

IP Kamera 9060(A)

User Guide



IP Kamera 9060(A)

Manual version: xx.xx

Date: 2005.6

Caution:

Any changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for FCC and CE. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in commercial environment.

Important Notice:

1. IP Kamera 9060(A) is for indoor use. Note that the CMOS lens can be damaged permanently if the camera lens is exposed directly to sunlight. (We will not hold any responsibility if CMOS lens is damaged by sunlight)
2. IP Kamera 9060(A) is not water proof. Therefore we will not hold any damage responsibility if the camera is used under raining condition.
3. Be sure to use the DC adapter that is provided by your dealer. We will not hold any responsibly if wrong DC adapter is in use.
4. Be caution in handling IP Kamera 9060(A) for physical shocks may occur serious damage.
5. If IP Kamera 9060(A) does not operate properly, please contact your local dealer for after sale service. In all cases, you are prohibited to disassemble the product. If so, We does not hold any responsibility for mal-function nor service warranty.

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1. Product Overview

Use latest high sensitivity Sensor, 9060A Plus only need little light for clear video which can be use for lower light source like monitor the road at night ..

IP Kamera 9060(A) is an IP camera that has a embed web server. This camera can put up live image on-line and make immediately remote accessible through standard web browsers. By simply plugging 9060(A) into Internet IP Kamera 9060(A), Users can observe from any where in the world.

FEATURES

1. Embedded Web Server -No needs PC for camera.
2. 10/100Mbps Fast Ethernet Network Access (RJ45 Jack).
3. **High sensitivity Sensor for low illumination .**
4. Resolution -True 640x480, 320x240, 160x120,
5. Support Network Protocol - HTTP, TCP/IP, DDNS, DHCP, and PPPoE.
6. Popular Browser by Internet – Internet Explore
7. Quality & Color Setup : Brightness, Contrast, Hue, Saturation and Sharpness
8. Video Capture - Save as Pictures (.JPG) / Movie (. AVI) and Snapshot as pictures.
9. Motion detection :
Detect appointed area – support detect 2 position.
E-Mail the Detected Images to preset e-Mail address.
Send the Detected Images to preset FTP server.
10. Wide Sensitivity Level setting (99 degree) .
11. Reset all setting to default.

2. Physical Description

BOX CONTENT

IP Kamera package content :

- 1 x IP Kamera 9060(A)



1 x RJ 45 internet line

- 1 x Transformer, 110~240.
- 1 x CD
- 1 x Quick Installation Guide

System Requirement

- Intel Pentium and above or relevant AMD CPU
- Any system can use IE (Internet Explore) like Windows 98 / SE / 2000 / ME / XP,
- 64MB memory or above.
- VGA Card : support Hi - Colors and above and direct draw
- Suggest Internet Hub
- Ethernet network
- Internet : one set of IP provided by your ISP

3. Interface Description

Front Panel :

1. Power indicator (LED)
2. Lens (CMOS)



Rear Panel :

1. Reset ON / OFF
(Left - OFF & Right -ON)
2. DC Power - 5V , 110~240
3. Microphone In
4. RJ 45(Cat5 Network)



Notice

- * Please use Microphone fro Audio In
- * Reset ON/OFFF : please turn to ON for 5 seconds and then turn back to OFF to finish reset :
OFF→ ON (Wait for 5 Second) → OFF.

4. Installation

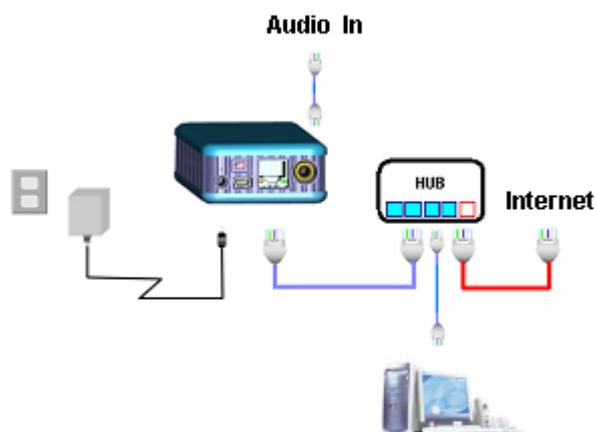
Before installation:

Before using IP Kamera 9000A, check as follows.

- Confirm your package content
- A computer connects with LAN
- Electricity 110 ~ 240 V

Hardware installation

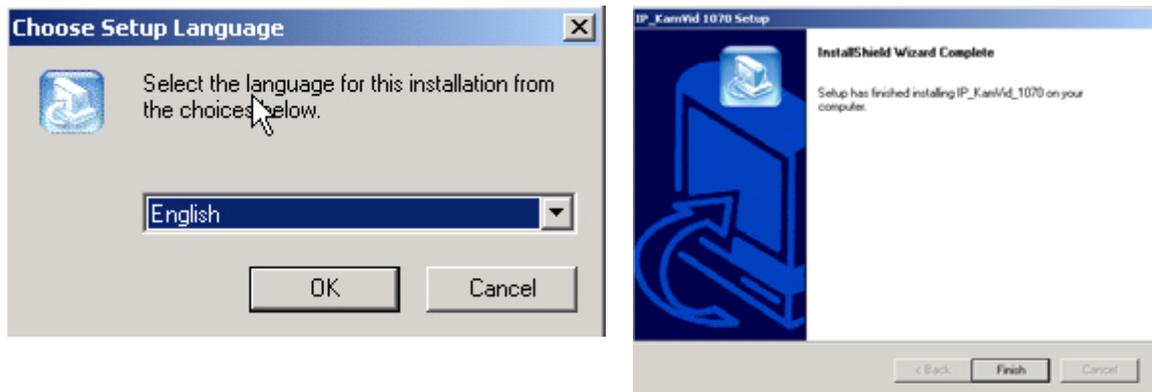
1. Plug in RJ 45 line to connect 9060(A) with HUB
2. Connect the HUB into your modem.
3. Connect 9060(A) power.
4. Turn you computer on



Software installation

Please follow the steps below to install the software.

1. Click IPEDIT in driver of CD and safe in the desktop.
2. Install IP KAMVID 107 in the driver part of CD; choose setup language and the install shield Wizard will help finish the program.



5. Initialization

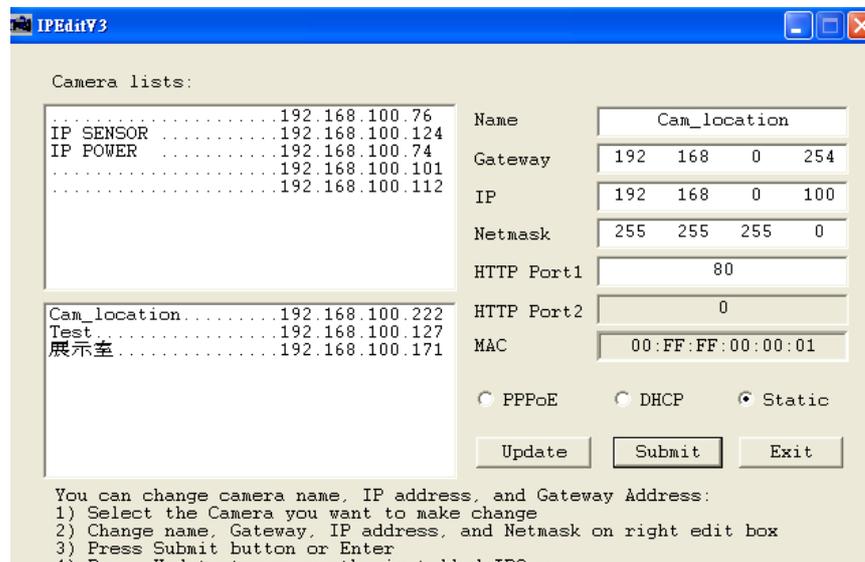
Set up on Ethernet

Step1:Click “ipEdit.exe” .

Note: Please affirm the power of 9060(A) had been turn on and the Ethernet connection of RJ45 is correct.



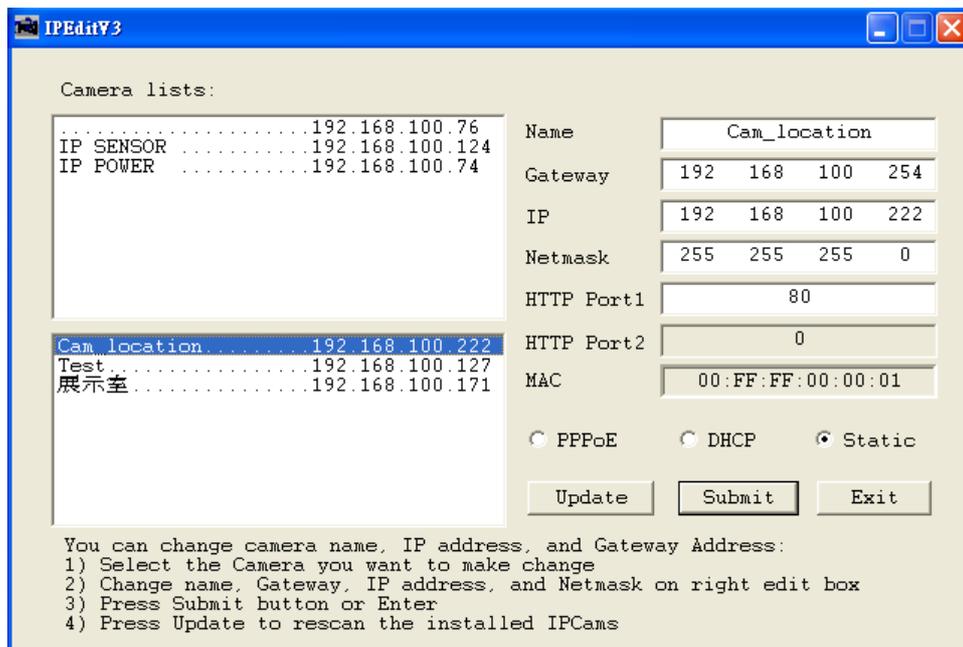
Step 2: The program will searching all 9060(A) in the same local Ethernet , and display the result in the window.



ll be displayed below.

The IP address of IP camera 9060 should in the same subnet with your PC , subnet mask, default gateway mast same as 9060 also. For example, the IP address of 9060 is 192.168.10.9, so your computer needs to add an IP address looks like 192.168.10.XXX to get connection to 9060.

User can change its name (please use numbers or letter) or IP (please set in the same subnet as your PC) in the text windows. Then click **Submit** after setting finish. After about 20 seconds, the new setting will work. Click **Update**, the new setting of equipment will display in text window.



Note: * The default static dynamic IP address of IP 9060(A) is 192.168.0.100. If can not get in the webpage by IP 9060 static dynamic address, please set the segment of IP 9060(A) with your PC.

* You can get your PC network information – IP Address, Subnet Mask and Default Gateway by step: start → execute → key “cmd” in dialog → key “ipconfig” in MS-DOS mode

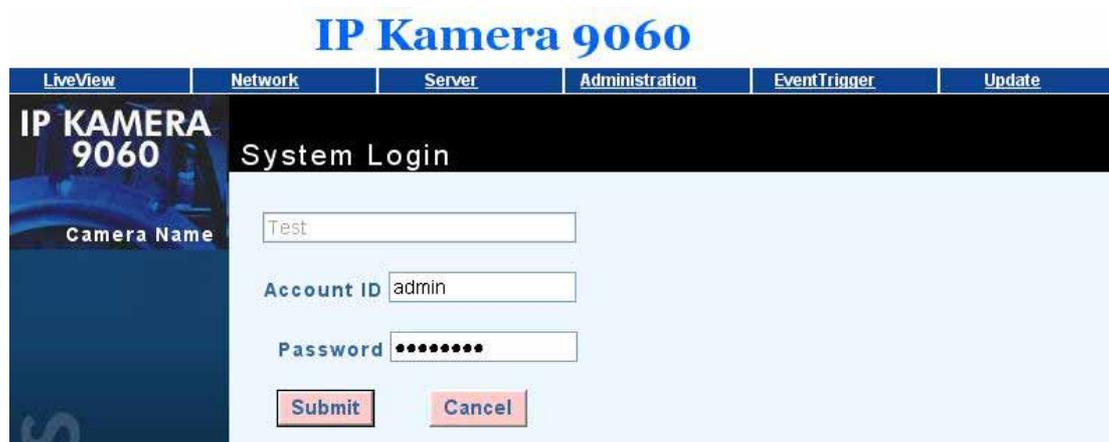


IP 9060(A) Default static dynamic IP Address is **192.168.0.100**. **the last digit of IP address (default is 100) can be any number between 1~254, but can not be same as your PC.**

If using in any PC, just use HUB and type the 192.168.0.100 in Browser or use "ipedit.exe" then you can get in the webpage.

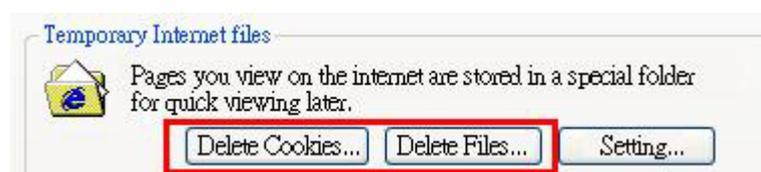
* Same **SEGMENT** : The first 3 number of IP address is same - XXX.XXX.XXX.abc. The part of XXX is same. Fro Example : IP address is **192.168.1.100** , then another IP address **192.168.1.123** is the IP in same segment .

Step 4: Double click the picture in the window of **IPedit** or type the IP address in the IE browser, you can open the web page of IP9060. If you can not open the web page of IP9060, be sure that you have set the same segment of your PC and IP 9060(A) installed IE 6.0 with SP1 or later version.

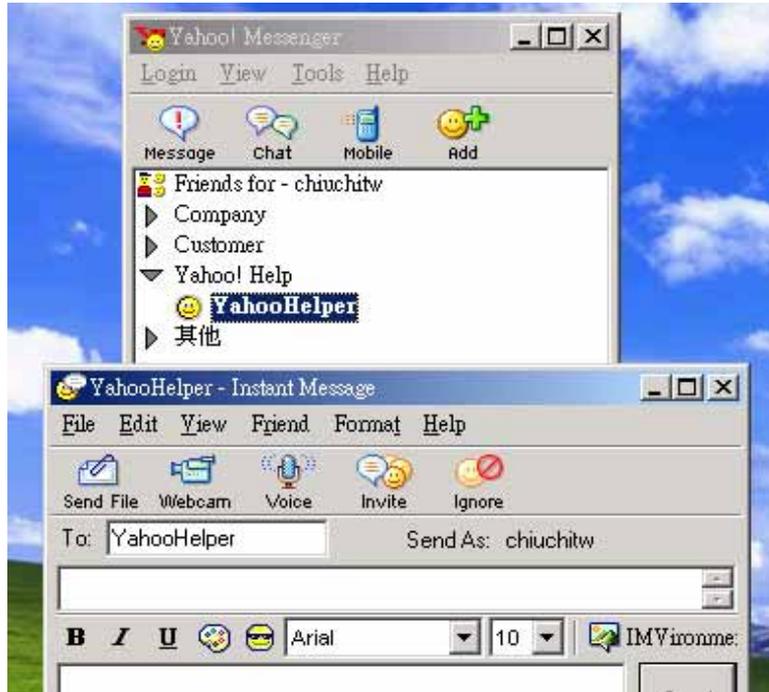


NOTE:

1. After 9060(A) had been installed on your PC, it will be registered in DirectX automatically. Therefore, it can be used as local camera by any software that supported DirectX , such as MSN, Amcap, Media encoder, Yahoo Messenger as long as you not change the directory path of 9060's driver.
2. For those software that only supported old VFM driver, such as Vidcap and netmeeting, please click **install VFM device**, then you can get the captured images from 9060(A) (you should be the administrator at the first install process)
3. For those not totally compatible with VFM, such as QQ and POPO, you should click **remove device** button first, then click **install VFM device**, then you can get the captured images from 9060(A).
4. **Note** : if stay for long time as in web page , you would be unable setting and see message "**Cookie time out** ", please go to IE to change setting: "Tools" → "Internet operations" , please click "Delete Cookies" and "Delete files" in "Temporary Internet file" .



Work with Yahoo /MSN Messenger

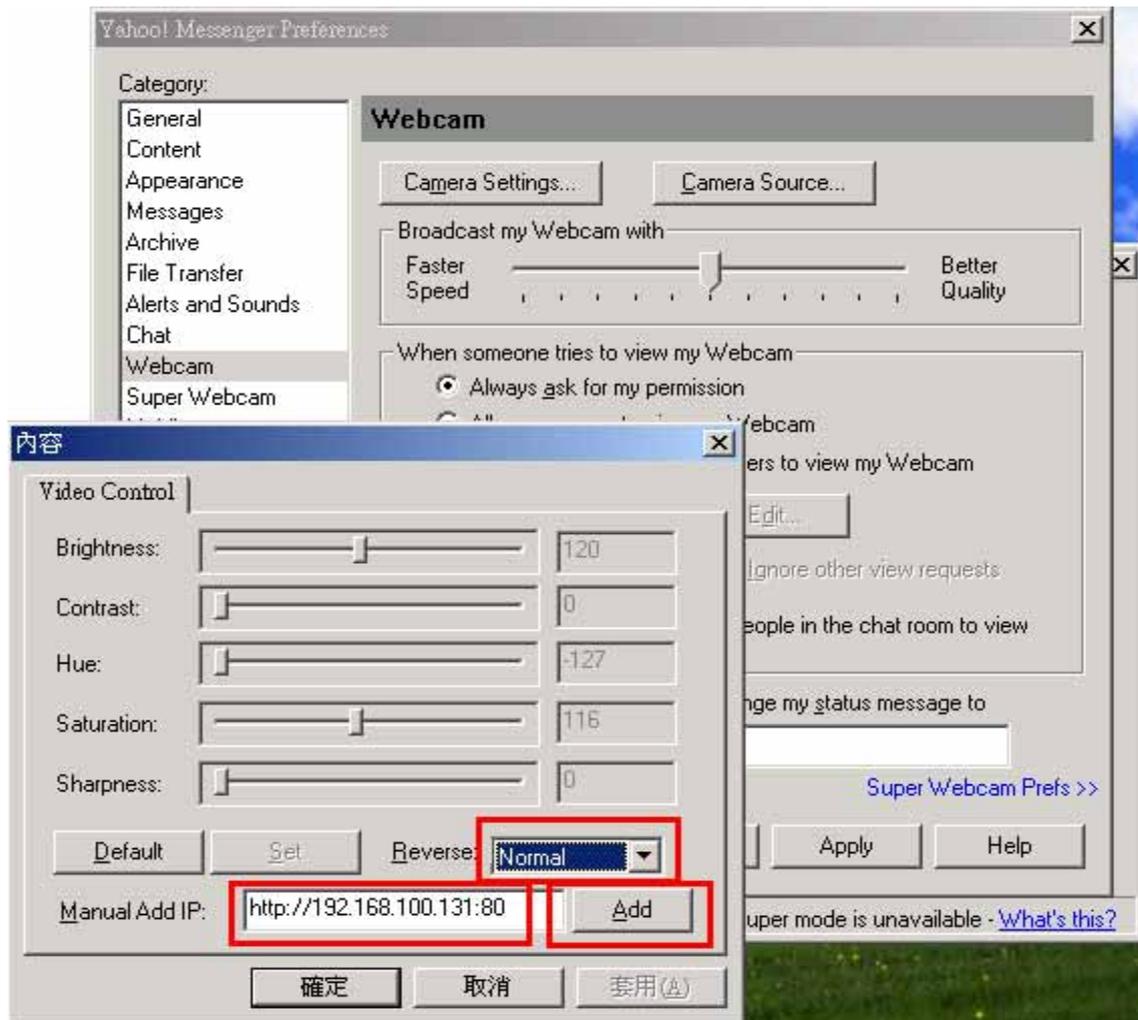


Click on the friend you would like to

2. Choose T1/E1 when system ask you about the Internet connecting speed.



3. Then My WEBCAM will pop up. Please go to "file " → "Preference" → "Camera Setting" to select your prefer video parameter.



4. You can type in appointed IP address (No matter Real IP or Dynamic IP) and confirm by click “Add” and choose if reverse the out streaming video.

We support: A. Normal B. Flip Vertical C. Flip Horizontal D. Rotate 180

And you can also adjust the color, Brightness, contrast, Hue, Saturation, Sharpness and ETC.

Note

1 : for safety issue , as transfer video by Yahoo /MSN, only Administrator can do the video streaming. You have to type the username and password.

2 : Work with Yahoo/ MSN , the streaming speed is depend on Yahoo .MSN server.

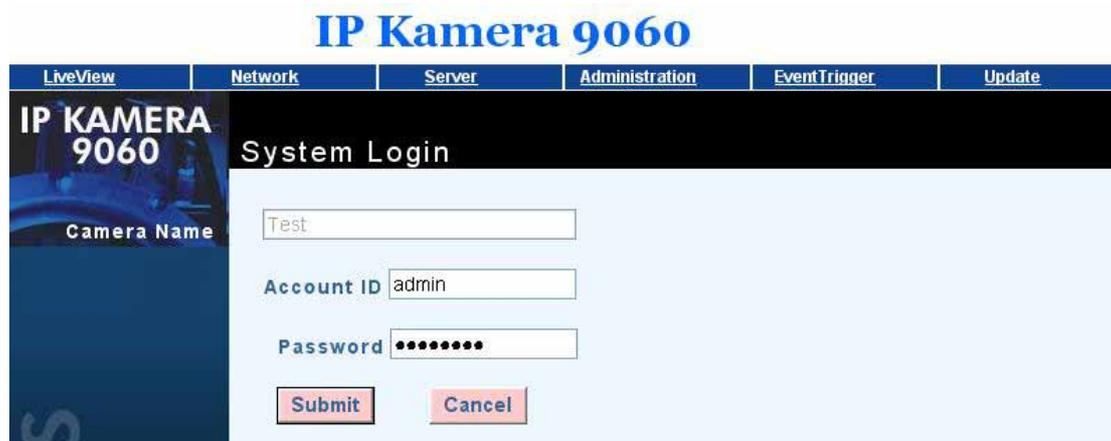
6. WEBPAGE FUNCTIONS

When your computer configured IP address , you can finish setting through IE browser. Click the picture in the window of **IPedit** directly, you can open the web page of IP9060.

Login setting

General user: Default general ID is **guest**, Password is **password**.

Administrator: Default administrator ID is **admin** , Password is **12345678**.



LiveView setting

Most of upside function key (such as Administration Update and ETC) can only be used by Administrator.

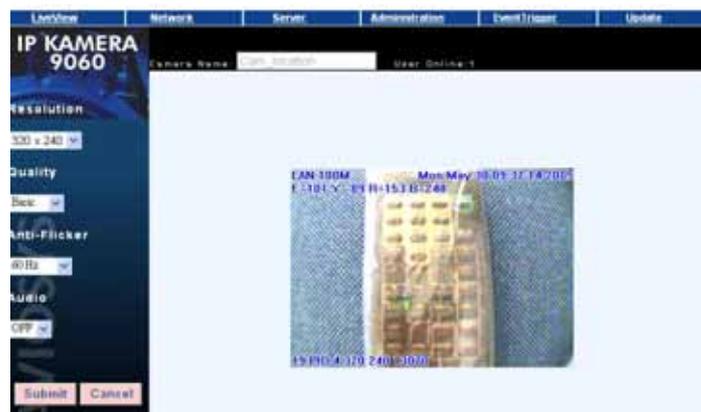
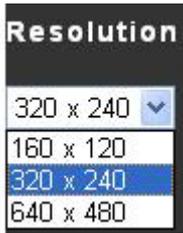


Image Setting

Setting windows is on the left, it's used to set up image parameter.

1. Resolution

User can choose right resolution on the basis of your requirement and net condition.



2. Picture Quality

The picture was compressed to JPEG, users can choose different quality on the basis of your net transfer capacity.



3. Anti-Flicker

You can get top-quality picture for we had set up the picture condition on the basis of different illumination environment. You can choose environment such as "Out Door"," indoor 50hz AC illumination" or " indoor 60hz illumination ".



Note : Please do select " Outdoor " when you monitor outdoor at day time or 9060(A) receive all the light and video will over bright.

4. Audio

The audio is closed in default mode, and users can turn it on.



Static image capture

Pressing **Ctrl** on keyboard, then **left click mouse** on the image windows, the image will have a flash during capture, Users can view the image on the directory C:\tmp\webcam .

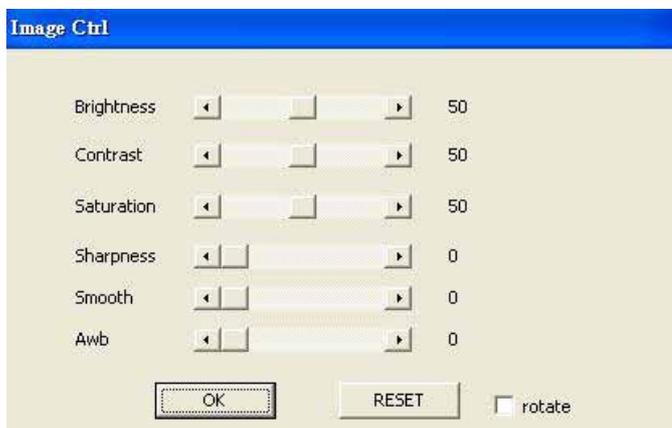
Advanced setting

Advanced menu will be display when right click mouse on the image windows, you can set up image, record, zoom, motion detect.



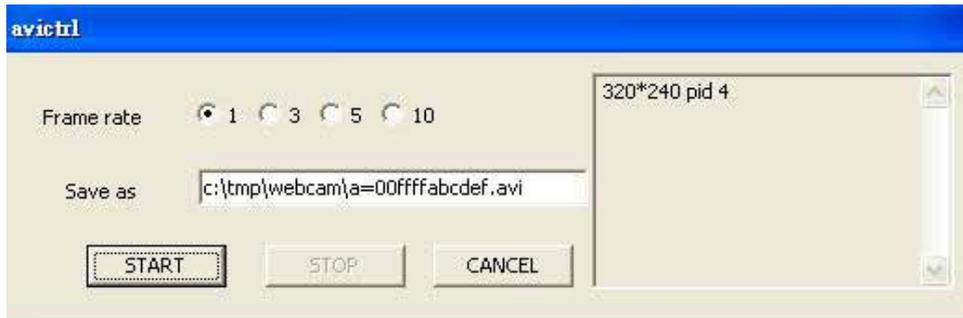
1. Image parameter setting

Right click mouse on the motion image, choose “image” can open corresponding windows. Users can adjust Brightness, Contrast, Saturation, Sharpness, Smooth and Awb(Auto White Balance). Click “rotate” will circumrotate the image. Click “reset” will back to default setting.



2. Record image

Right click mouse on the motion image, choose “record” can open corresponding windows. Users can adjust the setting parameter of AVI Frame Rate , file name and directory.



3. Zoom

Right click mouse on the motion image and choose “zoom”. Users use mouse to draw a frame round to select image, let go will be amplificatory to old image, when right click mouse again ,the image will revert.



4. Motion detect

Use this function need to enabled Event Trigger first.

Motion Detection can set up the environment parameter of event trigger.

1. Motion 1 is red frame : Trigger happened in this scope, it will show red words - MD1 Warning!!

2. Motion 2 is green frame :Trigger happened in this scope, it will show red words -MD2 Warning!!

Motion Detect Set: Can set up sensitivity(1~99),default is 15,the value is more low and the detection is more sensitive.

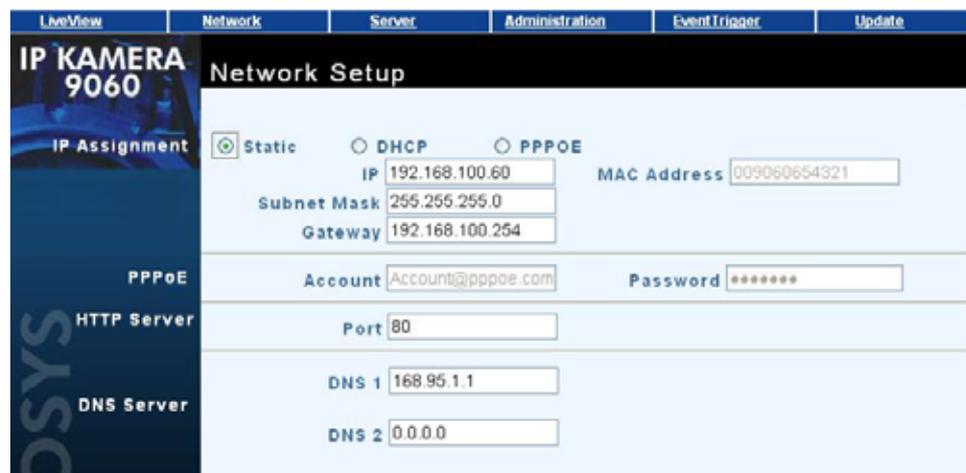
PS: Resolution is 640x480 can select anyplace as trigger scope of image.
Resolution is 320*240 can select anyplace as trigger scope of image.
Resolution is 160*120 select all image as trigger scope.



Network setting

This menu can set up or change the assignment of IP CAM network connections. There are three chooses: STATIC, DHCP, PPPOE.

- A. STATIC work for both real and dynamic IP address .
- B. IN DHCP modes, the IP address was appointed by DHCP Server;
- C. PPPOE is a connect way support by ISP company .



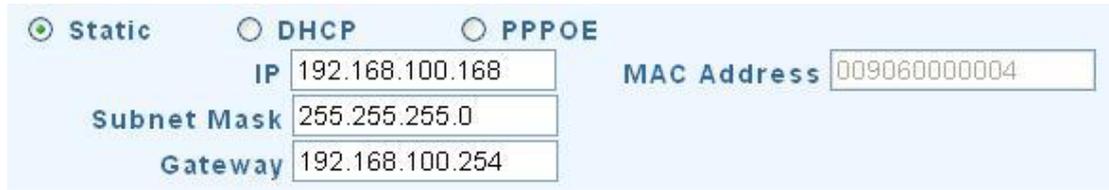
A .Set up STATIC mode, steps:

The IP address of IP camera 9060 should in the same subnet with your PC , subnet mask, default gateway mast same as 9060 also.

For example, the default IP address of 9060 is 192.168.0.100,.

- 1.Type the new IP address, Submask, Gateway in the relevant text windows.
- 2 .Press submit key .
3. Press reboot key, waiting for 20sec 9060 will change to new IP .

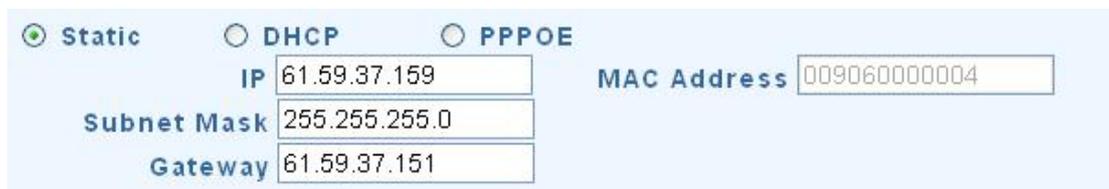
* Dynamic static IP address work in Ethernet:



<input checked="" type="radio"/> Static	<input type="radio"/> DHCP	<input type="radio"/> PPPOE	MAC Address	009060000004
	IP	192.168.100.168		
	Subnet Mask	255.255.255.0		
	Gateway	192.168.100.254		

Notice: The amend dynamic IP address have to be same segment with your PC . Please refer page 9 to get PC network information.

* Real static IP address work in Internet:



<input checked="" type="radio"/> Static	<input type="radio"/> DHCP	<input type="radio"/> PPPOE	MAC Address	009060000004
	IP	61.59.37.159		
	Subnet Mask	255.255.255.0		
	Gateway	61.59.37.151		

B. Set up DHCP mode, steps:

- 1.Click DHCP, then click “Submit”
- 2.Click “Reboot”, it’s need to wait for 15-20 seconds to enable again.
- 3.Use Search Tools ,click Update to find IP CAM.
4. When change finished, the IP Assignment of Search Tools will show DHCP.

C. Set up PPPOE mode, steps:

- 1.Click PPPOE.
- 2.Type User Name and Password , Click ”Submit”.
3. Click “Reboot”, it’s need to wait for 15-20 seconds to enable again.
4. Use Search Tools ,click Update to find IP CAM.
5. When change successful, the IP Assignment of Search Tools will show PPPOE.

IP KAMERA 9060
IP Assignment

Network Setup

Static
 DHCP
 PPPOE

IP: 192.168.100.168 MAC Address: 009060000004
Subnet Mask: 255.255.255.0
Gateway: 192.168.100.254

PPPoE Account: Account@pppoe.com Password: ●●●●●●

HTTP Server Port: 80

DNS Server DNS 1: 168.95.1.1
DNS 2: 0.0.0.0

D. HTTP Server : Appoint port number of HTTP , default is 80。 HTTP port setting can help use More than one IP Kamera for customer had only one real IP.

E. DNS Server : Appoint address of DNS Server IP , default is 168.95.1.1。
DNS work especially in FTP SERVER parts (in IE server section),

Server setting

This menu can appoint proper setting of SMTP and FTP, when exceptional event happened (for example the detector detect somebody coming by),IP CAM will save the image to PC, and it will automatically send video or image to user E-mail or FTP site.

LiveView Network **Server** Administration EventTrigger Update

IP KAMERA 9060
Mail Server

Server Setup

IP/Host: MailServer.com.tw Authorization: ON OFF
Mail From: MailFrom@com.tw
Receipt to: MailTo@com.tw
Account ID: Serq_user Password: ●●●●●●

FTP Server
IP/Host: FtpServer.com.tw Port: 21
Account ID: FtpUserName Password: ●●●●●●
FTP Mode: Port Mode Pasv Mode

DDNS Server
Host Name: domain.dyndns.org (Link to <http://www.dyndns.org>)
Account ID: domain_name Password: ●●●●●●
Status: badauth

NTP Server
IP/Host: 192.5.41.40 (Learn more...)
Time Zone: (GMT+08:00) China, Hong Kong, Australia Western, Singapore, Taiwan, Russia

A. SMTP(Simple Mail Transfer Protocol) , Steps :

1. Fill in SMTP Server , Mail From , Mail To.
2. Click “Submit”



The screenshot shows the 'Mail Server' configuration page. On the left is a dark blue header with 'Mail Server' in white. The main area has a light blue background. It contains several input fields: 'IP/Host' with 'MailServer.com.tw', 'Mail From' with 'MailFrom@com.tw', 'Receipt to' with 'MailTo@com.tw', and 'Account ID' with 'Serq_user'. To the right, there is an 'Authorization' section with radio buttons for 'ON' (selected) and 'OFF'. Below that is a 'Password' field with seven dots. A 'Submit' button is partially visible at the bottom right.

B. FTP(File Transfer Protocol) Steps :

1. Fill in Ftp Server , User , Password , Port , Ftp mode.
2. Click “Submit”



The screenshot shows the 'FTP Server' configuration page. On the left is a dark blue header with 'FTP Server' in white. The main area has a light blue background. It contains several input fields: 'IP/Host' with 'FtpServer.com.tw', 'Account ID' with 'FtpUserName', and 'Port' with '21'. There is also a 'Password' field with seven dots. At the bottom, there are radio buttons for 'Port Mode' (selected) and 'Pasv Mode'. A 'Submit' button is partially visible at the bottom right.

C. DDNS(Dynamic Domain Name Server) Steps:

- 1.To register user’s name, password, account and upload path from Website<http://www.dyndns.org>
2. Fill in account, password and upload path you applied.
3. Click “Submit”.

STATUS will show the connection information.



The screenshot shows the 'DDNS Server' configuration page. On the left is a dark blue header with 'DDNS Server' in white. The main area has a light blue background. It contains several input fields: 'Host Name' with 'domain.dyndns.org' and a link '(Link to <http://www.dyndns.org>)', 'Account ID' with 'domain_name', and 'Password' with seven dots. Below these is a 'Status' field with 'badauth'. A 'Submit' button is partially visible at the bottom right.

D. NTP(Network Time Protocol) Provide the function of adjusting time. Steps:

1. Fill in IP address or website.
2. Choose time zone.
3. Click “Submit”



The screenshot shows the 'NTP Server' configuration page. On the left is a dark blue header with 'NTP Server' in white. The main area has a light blue background. It contains two input fields: 'IP/Host' with '192.5.41.40' and a link '(Learn more...)', and 'Time Zone' with a dropdown menu showing '(GMT+08:00) China, Hong Kong, Australia Western, Singapore, Taiwan, Russia'. A 'Submit' button is partially visible at the bottom right.

Administration setting

By this functions. User can set 9060(A)'s name, Administration's account and general user's account.

When there are two or more 9060(A), we need to distinguish every one of them . The setting steps:

Fill in Camera Name, giving your setting name, then click "change".

Setting user's account, steps:

Fill in name、 old password、 new password、 fill in new password again , click "Submit".

Setting Administrator's account, steps:

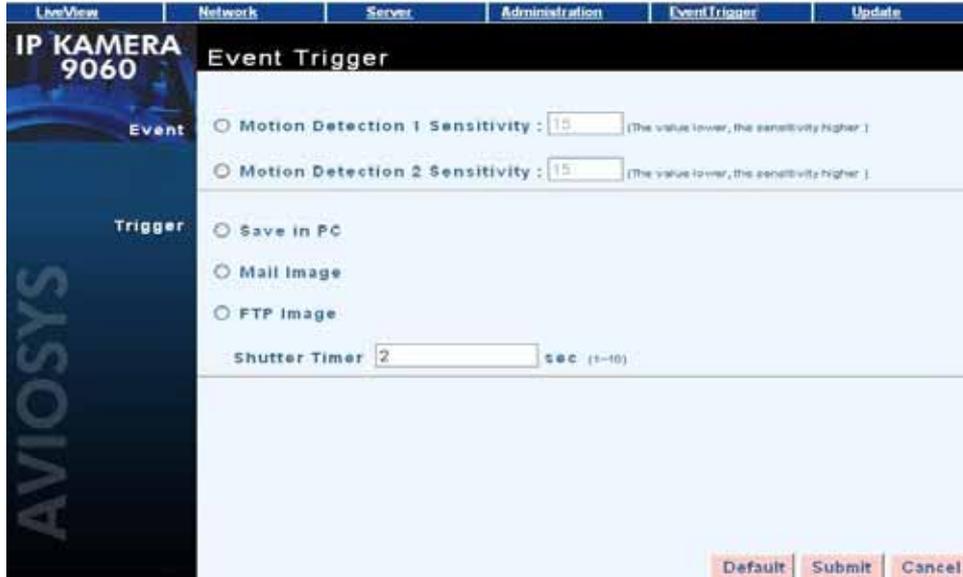
Fill in name、 old password、 new password、 fill in new password again , click "Submit".

Administrator can use all function ; General user can view image only.

The screenshot shows the 'Administration Setup' web page for an AVIOSYS IP KAMERA 9060. The page has a blue header with navigation tabs: 'LiveView', 'Network', 'Server', 'Administration' (which is selected), 'EventTrigger', and 'Update'. The main content area is titled 'Administration Setup' and contains two sections for user accounts. The first section is for the 'General User' and includes a 'Camera Name' field with the value 'Cam_location', an 'Account ID' field with the value 'guest', and three password fields: 'Old Password', 'New Password' (with a note '(3 to 16 characters required)'), and 'Re-type'. The second section is for the 'Administrator' and includes an 'Account ID' field with the value 'admin', and three password fields: 'Old Password', 'New Password' (with a note '(3 to 16 characters required)'), and 'Re-type'. At the bottom right of the form, there are 'Submit' and 'Cancel' buttons. A vertical logo 'AVIOSYS' is visible on the left side of the interface.

Event Trigger setting

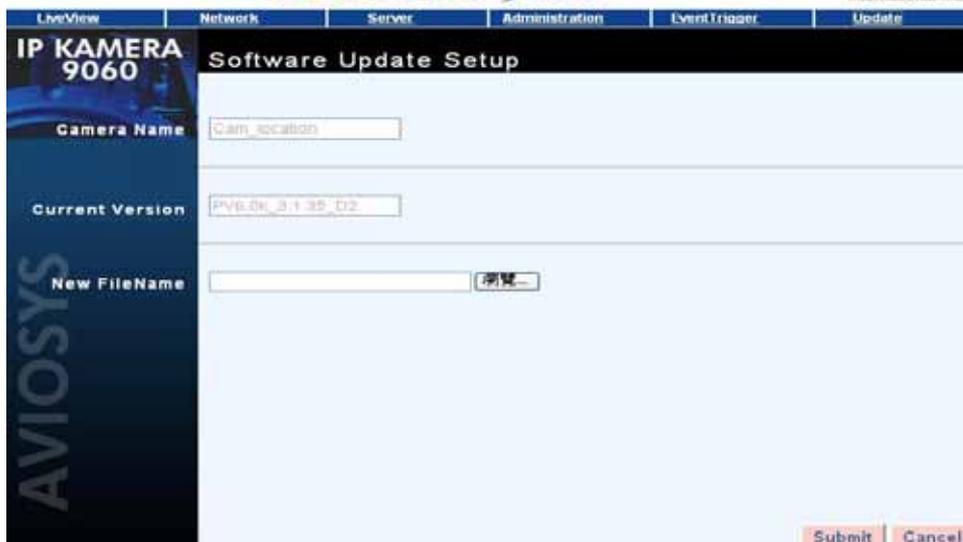
Event trigger: users can choose one or two Motion Detect functions. When motion detection is triggered , users can save the image in the PC, mail image through SMTP or upload to FTP Server. Click "Submit" after type account/password to relevant text windows.



Update setting

By update functions, user can online update 9060 firmware to get more functions;

1. Press "browse" key to chose new ROM Code.
2. Press "Submit" key to upload , it will holding 7-10 secs (100M Ethernet).
3. The windows will showing "wait system Reboot", it means upload finished.
4. Update will last 50 SECS. During this process, make sure power supply stabilization, Power fail will damage the 9060.
5. The web page will auto update after finished.
6. User can check firmware version to confirm the update.



7. FAQ

Q 1 : I forgot the ID and password for the administrator account, so I cannot log into the administration Page.

A : Make sure IP Kamera 9060(A) is powered on and press the “reset” button behind IP Kamera 9060(A) for at least 10 seconds, to help default camera setting to factory setting.

Note : Factory Administrator ID and Password

ID: admin
Password : 12345678

Q 2 : The Web Kamera does not launch?

A : Upgrade Internet Explorer to 5.0 or higher version.

Sometimes the web camera base cannot bring 'index.html' from the web

Camera when the Internet Explorer version is under 4.0. And remember to adjust internet default level to low when launching IP Camera's AP for the first time.

Q 3 : The Image recording can not stop immediately?

A : If your IP is virtual IP, than it will not be happened. If your IP is true IP (EX: PPPOE or FIX IP...),than it might be happened. You need to wait for a second and it will be return to normal.