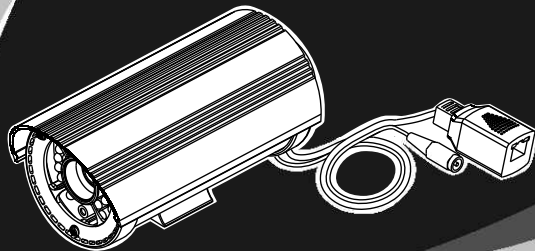


IP Infrared Color Camera

• Manual •

2009 JUL. Ver 1.0



Cautions

1. Read this user manual before use.
2. Keep this user manual accessible.
3. Follow instruction
4. Keep this unit away from cleanser.
5. Keep this unit dry in ventilation.
6. Give way to ventilation outlet.
7. Power cord must be fixed properly.
8. To avoid damage, unit must not be stuffed or be splashed with something.
9. Do not repair this unit on your own.
10. Please contact local dealer for the following condition:
 - a. Power cord damaged.
 - b. Showered unit.
 - c. Failure in operation.
 - d. Unit dropped or cabinet damaged.
11. Repairing components must be approved by original manufacturer.
12. Ground wire of outdoor image source must be well connected to the ground to prevent from thunder attack.
13. Power cord and outdoor image source cable should be detached in case of thunder attack.

Warning

Only qualified engineer can detach the cover. There is nothing inside for end users. Cover must not be removed in case of power on.

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1.OUTLINE

IP-CAM is a low cost provision of network surveillance facility which transmits images on network to remote PC in format of compression technology. Monitoring, storage and recognition on line are provided by IP-CAM. Image transmission remains the same quality on both ends of server site and remote site. Single image source can be transmitted to multi-ports saving lots of cabling overhead.

1.1 INTRODUCTION

Dual Compression technology JPEG & MPEG4, remote site operator can access to the server site via IE browser to secure personal safeguard and property. IP-CAM works with existing digital network transmission system.

1.2 FEATURE

- *Built-in Infra-Red Illuminator,0Lux(When IR on)
- *Image & Audio transmission via Network
- *Dynamic IP & static IP support
- *Dual compression technology JPEG & MPEG-4
- *Compatible with BT.656
- *Built in motion detection & recording functions
- *IE browser remote monitoring & setup support
- *Firmware upgrade via IE browser on line

1.3 Specification

Image Input Format	Digital BT.656 Format, 27MHz
Lens	Board Lens
Image Format	MPEG4 / JPEG
Resolution/Frame Rate	VGA : 640 × 480 / 30
	QVGA : 320 × 240 / 30
Network Protocol	TCP/UDP/IP,DHCP,SMTP,HTTP
	NTP, DDNS, FTP, TFTP, ARP, nPn, PPPoE, RTSP
Compression Format	MPEG-4 video stream with 1way PCM audio
Record Format	MPEG-4 video stream with 1way PCM audio
Motion Detection	Image Motion Detection
IE. Brower	Internet Explorer 5. or above





IPCAM Network Setup	Camera Setting : Brightness、Contrast、Sharpness、Mirror
	Network Setting: IP Configure、PPPoE、DDNS
	Image Setting : Resolution、Frame Rate、Compression Rate、
	P/I Rate、CMOS Frequency Firmware Update Online
INPUT	DC12V JACK for power、RJ-45 Network Port
Infra-Red Distance	40M
LUX	0 LUX -(IR ON) ON
Wavelength	850 nm
Operation Temperature	- 5° C ~ +60°C
Size(W × H × L)	80(W)x84.6(H)x178mm(L)
Weight	About 600g

1.4 ACCESSORY:

1. IP-CAM
2. Installation Guide CD

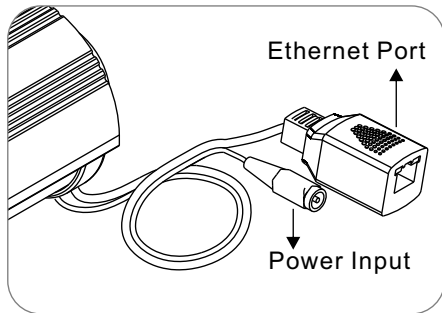
1.5 SYSTEM REQUIREMENT

Pentium4 or above
Windows 2000/XP/VISTA OS
Protocol comply to 802.11 or ADSL network
Microsoft Internet Explorer 5. or above

2.INSTALLATION

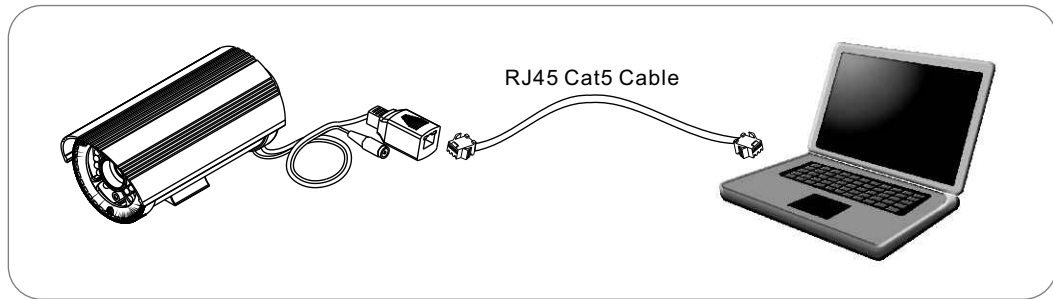
2.1 CABLING

1. Power input(DC12V DC JACK)
DC12V Input for IP Camera, Please make sure that the power input is DC12V before plugging the power to IP CAM. Un-normal Power input may cause the camera damaged.
- 2.Plug in Ethernet Cable
Plug the cable in the Ethernet port with "LAN" mark for Ethernet connection.



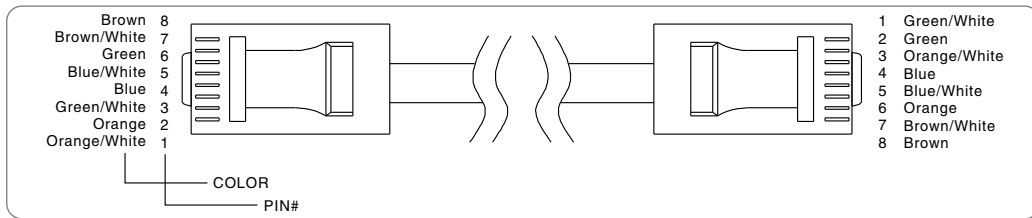
2.2 ETHERNET FRAMEWORK & CONNECTION

PC TO IP-CAM CONNECTION



1. Use a cross-over cable to connect IP-CAM and PC.

Definition of cross-over cable:



2. IP-CAM default setup as follows:

Network Status	
Enternet MAC Address	00-16-55-00-00-3F
LAN Address	192.168.1.126
LAN Netmask Address	255.255.255.0
LAN Getway Address	192.168.1.1

3. PC IP address setting manually:

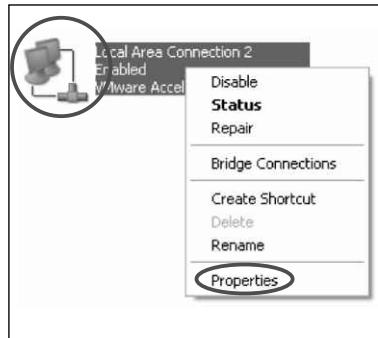
Set PC & LAN Card in the same network (intranet).

In condition of Windows-2000/XP OS:

- a. Select "My Network Places" by Clicking mouse on the right. Click "Properties" accordingly.



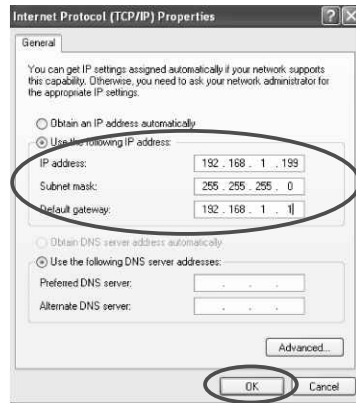
- b. Select "Local Area Connection" by clicking mouse on the right. Click "Properties" accordingly.



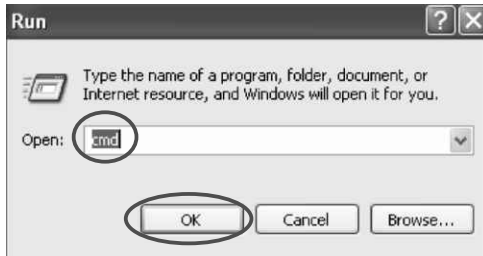
c. Select "TCP/IP" and click "Properties."



d. Select "Use the following IP address" to input IP address, Subnet mask and Default gateway. Click "OK" accordingly.



4. Follow the following procedure to make sure IP address correct.
- Click "Start" "Run" and input "cmd" Click "OK".



- Enter DOS and input "ipconfig". Click "enter" to inspect IP address, Subnet mask and Default gateway.

```
C:\WINDOWS\System32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\noo>ipconfig

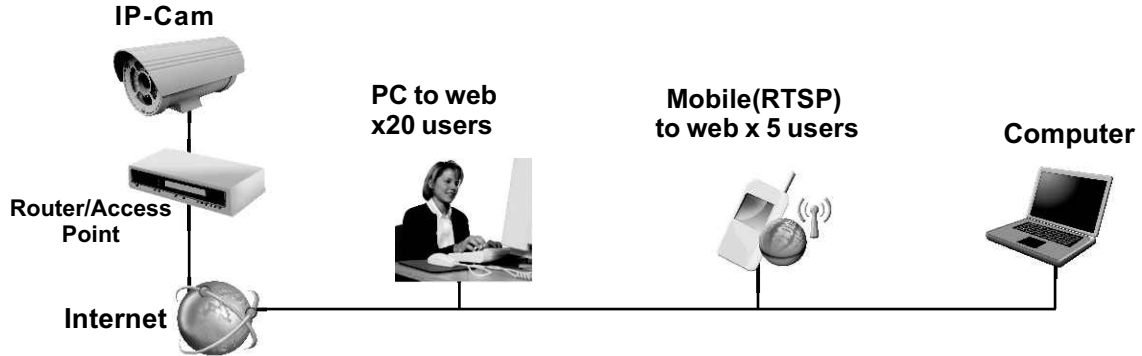
Windows IP Configuration

Ethernet adapter Local Area Connection 2:

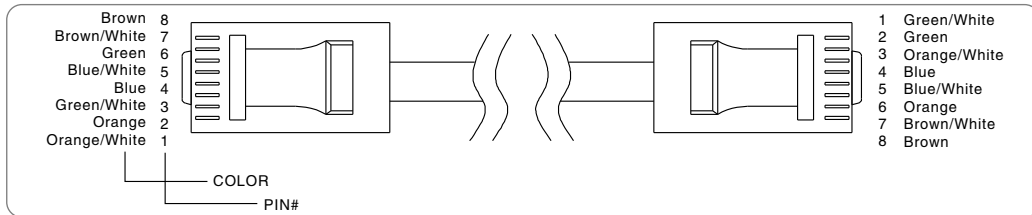
    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 192.168.1.199
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

C:\Documents and Settings\noo>_
```

★ INTRANET CONNECTION



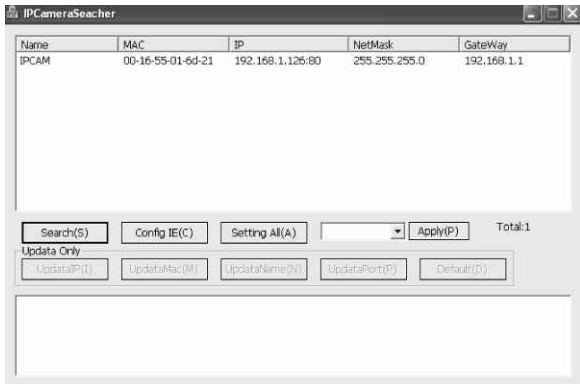
1. Cat 5 cable must be used in condition of connection via router, DSL modem and hub.



2. Please make sure PC and IP CAMERA are in the same domain.
3. IP-CAM detects DHCP when system starts working. IP-CAM Enables DHCP protocol to accept IP address from NAT when NAT router detected. Default IP address becomes 192.168.1.126 when NAT router not detected. Suppose there is an IP address 192.168.1.126 on internet. This device must be turned off prior to IP-CAM renew the IP setup.

3. QUICK SETUP

3.1 IP SETUP for IPCAM



3.1.1 Run IPCameraSearcher

Run IPCameraSearcher.exe, the setup window will appear on your computer

3.1.2 IPCameraSearcher Instruction

1. Search(S): Search all the IPCAM in the network.
Click one of the IPCAM address to login.
2. Config IE(C): IE Security Setup.
* Inappropriate setting might cause the browsing in accessible.
3. Apply(A): Search all IPCAM address automatically.
4. After setting an IP address, the following IP addresses will each automatically add up by one accordingly.
5. Update IP(I): Set the IP address of the indicated IPCAM, then press "OK" to reboot the IPCAM.

UpdateIP

	Old	New
IP	192.168.1.126	192.168.1.126
Netmask	255.255.255.0	255.255.255.0
Gateway	192.168.1.1	192.168.1.1
User Name	admin	
Password		

OK Cancel

6. Update Name(N): Change user name of the indicated IPCAM, then press “OK” to reboot the IPCAM.

UpdateName

IP Address: 192.168.1.126

Old Name: IPCAM

New Name: IPCAM

User Name: admin

Password:

OK Cancel

7. Update Port(P): Set the port of the indicated IPCAM and press “OK” to reboot the IPCAM.



The 'Update Http Port' dialog box contains the following fields and buttons:

- IP Address: 192 , 168 , 1 , 126
- Old Port: 80
- New Port: (empty)
- User Name: admin
- Password: (empty)
- Buttons: OK, Cancel

8.Default(D): Restore the default value of the indicated IPCAM, then press “OK” to reboot the IPCAM.

3.2 LOGIN IPCAM ON IE

To Login:

1. In IPCameraSearcher, click the IP address of the indicated IPCAM.
2. In IE, type the IP address of the indicated IP address.



The 'Connect to 192.168.1.126' dialog box contains the following fields and buttons:

- IpCAM manager:
- User name: admin (dropdown menu)
- Password: (empty)
- ☐ Remember my password
- Buttons: OK, Cancel

★USERNAME: admin

★PASSWORD: ____ (N/A)

3.3 INSTRUCTION & LIVE VIEW of IPCAM

Images pop out upon system login.



1. PLAY/STOP : Play/Stop Picture.
2. REC : Record the file in AV format. (Refer to 4.1.2 Video & Audio Settings to customize the file saving path.)
3. SNAPSHOT : Snapshot the picture on screen in a JPG file. (Refer to 4.1.2 Video & Audio Settings to customize a path to save JPG file.)
If the path is ending by a "\", it is a directory path.
If the path is ending without a "\", the path will link to a prefixed file name.
4. SETUP : Set system value. For further value setup, please refer to System Setup.
5. The Language displayed is assigned by the system(IP address.)
6. CMOS Control
 - *MIR : Images reversal from left to right.
 - *Brightness : Adjust the brightness.
 - *Contrast: Tuning up and down the contrast.
 - *Sharpness: Adjust the clearness of images.
7. By clicking the picture, the picture size can be adjusted by the size of browsing window.

4. OPERATION

4.1 SYSTEM SETUP

4.1.1 STATUS

Basic Configuration
- STATUS
- VIDEO&AUDIO
- NETWORKING
- PPPoE
- DDNS
- DATE & TIME
Advance Configuration
RETURN

Status

System Information

Firmware Current Version 1.00.00.M (May 26 2009 11:50:54)

Network Status

Ethernet MAC Address 00-16-55-01-9F-D2

LAN IP Address 192.168.1.4

LAN Netmask Address 255.255.255.0

LAN Gateway Address 192.168.1.1

DHCP State BOUND

Camera Information

Camera Type CMOS

OCX Information

OCX Current Version 1.18.4.48

OCX Path C:\Program Files\MultiWindow\IMMP4Control.OCX

4.1.1.1 SYSTEM INFORMATION

- Firmware Current Version : By updating the firmware, more functions will be attached to the program.

4.1.1.2 NETWORK STATUS

- Ethernet MAC Address: MAC address of the IPCAM.
- LAN IP Address: IP address of the IPCAM.
- LAN Netmask Address: LAN net-mask address of the IPCAM.
- LAN Gateway Address: LAN gateway address of the IPCAM.
- DHCP State: Dynamic Host Configuration Protocol.

When using static IP, the status will show "Disable" the opposite will be "Enabled."

4.1.1.3 CAMERA INFORMATION

- Camera Type : Mode of Camera
- Total Live-View Users: Total number of live-view users. Maximum user on-line is up to 20.

4.1.1.4 OCX INFORMATION

- OCX Current Version : Current OCX version
- OCX Path : The path accesses to OCX

4.1.2 VIDEO & AUDIO SETTINGS

	Video Settings
	Video Stream
	CBR Disable ▾
	Resolution: VGA ▾
	Limit Frame Rate to: 15 ▾
	Snap Shot
	Path & File Name: c:\image\image
	Time Label Yes ☐ No ☒
	OSD
	OSD Text:
	OSD FontSize 10 ▾
	OSD Enabled Yes ☐ No ☒
	REC
	REC File c:\rec\rec
	REC Duration Time 0 seconds (0 - infinity)
	REC Time Label Yes ☐ No ☒
	Save Reset

Basic Configuration

- STATUS

- VIDEO&AUDIO

- NETWORKING

- PPPoE

- DDNS

- DATE & TIME

Advance Configuration

RETURN

4.1.2.1 VIDEO SETTINGS

- CBR : Set the Constant Bit Rate of Video
- Resolution : Picture resolution. QVGA and VGA provided.
- Limit Frame Rate to: Frame rate transmitting per second is defined by the internet connection speed.

Higher value brings smoother picture performance.

4.1.2.2 SNAP SHOT

- Path & File Namer: Set the path to save still picture taken by snapshot.
- If the path is ending by a “\”, it is a directory path.
- If the path is ending without a “\”, the path will link to a prefixed file name.
- Time Label : Enable or disable Time Label function.

4.1.2.3 OSD

- OSD Text: Text showing on top of the picture.
Maximum byte: 32.

- OSD Font size: Size of the font.
- OSD Enabled: Enable or disable OSD.

4.1.2.4 REC

- REC File: Set the path to save recorded picture.
- If the path is ending by a “\”, it is a directory path.
- If the path is ending without a “\” , the path will link to a prefixed file name .
- REC Duration Time : Time duration of recording.
- REC Time Label: Enable or disable REC Time Label.
- REC File Time Label: Enable or disable REC File Time Label .

4.1.3 NetWorking

Networking	
<u>IP Address Configuration</u>	
☐ Obtain IP Address via DHCP	View
☒ Use the following IP Address:	
IP address:	192.168.1.126
Subnet Mask:	255.255.255.0
Gateway:	192.168.1.1
<u>DNS Configuration</u>	
☐ Obtain DNS Server Address via DHCP	View
☒ Use the following DNS Server Address:	
Primary DNS Server:	168.95.1.1
Secondary DNS Server:	
<u>HTTP</u>	
HTTP Port:	80
Save	Reset

Basic Configuration

- STATUS

- VIDEO

- NETWORKING

- PPPoE

- DDNS

- DATE & TIME

Advance Configuration

RETURN

4.1.3.1 IP Address Configuration

- There are two ways to set the IP address :
- Obtain IP address via DHCP: Obtain IP address via Dynamic Host Configuration Protocol.
- Use the following IP Address: Set the static IP address manually.

4.1.3.2 DNS configuration

- Two DNS IP addresses are allowed within this model.
- Primary DNS Server: Primary DNS IP address.
- Secondary DNS Server: Secondary DNS IP address.

4.1.3.3 HTTP

- Prefixed port: 80
- If the port is to be changed, the IP address should be changed accordingly.
Ex: Original IP address is 192.168.1.126, prefixed port is 80. If the port is changed to 1000, the IP address should become: 192.168.1.126:1000.

4.1.4 PPPoE

	PPPoE
	Configuration
Basic Configuration	Enable PPPoE: Yes ☒ No ☐
- STATUS	User Name:
- VIDEO	Password:
- NETWORKING	MTU (128~1492): 1492
- PPPoE	Email Notification when IP is changed: Yes ☐ No ☒
- DDNS	Save Reset
- DATE & TIME	
Advance Configuration	Status
	IP Address: 0.0.0.0
	Default Router: 0.0.0.0
	Primary DNS Server: 0.0.0.0
	Secondary DNS Server: 0.0.0.0
	Connection State: Disabled
	Refresh

RETURN

4.1.4.1 PPPoE CONFIGURATION

- Enable PPPoE : Enable or disable PPPoE.
- User Name : Insert the user name from by ISP provider.
- Password: Insert password from ISP provider.
- MTU (128~1492): Maximum Transmission Unit, the largest packet that can pass onwards in communication protocol, is calculated in bytes of the size. MTU is usually set in 1500 bytes for transmission.

If the MTU packets are too large, it will block up a slow interface for some time, increasing the lag on other packets.

Reducing the packet size will help the smoothness of transmission. Prefixed size is 1492.

- Email Notification when IP is changed: SMTP should be preset before using this function (Refer to 5.4 SMTP Settings.)

4.1.4.2 STATUS

- By clicking “Refresh,” the IP status from ISP provider will be displayed.

4.1.5 DDNS

Signing up at DynDNS, PeanutHull, or perfecteyes before setting DDNS is required.

Dynamic DNS Setting	
<u>Dynamic DNS</u>	
Choose Server	Disabled 
DNS Account	
User Name	
Password	
Manual_Update	
Status	Initializing DDNS progress!
Save Reset	

Basic Configuration

- STATUS

- VIDEO

- NETWORKING

- PPPoE

- DDNS

- DATE & TIME

Advance Configuration

RETURN

4.1.5.1 DYNAMIC DNS

- Choose Server: Choose the DDNS server that provided by DynDNS, PeanutHull, and perfecteyes.
- DNS Account: Account number provided by DDNS server, ex. test. dyndns.org.
- User Name: Account user name.
- Password: Account password.
- Manual_Update: Update manually the IP address of current IPCAM to indicated DDNS Server.
- Status: Insert the response from the DDNS server.
- Save: Save above mentioned setting.
- Reset: Reset all settings.

4.1.6 DATE & TIME

Date & Time Settings	
- Basic Configuration - STATUS - VIDEO - NETWORKING - PPPoE - DDNS - DATE & TIME - Advance Configuration RETURN	Current Server Time
	Date: 1970-01-01 Time: 08:58:27
	Time Zone
	GMT+08 (Beijing, Hong Kong, Shanghai, Taipei, Taiwan) ▼
	Time Mode
	NTP server 1: pool.ntp.org
	NTP server 2: pool.ntp.org
	Update Server Time
	Synchronize with computer time Update
	Date: 2008-08-11 Time: 16:47:16
Set manually Update	
Date: 1970-01-01 Time: 08:58:26	
Save Reset	

4.1.6.1 CURRENT SERVER TIME

- Show current time at the IPCAM.

4.1.6.2 Time Zone

- Choose the time zone where the IPCAM is at.

4.1.6.3 TIME MODE

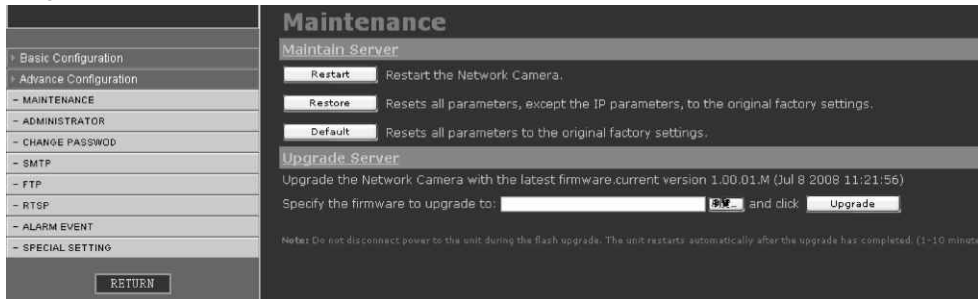
- When network is functioning, the time can be set according to the server.

4.1.6.4 UP DATE SERVER TIME

- Time update can be done in this section either automatically for the IPCAM current time or manually for the new time.

4.2 ADVANCE CONFIGURATION

4.2.1 MAINTENANCE



4.2.1.1 MAINTAIN SERVER

- Restart : Restart the IPCAM.
- Restore: Restore all settings except IP address.
- Default: Restore all settings.

4.2.1.2 UPGRADE SERVER

- Click “browse” and choose .IMG FIRMWARE FILE, Click “upgrade” to upgrade the firmware. Once the process is completed, click “Restore” to confirm the upgrading.

4.2.2 ADMINISTRATOR

In this section, the user can add, delete, enable/disable anonymous user, and set the camera (video server) name.

The screenshot displays a web-based management interface. On the left is a sidebar menu with options: Basic Configuration, Advance Configuration, MAINTENANCE, ADMINISTRATOR, CHANGE PASSWORD, SMTP, FTP, RTSP, ALARM EVENT, and SPECIAL SETTING. The main content area is titled 'Management' and contains three sections:

- User List:** A table with columns 'User Name' and 'User Group'. It lists one user: 'admin' with the group 'Administrator'. Below the table are 'Add...' and 'Remove' buttons.
- Anonymous User Settings:** Includes radio buttons for 'Yes' (selected) and 'No', followed by the text 'Enable anonymous viewer login (no user name or password required)'. Below this is a text input field for 'Maximum number of simultaneous viewers limited to:' with the value '20' and a note '(Maximum value:15)'.
- Camera Name Setting:** A text input field labeled 'Camera Name:' containing the text 'IPCAM'. Below the field are 'Save' and 'Reset' buttons.

4.2.2.1 USER LIST

- Add or remove users.
- Add: Click to add new users.
- Remove: Select a user name then click “remove” to remove the user.

4.2.2.2 ANONYMOUS USER SETTINGS

- Yes: Users can view the picture without user name and password.
- Maximum number of simultaneous viewers limited to: Maximum simultaneous viewer is 1-20.

4.2.2.3 CAMERA NAME SETTING

- Camera Name can be set with a name that is easier to remember.
- It will appear on IP address list when IPCamera Searcher is scanning.

4.2.3 Management

4.2.3.1 Change Password

The screenshot displays a web-based management interface. On the left is a vertical navigation menu with the following items: 'Basic Configuration', 'Advance Configuration', 'MAINTENANCE', 'ADMINISTRATOR', 'CHANGE PASSWORD', 'SMTP', 'FTP', 'RTSP', 'ALARM EVENT', and 'SPECIAL SETTING'. At the bottom of this menu is a 'RETURN' button. The main content area has a dark header with the word 'Management' in large white text. Below this, a sub-header 'Change Password' is highlighted in a lighter gray bar. The form contains three labeled input fields: 'User Name:' with the text 'admin' entered, 'Password:', and 'Confirm Password:'. Below these fields are two buttons: 'Save' and 'Reset'.

- User Name: Insert user name.
- Password: Insert new password.
- Confirm Password: Insert again the password to confirm.

4.2.4 SMTP (E-Mail)

4.2.4.1 SMTP Server Settings

- Basic Configuration - Advance Configuration - MAINTENANCE - ADMINISTRATOR - CHANGE PASSWORD - SMTP - FTP - RTSP - ALARM EVENT - SPECIAL SETTING RETURN	SMTP (E-Mail) SMTP Server1 Settings Mail Server¹: From E-Mail address¹: To E-Mail address¹: Authentication¹: Yes ☐ No ☒ User Name¹: Password¹: Send a test e-mail with SMTP server1 Test ¹ Mandatory fields. If these are not set, no mail can be sent. ² If a host name is used, a valid DNS server must be specified in the TCP/IP network settings. Save Reset
---	---

- Mail Server : Insert IP address of SMTP server. For example, the mail box is GMAIL, then insert the mail server as smtp.gamil.com
- From E-mail Address : Set the E-mail address of sender. Please kindly note the sender's mail box should be the same with the mail server's. For example, if the mail server is GMAIL, then the sender's mail box should be the GMAIL mail box.
- To E-mail Address: Set the e-mail address of receiver. It will send email to this box when a trigger event occurs.
- Authentication: If your mail box needs the authentication, please select YES.
- User Name: User name of E-mail sender
- Password: Password of the email address.
- Send a test e-mail with SMTP server: Test if the E-mail settings are correct. Press "test," you will receive the mail which subject is "This is a test message from IP address←the address of the mail server."

4.2.5 FTP

FTP

FTP Settings

FTP Server

User Name

Password

FTP Command Port 21

Path & File Name ./

Save Reset

RETURN

4.2.5.1 FTP SETTINGS

- FTP Server: Insert address of FTP Server.
- User Name: Insert user name.
- Password: Insert password.
- FTP Command Port: insert FTP command port .
- Path & File Name: Insert the path to save file name.
- If the path is ending by a "\", it is a directory path.
- If the path is ending without a "\", the path will link to a prefixed file name

4.2.6 ALARM EVENT

ALARM EVENT
Embedded Motion Detection Setting

Set Motion Detect Region: 0

Sensitivity:

Motion Detection Enabled: Yes ☒ No ☐

Embedded Motion Detection Event

Send to FTP with *.AV:

4.2.6.1 EMBEDDED MOTION DETECTION SETTING

- Begin: Total 16 detection regions, click “begin” to edit the setting.
- Edit Region: Under edit mode, define detection region.
- Remove Region: Under edit mode, remove defined detection region(s).
- End Edit: Finish editing.
- Sensitivity: Set sensitivity of motion detection.
- Motion Detection Enabled: Enable or disable motion detection.

4.2.6.2 Alarm Event

- No event: the system will not be triggered.
- Upload the recorded files to an FTP Server (FTP should be set firstly.)

4.2.7 SPECIAL SETTING

Special Setting

Video Advance Setting

Compression: 5

P/I Ratio(P frame ; I frame): 14

CMOS Frequency: 60Hz

Slow shutter: OFF

RGB

UseRGB: Yes ☒ No ☐

Language Select

☒ English ☐ Simplified Chinese ☐ Traditional Chinese

Save Reset

4.2.7.1 VIDEO ADVANCE SETTING

- Compression: Select video compression.
- P/I Ratio(P Frame ; I Frame): Ratio of P frame and I frame.
- Higher number results in smaller transmission size and duller picture.
- CMOS Frequency Setting: 60HZ/NTSC , 50HZ/PAL
Slow Shutter: Adjust to OFF、1/2 Frame、1/4 Frame.
Adjust the option, enhance light into camera when at night or low light. But will lower the frame rate

4.2.7.2 RGB

- Some old versions of display card do not support YUV display.
RGB display is optional under this circumstance.
CPU usage will be increased slightly while RGB display is operating.
- Use RGB: Enable or disable RGB display.

5. USER GUIDE of AVPlayBack

This software AVPlayBack can play the recorded files with an *.av extension and also can convert an *.av file to an *.avi file

5.1 THE MAIN FUNCTION OF AVPlayBack

- Play the recorded file with an *.av extension.
- Supports the file conversion from *.av to *.avi.

5.2 SYSTEM REQUIREMENTS

Operating System	Windows 2000(SP4) 、 Windows XP or later
DirectX	DirectX 7.0 version or above
CPU	More than 1.5 Ghz clock
Memory	512MB above

5.3 SYSTEM INSTALLATION

Perform the intallation with the enclosed AVPlayBack Disc and follow the on-screen instructions to complete the installation process.

5.4 USER INTERFACE

Play Frame



Open File

File information

Play Control

Snapshot

Volume Control



OpenFile : Open the *.av recorded file.

Play Control



File information : Location of the File Path and Total Time for the video length

Information

File Path: C:\IP902\OLD-2008-02-29-16-31-33.av
Total Time: 00:00:05

Play Control : Fast Reverse · Reverse Play ·
Pause · Play · Fast Forward
Fast Reverse/Forward: 2X · 4X · 8X · 16X · 32X

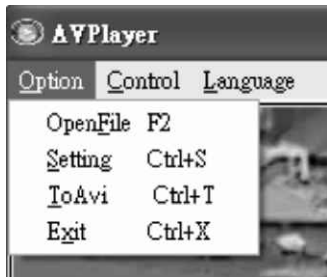


Snapshot : one click can capture one JPG image.

Audio

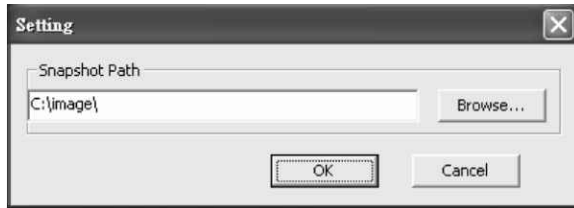


Volume Control: Adjust or mute the volume.



- OpenFile : Open the *.av recorded file.

- Setting : Specify the path to save the snapshot image.
- Snapshot Path : Specify the path to save the snapshot image.





- Fast Reverse : 2X、 4X、 8X、 16X、 32X
- Reverse Play
- Play
- Pause
- Fast Forward : 2X、 4X、 8X、 16X、 32X
- Snapshot : Click the "Snapshot" to capture JPG images and one click for one image.



Language : You can choose the language