



CONCEPTRONIC

User Manual

Wireless Pan & Tilt Camera

CIPCAMPTIWL

v1.0



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1 Introduction

The Wireless Pan & Tilt Camera combines a high quality digital video camera with network connectivity and a powerful web server to bring clear video to your desktop from anywhere on your local network or over the Internet.

1.1 The package includes

- ✓ Conceptronic Wireless Pan & Tilt Camera
- ✓ Product CD-ROM
- ✓ Network cable
- ✓ Power adapter
- ✓ Replaceable antenna (1x)
- ✓ Multi language quick guide

1.2 Function and Features

- ✓ Built-in microphone enables users to monitor the sound on the site. Users can also connect this equipment to a speaker, and it supports two-way intercom function.
- ✓ Pan/tilt function with wide FOV of 270° horizontal and 120° vertical.
- ✓ Easy and convenient to install.
- ✓ Support 802.11b/g protocol, can build up wireless monitoring.
- ✓ Infrared LED for night vision covers 5m area, suitable for 24 hours monitoring.
- ✓ Motion detection and alarm pin can be connected to external sensors to detect environmental situations.
- ✓ Alarm record can be stored by email or FTP server.
- ✓ Support mobile phone viewing.
- ✓ Free DDNS.
- ✓ Free software supporting Multi-view, Long time recording, video replay etc.

1.3 Technical Specifications

| Item | Sub Item | Description |
|---------------|----------------------|----------------------------|
| Image Capture | Sensor | CMOS sensor |
| | Total of pixel | 300k |
| | Minimum illumination | IR on, 0 Lux |
| | Lens | f=3.6mm, F=2.0, Fixed Iris |
| Pan/Tilt | Pan Coverage | 270° |
| | Tilt Coverage | 120° |

| | | |
|--------------------|-----------------------|--|
| Assistant | Lighting | 10pcs 850nm Infrared LEDs, 5m distance |
| | Lighting Control | Auto control |
| Video and Audio | Resolution | 640*480(VGA)/320*240(QVGA)/160*120(QQVGA) |
| | Compression | MJPEG |
| | Frame rate | 30fps |
| | Bit rate | 128kbps ~ 5Mbps |
| | Image Rotation | Mirror /Flip |
| | Audio Compression | ADPCM |
| Network | Basic Protocol | TCP/IP、UDP/IP、HTTP、SMTP、FTP、DHCP、DDNS、UPNP、NTP、PPPOE |
| | Other Protocol | 802.11b/g |
| Other Features | Video control | support |
| | Dual way audio | support |
| | Motion Detection | support |
| | Triggered Actions | Email/FTP/external alarm/send message to alarm server |
| | User Setting | Three levels |
| | Date/ Time Setting | support |
| | Upgrade | Upgrade from network |
| Hardware Interface | DDNS | Free DDNS |
| | Ethernet | 10Base-T/100base-TX |
| | Alarm In | 1 way |
| | Alarm Out | 1 way |
| | Audio In | Internal mic |
| Physical Index | Audio Out | Audio Line-out interface x 1 |
| | Weight | 245g |
| | Main body | 100mm(L)*99mm(W)*118mm(H) |
| | Power | DC 5V |
| | Power consumption | <6W |
| | Operating temperature | -20°C~ 50°C |
| Software(PC Side) | Operating temperature | 10% ~ 80% non-condensing |
| | OS Supported | Microsoft Windows 98/2000/XP/Vista etc. |
| | Browser | Internet Explorer6.0 and Above or Compatible Browser, Firefox, Safari etc. |
| | Application Software | IPCMonitor.exe |

2 Appearance and Interface

2.1 Appearance



Figure 1

Status Indicator: the green light is to show that the device is running
Slow flicker(one per 2 second): indicates the device is searching for network
Flicker(one or twice per second: indicates the wired network connected
Frequent flicker(2~3 times per second): indicates wireless network connected.

2.2 Interface

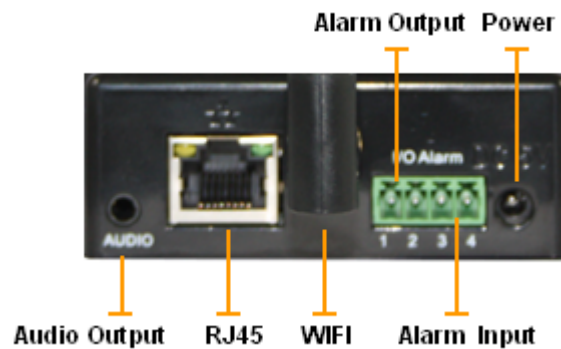


Figure 2

RESET Button: Press the RESET button and hold on more than 10 seconds and the camera will restart and restore to factory default settings.

3 Visit the Camera from LAN

3.1 LAN connection



Figure 3

3.2 Search and set the IP address of the Camera

Run "BSearch_en.exe" in the CD, the setting interface as figure 4.

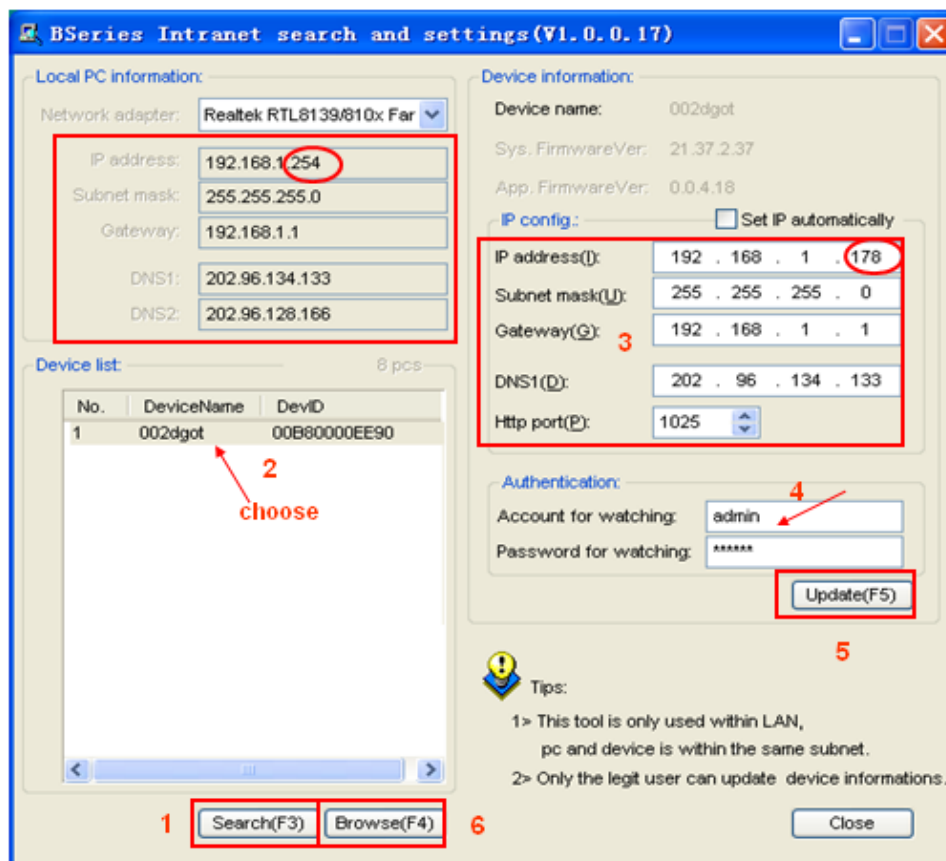


Figure 4

Operation Steps:

- 1) Click "Search (F3)
- 2) Choose the device
- 3) Change the IP address of camera according to the information in the red frame on the left. The numbers in the red circle should not be the same.
- 4) Put the user name and password into "Authentication" (**By default, the user name is: admin, password is: 123456**).
- 5) Click "Update"

- 6) After successfully updating, click “Search (F3)”, choose the device and click “Browse (F4)”. Then you may view the camera, like figure 5.

NOTE:

- 1) If you don't know how to fill out the content of “IP config”, you could also tick the “Set IP automatically” to get the IP address from the router automatically.
- 2) If you have the firewall software in your PC, when you run the BSearch_en.exe, it may pop up a window to say “whether you want to block this program or not”, then you should choose not to block.
- 3) The default IP address is 192.168.0.178 and default http port is 80.



Figure 5

3.3 Visit IP Camera

We suggest using IE kernel browser to view the video (it can provide more functions), but a Player has to be installed before viewing the video. Click “download and install player” link, it will popup dialogue box as Figure 6, click Run, it will automatically download the player and install.



Figure 6

3.3.1 Video Play Area

After install the plug-ins, click “Mode 1 to view” link in Figure 5 to view the video (video as Figure 7).

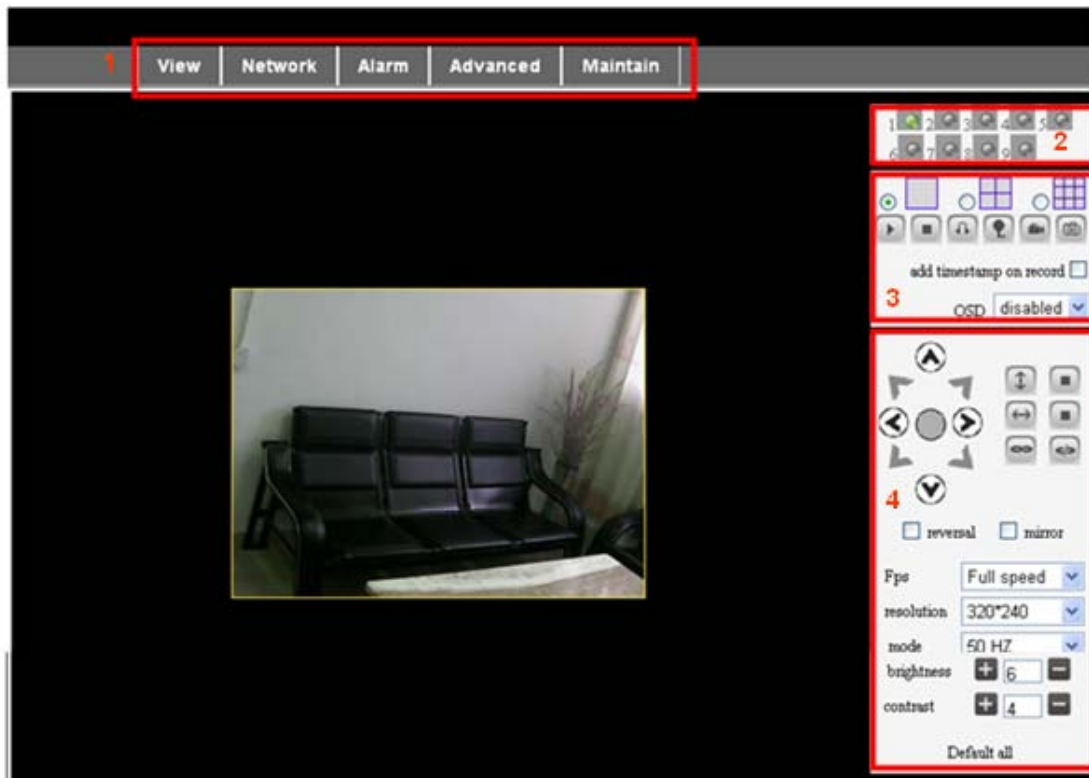


Figure 7

1) Main Menu

The main menu includes the function setting of different submenu

2) Status Displaying Area

In right up corner, it is the status displaying area, to show the 9 devices' status:


- ◆ if not connected, button is gray
- ◆ if connected, button is green
- ◆ If wrong connected , button is yellow
- ◆ If alarm , button is red

3) Multi Channel displaying area

If users add multi channel (refer to 5.3.2) , when shift to 4-Ch, 9-CH, and it will automatically show other devices. You select one device, and you can operate it by these keys: play, stop, and record, control Pan/tilt, etc.



These buttons mean start video, stop, monitor, talk, record and snapshot.

P.S.: If you want to click this button  to record the video, please go to advanced—Other Settings to set the Record Path first. Please see figure 8.

| Other Settings | |
|------------------------|---|
| Status LED Mode | Open Indicator LED ▾ |
| PTZ settings | |
| PTZ Center on Start | No ▾ |
| Horizon Patrol Rounds | 1 ▾ (NOTE: 0 means infinity) |
| Vertical Patrol Rounds | 1 ▾ (NOTE: 0 means infinity) |
| Manual PTZ Rate | 0 ▾ |
| Auto Horizon Rate | 5 ▾ |
| Auto Vertical Rate | 5 ▾ |
| Path Set | |
| Record Path | C:\Documents and Settings\All Users\Documents <input type="button" value="Browse.."/> |

Figure 8

4) PT and video control

In Pan/Tilt control area, user can control the position according to the arrow sign: up, down, left, right, middle, horizontal cruise, vertical cruise, and stop etc.



Means open IO output and Close IO output.

User can also set the device frame rate, resolution, brightness, contrast and other parameters.

4 Visit IP Camera from WAN

4.1 Wan connection

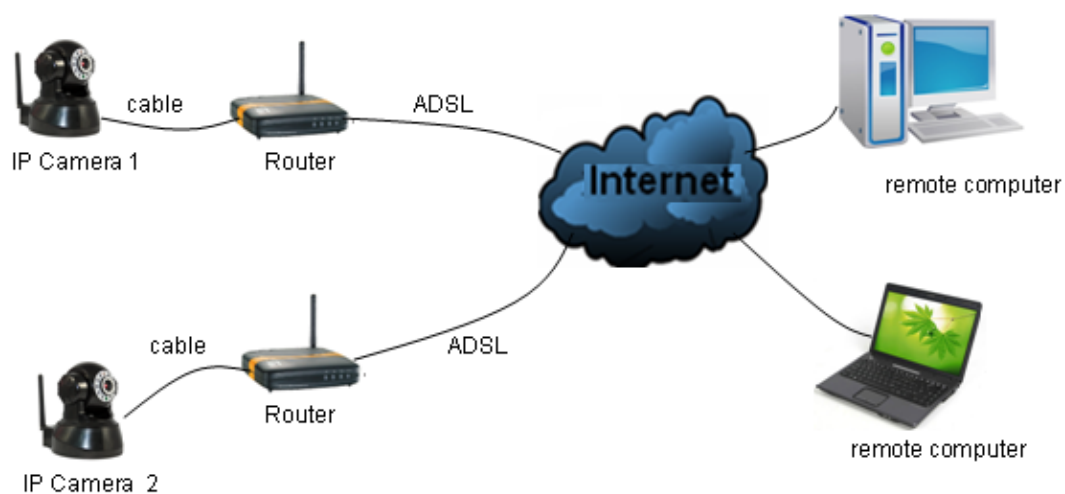


Figure 9

4.2 Port forwarding

If visit IP Camera from WAN, you **must** do port forwarding on the router. Take Netgear router for example.

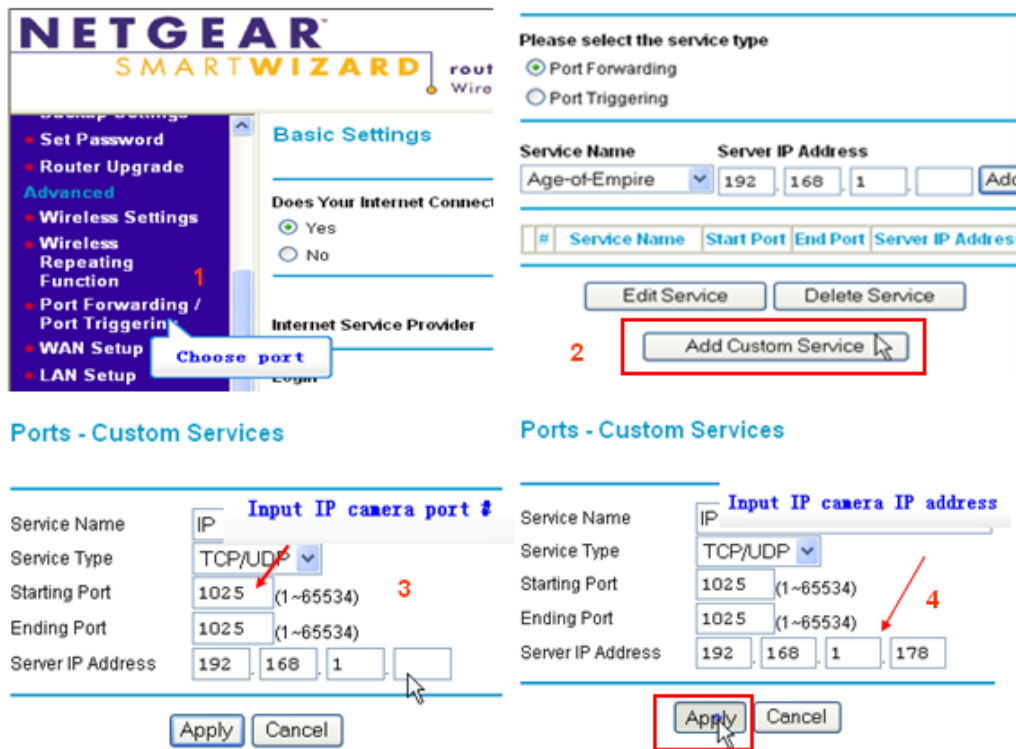


Figure 10

Operation Steps:

- 1) After login the interface of the router, choose "Port Forwarding"
- 2) Choose "Add custom Service"
- 3) Input IP camera port
- 4) Input IP camera IP address, click "Apply". (the http port and ip address should be the same as figure 4 which set by you own)

Note: Different router has different settings for port-forwarding; please kindly follow your router guide to do the port-forwarding.

After the port-forwarding is done, you could view the IP Camera from WAN now.

4.3 DDNS

You could also use the manufacturer DDNS to view the device as long as your port-forwarding succeeds.

4.3.1 Free DDNS Portal

The Wireless Pan & Tilt Camera has free DDNS service. User can find it in network menu, like figure 11.

| Manufacture's DDNS | |
|----------------------|-------------------|
| Manufacture's Domain | 002alcn.nwsvr.com |

Figure 11

4.3.2 Third Party DDNS

User can also use third part DDNS, such as www.dyndns.com User must apply a free domain name from this website and fill the info into the below blanks (Figure 12) and save the settings. Then the domain name can be used.

| | |
|---------------|----------------------|
| DDNS Service | DynDns.org(dyndns) ▾ |
| DDNS User | btest |
| DDNS Password | ●●●●●● |
| DDNS Host | btest.dyndns.biz |

Figure 12

Note: Using the third party domain name, if the http port is not 80, the port number should be adding to the domain name with colon. Example: <http://btest.dyndns.biz:81>. **N.**

5 Other Settings

5.1 Network Setting

5.1.1 Basic Network Setting

The user can also enter the Basic Network Settings to set the IP address except using the search software. See below Figure 13.

| Network Settings | |
|-------------------------|--------------------------|
| Obtain IP automatically | <input type="checkbox"/> |
| IP Addr | 192.168.0.139 |
| Subnet Mask | 255.255.255.0 |
| Gateway | 192.168.0.1 |
| DNS Server | 192.168.0.1 |
| Http Port | 80 |

Figure 13

5.1.2 WIFI Setting

If the device is with WIFI, enter the Wireless LAN Setting, just as below Figure 14 shown, click the "Scan" button, it will show you all the wireless networks detected in the Wireless Network List column. Select one of them and tick "Using Wireless Lan", then the relevant data of the selected wireless network will be shown in the following blanks. Enter the password and click "Set", then the WIFI setting is finished.

| Wireless Settings | |
|-----------------------|--|
| Wireless Network List | <div style="border: 1px solid black; padding: 2px;"> ChinaNet-Tbkr[00255e1e5d08] infra WPA/WPA2-PSK wifi[001e58f37857] infra WPA/WPA2-PSK netview[002586697046] infra WPA/WPA2-PSK </div> <input type="button" value="Scan"/> |
| Using Wireless Lan | <input checked="" type="checkbox"/> |
| SSID | wifi |
| Encryption | WPA2 Personal (AES) ▾ |
| Share Key | 8939038200 |

Figure 14

Note1: When the device is connected both WiFi and wired, it will firstly connect to the wired network, if it can't connect to it, then it will change and connect to WiFi. The IP address and port is the same, either wireless or wired network.

Note2: Before you start the configuration of wireless as shown above; please make sure the device is connected to the network via network cable. After settings succeed, please reboot the device and wireless function takes effect.

5.1.3 ADSL Setting

User could enable the ADSL Dialup according to the below Figure 15 (The ADSL provider will assign the user name and password to you when you apply for ADSL service.) Connect the device directly to the ADSL modem and it is connected to the Internet.

| ADSL Settings | |
|-------------------|-------------------------------------|
| Using ADSL Dialup | <input checked="" type="checkbox"/> |
| ADSL User | szlgview@163.gd |
| ADSL Password | •••••••• |

Figure 15

5.1.4 UPnP Setting

If you enable UPNP, once the Wireless Camera is connected into the LAN, it will communicate with the router in the LAN to do the port-forwarding automatically.

Below Figure 16, tick "Using UPNP to Map Port" and the setting are completed. You could check the UPNP succeeds or not in the interface of System Maintenance.

| UPnP Settings | |
|------------------------|-------------------------------------|
| Using UPnP to Map Port | <input checked="" type="checkbox"/> |

Figure 16

Before using UPNP function, please make sure the router's UPNP function has been triggered. Not all the routers support UPNP perfectly. Please test if the router works well

with the equipment, if not, we would suggest you to disable this function and do the port-forwarding manually.

5.1.5 DDNS Setting

Please refer to the content in 4.3.

5.1.6 MSN Setting

| MSN Config | |
|------------------|--|
| User | <input type="text" value="test1@hotmail.com"/> |
| Password | <input type="password" value="●●●●●●"/> |
| MSN Friends List | <input type="text" value="friend1@hotmail.com"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |

Figure 17

User needs to apply for a MSN account for this device first, for example: test1@hotmail.com. Please put this MSN account and its password as above Figure 17. Then put your MSN account, for example: friend1@hotmail.com, into the 'MSN Friends List. Then on your friend1@hotmail.com MSN list, you can see test1@hotmail.com is online. You just send "url?" to test1@hotmail.com and you will get the WAN ip address of this IP Camera. But please make sure test1@hotmail.com and friend1@hotmail.com should be MSN friends before you do the settings.

5.2 Alarm Settings

5.2.1 Alarm Setting

1) Alarm Detect

User can enable motion detection. If there is any motion, it will detect the motion and trigger the alarm. In motion detect sensibility, the higher the figure, the more sensitive.

As showed in Figure 18, if any external alarm detector is connected, user will be able to tick "Alarm Input Armed". If the external alarm detector is an always on switch alarm, please choose "open". If the external alarm detector is always off switch alarm, please choose "close".

| Alarm Settings | |
|---|---|
| Alarm Detect | |
| Motion Detect Armed | <input checked="" type="checkbox"/> Motion Detect Sensibility 5 |
| Alarm Input Armed | <input checked="" type="checkbox"/> <input checked="" type="radio"/> Open <input type="radio"/> Close |
| Alarm Action | |
| IO Linkage on Alarm | <input type="checkbox"/> |
| Send Mail on Alarm | <input checked="" type="checkbox"/> |
| Upload Image to FTP | <input type="checkbox"/> |
| Enable Alarm Server | <input type="checkbox"/> |
| Scheduler | |
| <input checked="" type="radio"/> All time <input type="radio"/> Schedule(NOTICE:set the correct 'Device Clock')Device Clock | |
| <input type="button" value="Submit"/> <input type="button" value="Refresh"/> | |

Figure 18

2) Alarm Action

All kinds of alarm modes:-

- IO interface for alarm signal output: when relay is switched on, the external alarm will begin to alarm.
- Send alarm info by email.
- Send the site pictures to the FTP server, user can also set the break time between two pictures.
- Send alarm info to the alarm server.

3) Scheduler

Device will trigger alarm in scheduled time. User can set schedule time to be “all the time”. Before you set “Schedule”, please go to Date and Time settings to set the correct time for the item, as shown in figure 19.

| Alarm Detect | |
|---|---|
| Motion Detect Armed | <input checked="" type="checkbox"/> Motion Detect Sensibility 5 <input type="button" value="v"/> |
| Alarm Input Armed | <input checked="" type="checkbox"/> <input checked="" type="radio"/> Open <input type="radio"/> Close |
| Alarm Action | |
| IO Linkage on Alarm | <input type="checkbox"/> |
| Send Mail on Alarm | <input checked="" type="checkbox"/> |
| Upload Image to FTP | <input type="checkbox"/> |
| Enable Alarm Server | <input type="checkbox"/> |
| Scheduler | |
| <input type="radio"/> All time <input checked="" type="radio"/> Schedule(NOTICE:set the correct 'Device Clock')Device Clock | |
| 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 | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Mon | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Tue | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Wed | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Thu | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Fri | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Sat | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="button" value="Submit"/> <input type="button" value="Refresh"/> | |

Figure 19

5.2.2 Mail Service Setting

| eMail Settings | |
|---|---------------------------------------|
| Sender | sender@sohu.com |
| Receiver 1 | receiver@sohu.com |
| Receiver 2 | |
| Receiver 3 | |
| Receiver 4 | |
| SMTP Server | smtp.sohu.com |
| SMTP Port | 25 |
| Transport Layer Security Protocol | None <input type="button" value="v"/> |
| Gmail only support TLS at 465 port and STARTTLS at 25/587 port. | |
| Need Authentication | <input checked="" type="checkbox"/> |
| SMTP User | sender |
| SMTP Password | •••••••• |
| <input type="button" value="Test"/> | Please set at first, and then test. |
| Report Internet IP by Mail | <input type="checkbox"/> |

Figure 20

The device will send alarm email to you. You only need to fill out the blanks with your email address as shown in Figure 20. After the setting, please click save and test to check if it works properly. If it is properly set, user can tick to enable “Report Internet IP by mail”. After every restart, the device will send its Internet IP address to user’s email address.

5.2.3 FTP Service Setting

| Ftp Settings | |
|-------------------------------------|-------------------------------------|
| FTP Server | 192.168.0.56 |
| FTP Port | 21 |
| FTP User | test |
| FTP Password | ••••• |
| FTP Upload Folder | /test |
| FTP Mode | PORT ▼ |
| <input type="button" value="Test"/> | Please set at first, and then test. |
| Upload Image Periodically | <input type="checkbox"/> |

Figure 21

When alarming, device will snap and send the image to FTP server, please make sure the FTP setting is correct. Above Figure 21 of FTP setting for your reference, after the setting is finished, click “Test” to test your settings are correct or not.

After correct setting FTP server, you can use “upload Image Periodically” function. Even no alarm, device can also send the snap image to FTP periodically.

In order to use FTP function, user should apply username and password on the FTP server first. And please apply some storage, and the authority to write and create sub-category into it.

5.2.4 Alarm Server

| Alarm server | |
|-----------------|--------------|
| Server Address: | 192.168.0.78 |
| Server Port: | 1000 |
| User Name: | test |
| Password: | ••••• |

Figure 22

Please confirm if you have connected to alarm server. The alarm message format as follow:

```
GET /api/alarm.asp?
  username=username&
```

```

userpwd=password&
rea=alarm type (1=Motion Detection, 2 =Alarm from Alarm in port)&
io=0

```

Alarm server needs developing by user. User can extend other functions on this server, like SMS, MMS alarm, and mobile phone etc.

5.3 Advanced

5.3.1 User Setting

There are three levels of authority; they are Administrator/Operator/Visitor. Administrator have the highest authority, it can do any change to the settings. Operator account only can operate the IP camera, can't do changes to the settings. Visitor account only can watch the video, can't do any operation to the IP camera. **By default, the administrator's user name is admin, password: 123456.**

| Users Settings | | |
|----------------|----------|-----------------|
| User | Password | Group |
| admin | •••••• | Administrator ▼ |
| user | •••• | Operator ▼ |
| guest | ••••• | Visitor ▼ |

Figure 23

5.3.2 Multi Device Setting

| Multi-Device Settings | |
|--|--|
| Device List in Lan | anonymous(192.168.0.247) 002alc(192.168.0.67) 002abyc(192.168.0.239) 002aqvc(192.168.0.241) |
| | <input type="button" value="Refresh"/> |
| The 1st Device | This Device |
| The 2nd Device | None |
| The 3rd Device | None |
| The 4th Device | None |
| The 5th Device | None |
| The 6th Device | None |
| The 7th Device | None |
| The 8th Device | None |
| The 9th Device | None |
| attention: If you want to access the device from internet, be sure the host and port that you set can be accessed from internet. | |
| <input type="button" value="Submit"/> <input type="button" value="Refresh"/> | |

Figure 24

As Figure 24, User can maximum add 9 devices to view the device simultaneously. Click refresh button to check the device in the LAN. When click the device, will popup setting dialogue box and input the device info, as figure 25 and click save. After that, must click submit button to save.

| | |
|---|---|
| The 2nd Device | None |
| Alias | <input type="text" value="002alcl"/> |
| Host | <input type="text" value="192.168.0.67"/> |
| Http Port | <input type="text" value="80"/> |
| User | <input type="text" value="admin"/> |
| Password | <input type="password" value="*****"/> |
| <input type="button" value="Save"/> <input type="button" value="Remove"/> | |

Figure 25

5.3.3 Other settings

You can choose open or close indicator LED. If set PTZ center on start 'Yes', when start device, Pan/Tilt will move to center and then stop. You can also set the Horizon patrol rounds and vertical patrol rounds, when you click patrol on the 'view' interface, it will round according to your setting rounds. You can also set PTZ rate, 0 means fastest.

| Other Settings | |
|------------------------|--|
| Status LED Mode | <input type="text" value="Open Indicator LED"/> ▾ |
| PTZ settings | |
| PTZ Center on Start | <input type="text" value="No"/> ▾ |
| Horizon Patrol Rounds | <input type="text" value="1"/> ▾ (NOTE: 0 means infinity) |
| Vertical Patrol Rounds | <input type="text" value="1"/> ▾ (NOTE: 0 means infinity) |
| Manual PTZ Rate | <input type="text" value="0"/> ▾ |
| Auto Horizon Rate | <input type="text" value="5"/> ▾ |
| Auto Vertical Rate | <input type="text" value="5"/> ▾ |
| Path Set | |
| Record Path | <input type="text" value="C:\Documents and Settings\All Users\Documents"/> <input type="button" value="Browse.."/> |

Figure 26

5.4 Maintain

5.4.1 Device Information

| Device Info | |
|-------------------------------|--|
| Device ID | 002aaai |
| Device Firmware Version | 21.37.2.37 |
| Device Embeded Web UI Version | 0.0.4.18 |
| MAC | 00:01:02:03:02:03 |
| Alarm Status | None |
| Third Party DDNS Status | 3322 Succeed http://robbicam1.3322.org:10540 |
| UPnP Status | No Action |
| MSN Status | No Action |

Figure 27

5.4.2 Time Setting

If the device is connected to the Internet, you enable the NTP server to correct the time and select the right time zone. Or you should use the PC's time to correct its time.

| Date & Time Settings | |
|-----------------------|--|
| Device Clock Time | 2010 - 3 - 29 20:08:20 |
| Device Clock Timezone | (GMT +08:00) Beijing, Singapore, Taipei <input type="button" value="v"/> |
| Sync with NTP Server | <input checked="" type="checkbox"/> |
| Ntp Server | time.nist.gov <input type="button" value="v"/> |
| Sync with PC Time | <input type="checkbox"/> |

Figure 28

5.4.3 Firmware upgrade

The device runs 2 kinds of programmer, one is system firmware, the other is application firmware. They could be upgraded separately.

| Upgrade Firmware | |
|-------------------------------|--|
| Upgrade Device Firmware | <input type="text"/> <input type="button" value="Browser..."/> <input type="button" value="Submit"/> |
| Upgrade Device Embeded Web UI | <input type="text"/> <input type="button" value="Browser..."/> <input type="button" value="Submit"/> |

Figure 29

5.4.4 Restore Factory Default

Click "Restore Factory Default", it will pop up a dialogue to confirm if you really want to restore the factory default. After confirmation, the system will restore the factory default and reboot.

5.4.5 User browsing Log

After enter the log interface, you could view who and when the device is visited.

| Log | | | | |
|--------------------------|-------|---------------|--------|--|
| Mon, 2010-03-29 19:05:20 | admin | 192.168.0.175 | access | |
| Mon, 2010-03-29 19:43:33 | user | 192.168.0.175 | access | |
| Mon, 2010-03-29 19:47:51 | user | 192.168.0.175 | access | |
| Mon, 2010-03-29 19:49:02 | guest | 192.168.0.175 | access | |
| Mon, 2010-03-29 19:57:40 | admin | 192.168.0.175 | access | |

Figure 30

6 Centralization Control

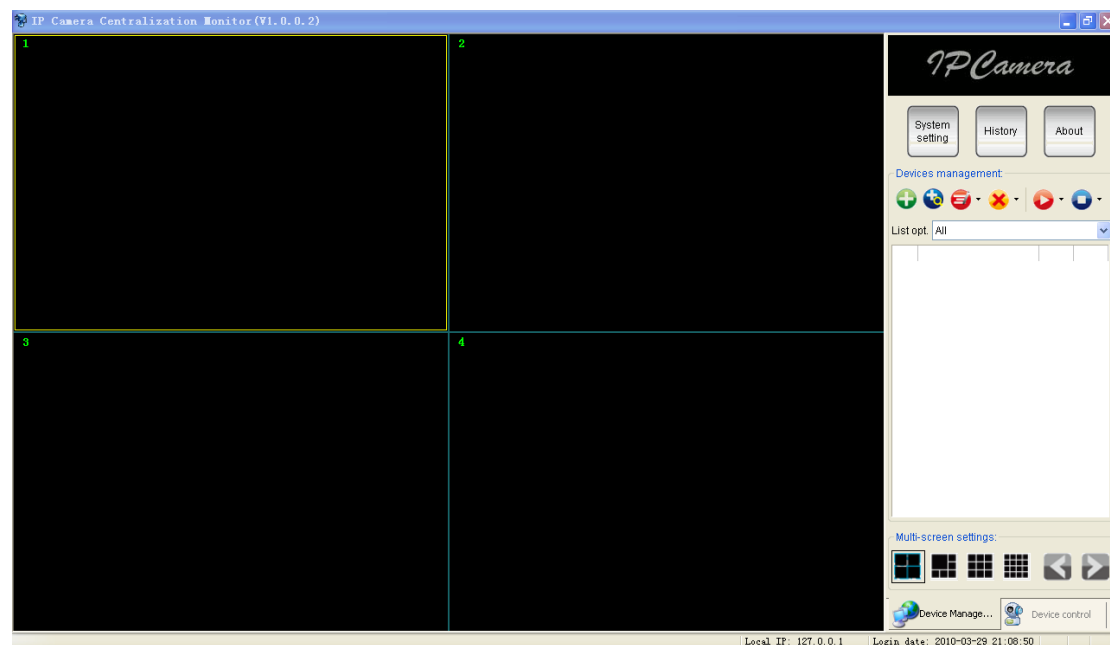


Figure 31

IPCMonitor is a free software offered by factory, several devices on LAN and WAN can be browsed at the same time. The software also supports snap, video record, alarm and so on. The below Figure 31 is the interface.

For more information, pls. refer to the <<IPCMonitor User Manual>> in CD.

7 FAQ

1) Unmatched power adapter will damage the equipment or power adapter

When plug in the power adapter, please check carefully the voltage, it should be 5V adapter for this equipment.

2) Slow browser speed

This equipment adopts MJPEG compression format, it needs large network bandwidth, the narrow bandwidth will affect the browse speed. The typical bandwidth uses situation as below:

640x480@10fps : 4.0 Megabits ~ 5.0 Megabits

320x240@30fps : 1.2 Megabits ~ 1.6 Megabits

3) Color difference

The default is infrared lens, when visit outdoor or strong infrared light scenes, there are color differences, the color is not accordance to the real scenes. User can change it to color lens to solve this problem, but color lens can only use under the daylight situation.

4) Can't find equipment via search software after connect to LAN

Make sure the equipment and PC is in the same LAN; if install firewall software, please close it and try again.

5) Can find equipment via search software, but can't visit

If the IP address of IP camera and PC is not in the same Network Segment, you should change them on the same Network Segment before visit. Network Segment is the first three number of IP address. If the IP address of PC is 192.168.0.100, so it can only visit the equipment which IP address is between 192.168.0.1~192.168.0.255.

6) Can visit via public IP address, but can't visit via manufacturer's domain name

Make sure the DNS setting is same as your PC, as below Figure 33, in the search tool, the DNS 1 and DNS 2 on both side should be same.

The screenshot displays a network configuration window with two main sections: 'Local PC information' and 'Device information'.
Local PC information:
- Network adapter: Realtek RTL8139/810x Far (dropdown menu)
- IP address: 192.168.0.175
- Subnet mask: 255.255.255.0
- Gateway: 192.168.0.1
- DNS1: 192.168.0.1
- DNS2: (empty field)
Device information:
- Device name: 002a1cn
- Sys. FirmwareVer: 21.37.2.37
- App. FirmwareVer: 0.0.4.18
IP config: (checkbox 'Set IP automatically' is unchecked)
- IP address(I): 192 . 168 . 0 . 78
- Subnet mask(U): 255 . 255 . 255 . 0
- Gateway(Q): 192 . 168 . 0 . 1
- DNS1(D): 192 . 168 . 0 . 1
At the bottom left, there is a 'Device list' section showing '1 pcs'.

Figure 32