Firefox, Safari, Google Chrome or other

standard browser is available.

2 ways to access to the camera:

- a) by double clicking the IP address at Cameras field.
- b) by typing the IP address at the browser field (fig. 3-1).



The Log-in window will pop out (fig. 3.1-2)

| Windows Security            |  | x |
|-----------------------------|--|---|
| The server 192.<br>password | 168.0.111 at GoAhead requires a username and |   |
| -                           |  |   |
|                             | User name                                    |   |
|                             | Password                                     |   |
|                             | Remember my informations                     |   |
|                             | ОК   |   |
|                             |  |   |

User name: admin No password is needed by default

The Sign-In window will pop out (fig. 3-3) Download OCX software by clicking upper right corner (below flags icons).

| LANGUAGE | OCX Download  |  |
|----------|---|--|
| Ó        | ActiveX Mode (For IE Browser)<br>Sign in                  |  |
|          | Server Push Mode (For FireFox, Chrome Browser)<br>Sign in |  |
| COLUMN D | No Plug-In Mode (for smartphone browserJPEG)<br>Sign in   |  |
|          | SD card video playback online(For IE browser)<br>Sign in  |  |
|          | fig.3-3   |  |

4 modes of Log-in:

- a) ActiveX Mode (for IE browser) available in IE6.0 or above explorer
- b) Server Push Mode available in Firefox, Safari, Chrome browsers
- c) No Plug-In Mode available in smart phone browsers
- d) SD card video playback online (for IE browser)

#### 3.1-1 View via IE Browser (Internet Explorer)

Choose Active Mode (for IE browser), and sign in.

For first time login, please download OCX software (or run in the CD) and install it. Also install ActiveX as requested. Once above installed, refresh and login the camera again. Live video should be available.

## 3.1-2 View via Firefox, Safari, Chrome browsers

Choose Server Push Mode (for Safari, Firefox, Chrome browser), and sign in. This mode does not support ActiveX, so some functions such as Record, Audio, Talk, Speaker, Speed Control Bar, Zoom etc... are not available. For more complete functions please use IE Browser.

#### 3.1-3 View via Smart Phones

Allows to control camera direction through Smartphone browser.



# 3.1-4 View on line

Allows to view video saved in the memory card (available only on IE).

# 3.2 Main Menu Interface Introduction



| ٢                      | Pan/ Tilt feature upon function- left/ right/ up/ down/ camera at center |
|------------------------|--|
|                        | Alarm status   |
| 1                      | Vertical monitoring  |
|                        | Horizontal monitoring  |
| 4                      | Flip image vertically  |
| A                      | Flip image horizontally  |
| IR                     | IR LED on/ off   |
| Slow Fast              | Pan/ Tilt speed  |
| Preset 1 V Set<br>Call | Preset function  |
| OSD disable            | Date/ time display   |
| Res. 640*480 ∨         | Image resolution   |
| Mode 60 HZ 🗸           | Image frequency  |
| Bright. 🕂 🗌 🖱          | Image brightness   |
| Contrast 128           | Image contrast   |

| Default all | Reset main menu options to factory default             |
|-------------|--|
|             | Recording function                                     |
| Ó           | Snapshot function                                      |
| 2           | Audio function   |
| Ω           | Audio function   |
| *           | Main menu and device status                            |
|             | Single view/ quad screen view, 9-screen view available |

## **3.3 Management Setting Instruction**

Users are classified as: Administrator, Operator and Visitor

- Visitor only view available
- Operator available to set view (up, down, right, left), video screen's brightness, contrast and other parameters.
- Administrator available to do all kind of operations including setting the device advanced configurations.

Special functions only available for Administrator as below:

- 1. Alias setting
- 2. Date and time setting
- 3. User setting (up to 8 users available classify users/ set up user name and password)
- 4. UpnP setting
- 5. Device firmware upgrade
- 6. Restore factory settings (in case of no response when error occurred)
- 7. Reboot device
- 8. Back (return to monitor mode)

## 3.3-1 Multi-device settings (available only with Internet Explorer browser)

Allows to add camera in local network. The first device is considered as default device. In order to add more devices:

Step 1. Login the camera, click \*>"Multi-device settings".

Step 2. Click "Refresh" button to see all cameras in network.

Step 3. Click "2nd Device" and select camera to add (at "Device List in Lan" field).

Http port will automatically be filled. User and password will be requested, then click "Add".

Max. 9 devices at the same time-line available, but only up to 4 devices can be viewed through Smartphone. Repeat this process to add more cameras. Finally click "Submit" button.

| פוגפקס             |  |   |   |
|--------------------|--|---|---|
| -                  | Multi-device settings  |   | OPEXIA IP CAM   |
| Device List in Lan | IPCAM(192.168.0.106)<br>OPEXIA_IPCAM(192.168.0.144)          |   | Alias settings<br>Device date & time<br>settings<br>Users settings<br>Multi-device settings |
| OPEXIA CAM 1       | OPEXIA_IPCAM(192.168.0.144)                                  |   | Basic network settings  |
| OPEXIA CAM 2       | None   |   | Wireless lan settings   |
| Alias              | OPEXIA_IPCAM   |   | UPnP settings   |
| Host               | 192.168.0.144  |   | DDNS service settings<br>Mail service settings  |
| HTTP port          | 99   |   | FTP service settings  |
| User               | admin  |   | Alarm service settings  |
| Password           |  |   | PTZ settings  |
|                    | Add Remove   |   | Local record path   |
| OPEXIA CAM 3       | None   |   | Upgrade device firmware<br>Record schedule  |
| OPEXIA CAM 4       | None   |   | Alarm log   |
| OPEXIA CAM 5       | None   |   | Back  |
| OPEXIA CAM 6       | None   |   |   |
| OPEXIA CAM 7       | None   |   |   |
| OPEXIA CAM 8       | None   |   |   |
| OPEXIA CAM 9       | None   |   |   |
| Attentio           | n: be sure the setting's host & port can be accessed online. |   |   |
|                    | Submit Refresh   | 7 |   |



## 3.3-2 Basic Network Settings

This sector is for DHCP and IP configuration. Port forwarding is needed, if IP address is chosen, please fill in the relative IP address, subnet mask, gateway, DNS server, Http port.

| פוגפלס                     |                        |                                   |
|----------------------------|------------------------|-----------------------------------|
|                            | Basic network settings | OPEXIA IP CAM                     |
| Obtain IP from DHCP Server |                        | Alias settings Device date & time |
| IP address                 | 192.168.1.205          | settings                          |
| Subnet Mask                | 255.255.255.0          | Users settings                    |
| Gateway                    | 192.168.1.1            | Multi-device settings             |
|                            |                        | Basic network settings            |
| DNS Server2                | 192.168.1.1            | Wireless lan settings             |
| HTTP port                  | 2005                   | UPnP settings                     |
|                            |                        | DDNS service settings             |
|                            | Submit Refresh         | Mail service settings             |
|                            |                        | FTP service settings              |
|                            |                        | Alarm service settings            |
|                            |                        | PTZ settings                      |
|                            |                        | Local record path                 |
|                            |                        | Upgrade device firmware           |
|                            |                        | Record schedule                   |
|                            |                        | Alarm log                         |
|                            |                        | Back                              |

## 3.3-3 Wireless settings

Step 1. Make sure the router is a wireless router.

Step 2. Make sure the Wi-Fi antenna is installed.

Step 3. Make sure you have the Wi-Fi password if there is one.

Step 4. Login the camera, click \* >"Wireless lan settings" >"Scan" (scan several times if needed). Among the Wi-Fi network in the list, click the one preferred.

Step 5. If there is no encryption, just click "Submit"; if yes, input the password and click "Submit".

Step 6. Wait about 30 seconds, the camera will reboot. Then you may unplug the network cable.

| פואפקס                |                   |                          |      |  |
|-----------------------|-------------------|--------------------------|------|--|
| -                     | Wireless L        | an Settings              |      | OPEXIA IP CAM                                    |
|                       | SSID<br>blueplace | MAC<br>00:23:54:B5:F2:C0 |      | Alias settings<br>Device date & time<br>settings |
| Wireless Network List | P874              | CC:5D:4E:C2:37:5B        | a II | Users settings                                   |
| The cost we work Elst | opexia            | C8:3A:35:0A:EC:60        | att  | Multi-device settings                            |
|                       | Scan              |                          |      | Basic network settings<br>Wireless lan settings  |
| Using Wireless Lan    |                   |                          |      | UPnP settings                                    |
| SSID                  | opexia            | opexia                   |      |  |
| Network Type          | Infra 👻           |                          |      | Mail service settings                            |
| Security type         | WPA-PSK Person    | al (AES) 🔻               |      | FTP service settings                             |
| Security type         | WFA-FSK Feisur    |                          |      | Alarm service settings                           |
| Password              |                   |                          |      | PTZ settings                                     |
|                       |                   |                          |      | Local record path                                |
|                       | Submit            | Refresh                  |      | Upgrade device firmware                          |
|                       |                   |                          |      | Record schedule                                  |
|                       |                   |                          |      | Alarm log  |
|                       |                   |                          |      | Back   |

## 3.3-4 Dynamic DNS settings

a) DDNS Setting

Step 1. Login the camera, click \*> "DDNS service settings".

| פוגפקס         |  |                           |                                |
|----------------|--|---------------------------|--------------------------------|
|                | DDNS Service S                         | Settings                  | OPEXIA IP CAM                  |
| DDNS Service   | no                                     | <b>.</b>                  | Alias settings                 |
| DDNS Status    | no                                     | ·                         | Device date & time<br>settings |
| proxy config i | DynDns.org(dyndns)<br>3322.org(dyndns) | hina Mainland or HongKong | Users settings                 |
|                | 9299.org                               |                           | Multi-device settings          |
|                | 88safe.com                             | fresh                     | Basic network settings         |
|                | vipcam.org<br>NO-IP                    |                           | Wireless lan settings          |
|                | P2PIPC.COM                             |                           | UPnP settings                  |
|                |  |                           | DDNS service settings          |
|                |  |                           | Mail service settings          |
|                |  |                           | FTP service settings           |
|                |  |                           | Alarm service settings         |
|                |  |                           | PTZ settings                   |
|                |  |                           | Local record path              |
|                |  |                           | Upgrade device firmware        |
|                |  |                           | Record schedule                |
|                |  |                           | Alarm log                      |
|                |  |                           | Back                           |

Step 2. Choose DDNS p2pipc.com which is free DDNS provided by manufacturer. Fill in the DDNS user and DDNS password according to the sticker located at the bottom of the camera.

| срехіа  |                       |  |
|---|-----------------------|--|
|   | DDNS Service Settings |  |
| DDNS Service  | P2PIPC.COM -          |  |
| DDNS User   | D45679                |  |
| DDNS Password   | •••••                 |  |
| DDNS Status   | No Action             |  |
| proxy config is needed if the device is in China Mainland or HongKong |                       |  |
| Submit Refresh  |                       |  |

Otherwise, the 3<sup>rd</sup> party DDNS is also available.

The 3<sup>rd</sup> Party DDNS: this domain is provided by a 3rd party such as Dyndns, Oray, 3322...etc. In case a 3<sup>rd</sup> Party DDNS is chosen, simply pick the server preferred such as "3322.org" or "dyn.com" as below:

For 3<sup>rd</sup> party DDNS, it is requested to register an account first. Do remember the user, password, host to fill in the requested fields when setting DDNS.

Note: Only one DDNS can be chosen, either manufacturer or 3<sup>rd</sup> party. If manufacturer DDNS is chosen, the 3<sup>rd</sup> party DDNS will not work. If 3<sup>rd</sup> party DDNS is chosen, manufacturer DDNS will not work.

b) Port Forwarding Settings

This is for setting the IP address of the camera.

[Search Tool] software will be needed (refer to the installation CD included inside the box) In "Camera Information" (right side) Default IP address is : Http://192.168.1.99:99 It can be changed according to network, for example: 192.168.0.109:109. or 192.168.0.99:90 etc...

Click "Apply", fill in the user name and password of the device. Click "OK" then the camera will reboot. Wait about 30 seconds and IP address will be changed as requested.

| 💢 Search Tool    |                          |                    |                         | X    |
|------------------|--------------------------|--------------------|-------------------------|------|
| Current Computer |                          | Camera Information | English                 | ~    |
| Network Card:    | Mini-carte WLAN Dell Wir | General Others     |                         |      |
| IP:              | 192.168.0.104            |                    |                         |      |
| Sub Mask:        | 255.255.255.0            | Name:              | OPEXIA_IPCAM            |      |
| Gateway:         | 192.168.0.1              | HTTP Port:         | 99                      |      |
| Primary DNS:     | 168.95.192.1             | Network:           | Fixed IP                |      |
| Secondary DNS:   | 168.95.1.1               | IP :               | 192.168.0.144           |      |
|                  | Auto IP Setup            | Sub Mask:          | 255 . 255 . 255 . 0     |      |
| Cameras          |                          | Gateway:           | 192.168.0.1             |      |
| Mode Name        | IP I                     |                    | Custom     Auto         |      |
| AJ OPEXIA_I      | PCAM 192.168.0.144       | Primary DNS:       |                         |      |
|                  |                          | Secondary DNS:     | 192.168.2.2             |      |
|                  |                          | Inner access:      | http://192.168.0.144:99 | Open |
| Count:1          | <u>E</u> xport           |                    |                         |      |
|                  |                          |                    | Eind Apply              |      |

Note: Make sure the "Subnet Mask", "Gateway", "DNS Server" is the same as your router.

Login the camera, click \* > "OPEXIA IP CAM" and check DDNS Status.

| SIXSGQ                           |                      |  |
|----------------------------------|----------------------|--|
| -                                | OPEXIA IP CAM        | OPEXIA IP CAM                              |
| Device Firmware Version          | 67.2.2.154           | Alias settings Device date & time          |
| Device Embeded Web UI<br>Version | 9.1.5.40             | Settings<br>Users settings                 |
| Alias                            | OPEXIA_IPCAM         | Multi-device settings                      |
| Device ID                        | OPCS-069014-HEZET    | Basic network settings                     |
| Alarm Status                     | None                 | Wireless lan settings                      |
| UPnP Status                      | UPnP succeed         | UPnP settings                              |
| DDNS Status                      | No action            | DDNS service settings                      |
| MAC                              | 00:A9:13:05:2F:8B    | Mail service settings                      |
| WIFI MAC                         | 00:A9:13:05:2F:8C    | FTP service settings                       |
| SD card total capacity (M)       | 0 M                  | Alarm service settings                     |
| SD card remaining capacity (M)   | 0 M                  | PTZ settings                               |
| SD card status                   | SD card not inserted | Local record path                          |
| Language                         | English V            | Upgrade device firmware<br>Record schedule |
|                                  | Refresh              | Alarm log<br>Back                          |

# 3.3-5 Email and FTP service settings

a) E-mail Service Setting: this function is normally for alarm notify purpose.

Step 1. Login the camera, click \* > "Mail service settings".

| פוגפרם              |  |                                |
|---------------------|--|--------------------------------|
| -                   | OPEXIA IP CAM                            |                                |
| Sender              | opexia                                   | Alias settings                 |
| SMTP Server         | smtp.gmail.com @gmail.com                | Device date & time<br>settings |
|                     |  | Users settings                 |
| SMTP Port           | 465                                      | Multi-device settings          |
| Need Authentication |  | Basic network settings         |
| SSL                 | TLS -                                    | Wireless lan settings          |
| SMTP User           | opexia@gmail.com                         | UPnP settings                  |
| SMTP Password       |  | DDNS service settings          |
|                     |  | Mail service settings          |
| Receiver 1          | franck@yahoo.com                         | FTP service settings           |
| Receiver 2          | mark@hotmail.com                         | Alarm service settings         |
| Receiver 3          | eve@gmail.com                            | PTZ settings                   |
|                     |  | Local record path              |
| Receiver 4          | sophie@aol.com                           | Upgrade device firmware        |
|                     | Test Please set at first, and then test. | Record schedule                |
|                     |  | Alarm log                      |
|                     | Submit Refresh                           | Back                           |
|                     |  |                                |

Step 2. Input information requested in the empty fields.

- Sender: input a name.
- SMTP Server: select a preset server in the list or input available mail service provider.
- SMTP User: your email address.
- SMTP password: your password.
- Receiver 1, 2, 3, 4: e-mail addresses who will receive alarm notification.

Press "Test" to check if everything is working correctly, and finally submit.

Note: the email notification is an image captured when the alarm is triggered. In case email notification is not needed, there is no need to fill this part.

b) FTP Service Setting: this function is similar to "Mail server settings". Images are sent to the FTP when alarm is triggered.

| срехіа                    |                     |   |  |
|---------------------------|---------------------|---|--|
|                           | FTP service set     | tinas   | OPEXIA IP CAM  |
| FTP Server                | opexia              | ]   | Alias settings Device date & time  |
| FTP Port                  | 21                  |   | settings   |
| FTP User                  | guest               | ]   | Users settings   |
| FTP Password              | •••••               |   | Multi-device settings<br>Basic network settings  |
| Upload Interval (Seconds) | 5                   | Space empty or 0 means not uploading pictures | Wireless lan settings  |
|                           | Test Test the FTP s | UPnP settings                                 |  |
|                           |                     | fresh   | DDNS service settings<br>Mail service settings<br>FTP service settings<br>Alarm service settings<br>DTZ settings<br>Local record path<br>Upgrade device firmware<br>Record schedule<br>Alarm log<br>Back |

Step 1. Login the camera, click \* >"FTP service settings".

Step 2. Input information requested

-FTP Server: ftp server address.

- -FTP Port: ftp server port.
- -FTP User: the ftp user.

-FTP Password: user password.

-Upload Interval: time frequency of pictures upload. Once alarm is triggered, the camera will capture pictures & upload to FTP.

Note: leaving the field empty or set as "0" means not uploading pictures.

## 3.3-6 Alarm Service Settings

Login the camera, click \* > "Alarm Service Settings".

2 modes of alarm trigger:

1- By motion detection. The sensitivity of motion detection can be adjusted (the smaller the number is, the higher sensitivity is).

2- By external alarm. It triggers according to external alarm signal which connects to linkage alarm GPIO (not available on OP-CS01).

3 ways of response upon alarm trigger:

-Siren (by external alarm setup)

-Email notification (by sending captured images)

-FTP pictures upload (by uploading images to indicated FTP)

Schedule alarm setting on the time table (select all or choose any time preferred by clicking on the table).

| סוצאם   |                         |
|---|-------------------------|
| Alarm service settings  | OPEXIA IP CAM           |
|   | Alias settings          |
|   | Device date & time      |
| Motion Detect Sensibility 1 V The smaller the value, the more sensitive | settings                |
| Alarm Input Armed   | Users settings          |
| Trigger Level High 🗸  | Multi-device settings   |
| Alarm trigger event   | Basic network settings  |
| Alarm preset linkage None V   | Wireless lan settings   |
|   | UPnP settings           |
| Mail  | DDNS service settings   |
| Upload Image on Alarm   | Mail service settings   |
| Upload Interval (Seconds) 5 ×   | FTP service settings    |
| Alarm Arming Time   | Alarm service settings  |
| Scheduler   | PTZ settings            |
| select all  | Local record path       |
|   | Upgrade device firmware |
| 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       | Record schedule         |
| Sun   | Alarm log               |
| Mon   | Back                    |
| Tue   |                         |
| Wed   |                         |
| Thu   |                         |
| Fri   |                         |
| Sat   |                         |
| Submit  | -                       |

# 3.3-7 Record & Capture Path

Login the camera, click \* >"Local record path".

This sector is for computer use. It includes information about the recording details.

| פואפתס                   |                   |                      |        |  |
|--------------------------|-------------------|----------------------|--------|--|
| -                        | OPEXIA IP CAM     |                      |        |  |
| Local record path        | Local record path | 1                    | select | Alias settings<br>Device date & time<br>settings |
| Record file length (MB)  | 100               | Min 100MB, Max 1000M | В      | Users settings                                   |
| Reserved disk space (MB) | 200               | Min 200MB            |        | Multi-device settings                            |
| Record cover             |                   |                      |        | Basic network settings                           |
|                          |                   |                      |        | Wireless lan settings                            |
|                          | Submit Refres     | n                    |        | UPnP settings                                    |
|                          |                   |                      |        | DDNS service settings                            |
|                          |                   |                      |        | Mail service settings                            |
|                          |                   |                      |        | FTP service settings                             |
|                          |                   |                      |        | Alarm service settings                           |
|                          |                   |                      |        | PTZ settings                                     |
|                          |                   |                      |        | Local record path                                |
|                          |                   |                      |        | Upgrade device firmware                          |
|                          |                   |                      |        | Record schedule                                  |
|                          |                   |                      |        | Alarm log  |
|                          |                   |                      |        | Back   |

Record cover means overwriting. Once disk is full, the old recording files will be replaced by new ones automatically.

# 3.3-8 Upgrade Device Firmware

Login the camera, click \* >"Upgrade device firmware".

| elxed                       |                          |        |         |                                |
|-----------------------------|--------------------------|--------|---------|--------------------------------|
| -                           | Upgrade device firmv     | vare   |         | OPEXIA IP CAM                  |
| Restore Factory Settings    |                          | 1      |         | Alias settings                 |
|                             | Restore Factory Settings |        |         | Device date & time<br>settings |
| Reboot Device               | Reboot Device            |        |         |                                |
| Upgrade Device Firmware     |                          | Search | Upgrade | Users settings                 |
| Upgrade device embedded web |                          | Occert | Unavada | Multi-device settings          |
| UI                          |                          | Search | Upgrade | Basic network settings         |
|                             |                          |        |         | Wireless lan settings          |
|                             |                          |        |         | UPnP settings                  |
|                             |                          |        |         | DDNS service settings          |
|                             |                          |        |         | Mail service settings          |
|                             |                          |        |         | FTP service settings           |
|                             |                          |        |         | Alarm service settings         |
|                             |                          |        |         | PTZ settings                   |
|                             |                          |        |         | Local record path              |
|                             |                          |        |         | Upgrade device firmware        |
|                             |                          |        |         | Record schedule                |
|                             |                          |        |         | Alarm log                      |
|                             |                          |        |         | Back                           |

a) Restore Factory Settings

This function is mainly used when password is forgotten.

Simply click [Restore Factory Settings], confirm by clicking [OK] and wait for 1 minute for feature setting restore.

#### b) Reboot Device

In case any error is caused and rebooting the device is needed, click [Reboot Device] and confirm by clicking [OK]. This process might require 1 minute.

c) Upgrade Firmware & Web UI

Note that upgrading is risky and can cause further functional issues.

## 3.3-9 Record schedule

OPEXIA OP-CS01 supports memory card (micro SD) recording function. "Record schedule" settings can be seen in the following image. After micro SD card is inserted, the capacity is shown. Do format memory card before using.

| 5        | Ē     | 2)    | a     | 2      |        |     |    |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    |                                   |
|----------|-------|-------|-------|--------|--------|-----|----|------|-------|--------|-------|----|------|------|-----|-------|--------|-----|-----|-------|-------|-------|-----|----|-----------------------------------|
|          |       |       |       | _      | ,      |     |    |      |       | Rec    | cord  | sc | hedu | ule  |     |       |        |     |     |       |       |       |     |    | OPEXIA IP CAM                     |
| SD care  | d tot | al ca | apaci | ity (N | N)     |     | 10 | N    |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | Alias settings Device date & time |
| SD care  | d rer | nain  | ing c | apa    | city ( | (M) | 01 | N    |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | settings                          |
| SD car   | d sta | tus   | -     | -      |        |     | SE | ) ca | rd no | ot ins | serte | 1  | Forn | nat  | 1   |       |        |     |     |       |       |       |     |    | Users settings                    |
| Overwr   | itina | rec   | ord   |        |        | _   |    | 1    |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | Multi-device settings             |
| Record   | -     |       |       | a      |        | _   | 5  |      |       |        |       |    |      |      |     | ecord | ling t | imo |     | 0: E. | 60 m  | ainud | 00  |    | Basic network settings            |
|          |       |       |       |        |        |     |    | _    |       |        |       |    |      |      |     | COLO  | ing t  | me  | any | e. 0~ | 00 11 | IIIIu | .85 |    | Wireless lan settings             |
| Record   | -     | sche  | dule  |        |        |     | _  |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | UPnP settings                     |
| select a | all   |       |       |        |        |     | Ŀ  |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | DDNS service settings             |
| 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 | Mail service settings             |
| Sun      |       |       |       |        |        |     |    |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | FTP service settings              |
| Mon      |       |       |       |        |        |     |    |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | Alarm service settings            |
| Tue      |       |       |       |        |        |     |    |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | PTZ settings                      |
| Wed      |       |       |       |        |        |     |    |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | Local record path                 |
| Thu      |       |       |       |        |        |     |    |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | Upgrade device firmware           |
| Fri      |       |       |       |        |        |     |    |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | Record schedule                   |
| Sat      |       |       |       |        |        |     |    |      |       |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | Alarm log                         |
|          |       |       |       |        |        |     |    |      | Г     |        |       |    |      |      |     |       |        |     |     |       |       |       |     |    | Back                              |
|          |       |       |       |        |        |     |    |      |       | S      | ubm   | it |      | Refr | esh |       |        |     |     |       |       |       |     |    |                                   |

Video playback online is available via IE browser. For details please refer to3.1-4.

## 4. Notice

Thank you for choosing OPEXIA security products.

Read carefully and pay attention to the following manual and keep it in a place that is convenient to refer to.

Warranty does not cover damage caused by improper use or installation. This alarm system does not warrant preventing any personal injury or property loss by burglary, robbery, fire or otherwise. Therefore, the product does not compromise that in all cases it will provide adequate warning or protection.

However, a properly installed and maintained alarm may reduce the risk of a burglary, fire or other events occurring. Note that it is not insurance or a guarantee.

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