# IP Cameras series users' manual

# IP camera users' manual

I. Maike	,			
	1 Power of the IP camera:DC12V/2A			
	2 Please confirm the power before connect to the power cable			
	3 Please connect the camera firstly before connect to the power cable			
Warning	We don't take charge of the damage because of the following actions:			
	1 Using the design or copy that doesn't approve by authority			
	2 Don't carry out operation according to this manual			
	3 User repair the equipment themselves			
	4 Fatal factor (such as seismic, fire etc)			
	1 Using the design or copy that doesn't approve by authority         2 Don't carry out operation according to this manual         3 User repair the equipment themselves         4 Fatal factor (such as seismic, fire etc)			

2. Model



1.Enclosure:Case of the camera	2.Front casing:fix the lens and the camera
3.Lens: 6mm iris	4.IR: IR Leds

### 3. IP camera and connection requirements

# **3.1** Parts list(from factory)

	IP camera parts list					
Item	Model name	Unit	quantity	remarks		
1	IP camera	Unit	1			
2	Connector (RJ45)	pcs	1			
3	Internet cable(RJ45 connector)	strip	1	Connect		
4	Power cable	strip	1	with the		
5	Connector cable	strip	1	camera		

### 3.2 LAN equipment introduction

IP camera LAN introduction						
Serial	Product name	model	unit	quantity	remark	
		1 Min requirement:PIII 128M 40G				
1	Computer (PC)	2 OS System:WIN2000 WINXP	set	1		
		3 Player:Media Player8.0~10.0 IE6.0				
2	Internet equipment	4 5 connectors over 10M/100M modem	unit	1		
3	IP Camera	5 IP camera	unit	1		

3.3 LAN+WAN equipment introduction

IP camera LAN introduction					
Serial	Product name	Model	unit	Quantity	remark
		1 Min requirement:PIII 128M 40G			
1	Computer (PC)	2 OS System:WIN2000 WINXP	set	1	
		3 Player:Media Player8.0~10.0 IE6.0			
2	Internet	4 5 connectors over 10M/100M modem	unit	1	
	equipment:				
3	IP camera	5 IP canera	unit	1	
4	ADSL	6 ADSL Modem with NZT function	unit	1	

4. The connection of the WIFI IP camera with LAN



## 4.1 The configuration of IP camera The settings of the IP

The IP camera have 2 default addresses, the IP address for wired is 192.168.0.123 and 192.168.123.123 (remarks:192.168.123.123 is an spare wirless IP address, then the user forget the IP camera address, this is a fixed one); the wireless IP address is 192.168.1.133 and 192.168.133.133, (remarks:192.168.133.133 is an spare wireless IP address, then the user forget the IP camera address, this is a fixed one), thus you should set the IP address of the initialize PC and the IP wireless address of the IP camera in the same section (remarks:please don't set the IP address of the PC and the IP wireless of the IP camera as the same, otherwise the camera won't work)

**First step**:install the network card on the PC, after you install it correctly, there will be "internet neighbor" on the desk, please click "attribute" as below chart(1-1)



(1-1)

(1-2)

Second step:after click "attribute", open a "intranet connection", click "attribute" again, see chart (1-2)

🕹 Local Area Connection Properties 🛛 🔹 💽	Internet Protocol (TCP/IP) Properties
General Authentication Advanced	General
Connect using: W Realtek RTL8139/810x Family Fast Configure	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
This connection uses the following items:	<ul> <li>Obtain an IP address automatically</li> </ul>
Client for Microsoft Networks	Use the following IP address:
File and Printer Sharing for Microsoft Networks	IP address: 192 . 168 . 0 . 117
QoS Packet Scheduler      Thermat Protocol (TCP/IP)	Subnet mask: 255 , 255 , 255 , 0
	Default gateway: <u>192.168.0.1</u>
Install Uninstall Properties	Obtain DNS server address automatically
Transmission Control Protocol/Internet Protocol. The default	Use the following DNS server addresses:
wide area network protocol that provides communication across diverse interconnected networks.	Preferred DNS server: 202 . 96 . 134 . 13
	Alternate DNS server: 202 . 96 . 128 . 68
<ul> <li>Show icon in notification area when connected</li> <li>Notify me when this connection has limited or no connectivity</li> </ul>	Advanced
OK Cancel	OK Cancel
(1-3)	(1-4)

Third step:after click (1-2)"attribute" please select "Internet protocol (TCP/IP)",as (1-3)

**Forth step**:click "attribute", choose "using the below IP address (S)", then fill the IP address of the intranet, for example: 192.168.0.2~254 (2~254 is the range of the address), change to:255.255.255.0, and change the default gateway as:192.168.0.1, DNS server address should be provided by telecom department locally, the host DNS server address is:202.96.134.133, spare DNS server address is: 202.96.128.66, Please refer to (1-4)

Fifth step:click "confirm" and finish this setting, back to the desk.

# 4.2 The setting of IP camera

**First step**: after finish the setting of the PC and connection of the camera, open your IE and enter 192.168.0.123(this is the default web address of the wireless IP camera), click "enter", as(1-5).

🗿 about:blank - Microsoft Internet Explorer		🗿 manage - Microsoft Internet Explorer 📃 🗖 🔀
File Edit View Favorites Tools Help	A	File Edit View Favorites Tools Help 🥂
🕞 Back 🔹 🐑 🔹 🛃 🏠 🔎 Search 👷 Favorites 🚱 🔗 🌭 🖼 🦓		🔇 Back 🔹 🕥 👻 📓 🏠 🔎 Search 👷 Favorites 🧐 💙
Address 🕘 http://192.168.0.123	o Links »	Address 🕘 http://192.168.0.123/
	8	User name: Password: OK
🕘 Done 🧶 🔮 Internet		🕘 Done 🥥 Internet 🛒
(1-5)		(1-6)

Second step:after the first step, will open a window asked for ID and password. The ID is "admin" and password is "123456" (this is the default ID and password). As(1-6)

Third step:click "OK", if the connection of the camera is correct, you will find the clear video on the screen. Now it usesthe "Media Player", as(1-7)



(1-7)

(1-8)

Forth step: click "Live player" player, (this player is realtime player, please install the ACTIVX), meantime a PTZ control will be come on the right side. The user can control the camera according to his requirement. There are 3 buttons in the bottom, the fist is for "saving", the second is "take photo", the third is adjust the audio. Please refer to (1-8)

				File Edit View Fevorites Tools Help			2		
					G Back	• 🕤 · 🖪	🕽 😰 🏠 🔎 Search 👷 Fe	workes 🕢 🍰 🍓 🖂 🚳	
Select Save Fil	e				Address 🤞	http://192.168.0	. 123/cgi-bin/config.cgi?flag=36/ang=en		💌 🔁 Go Linis 🏁
Save in:	🗇 Local Disk (E:)	• G	ø 🖻 🔃	•	Mec	la Player	Network Setting Page		^
	DVR_Media				Liv	e Player	IP address	192.168.0.123	
Mu Research	ENDB				Ne	t Setting	netmask	266.265.265.0	
Documents	EyeDat				Ser	er Setting	gateway	192.168.0.1	
					40	OUNTS	Prime DNS server IP	202.38.64.1	
						Nam	Second DNS server IP	202.38.64.1	
Desktop						- ann	MAC Address	00:51:b8:3e:4a:51	
						Time	WEB Port	80	
						itatus	Get IP address method	disable 🗸	
My Documents						pdate	Login name		
					Reboo	Default Set	Login Password		
							Login Password confirm		
Mu Computer							DDNS		
my comparer							DDNS Server	None 💌	
							domain name		
							Login Name		
My Network Places	File name:		•	Open			Login password	2 min little	
1 Ideou	Save as type: All File	es (".asf)	-	Cancel			Up p a w	5 min 🕑	v
				/	Done				Internet
		(1-9)						(1-10)	



# 5. Configuration of the server of IP camera

1)IP address

IP address setting					
serial	Name	setting	remarks		
		For IP camera, there are two kinds of default IP address, one is wired IP	Make sure		
		address, it is 192.168.0.123 and 192.168.123.123 (spare address), the	you		
		other is 192.168.0.133 and 192.168.133.133(spare address), the user can	remember		
		change the wireless IP address, the change range is 192.168.0.(2~254),	the		
1		but in the same intranet, the IP address should be different, otherwise	changed IP		
	IP address	the equipments can't work well. The user must change the IP address in	address and		
		the same section, for example, intranet use 0 section, such as	prot.		
		192.168.0.2(2~254),gateway is 192.168.0.1,if use 1 section, should be			
		192.168.1.(2~254),gateway is 192.168.1.1			
2	Netmask	255.255.255.0			
3	gateway	The setting of the gateway is:192.168.0.1			
		DNS server was provided by the local telecom dep. You should re-set			
4	DNS server IP	the DNS			
		The default MAC address is : 00:01:02:03:04:05, when just connect			
		only one camera, no need to change the MAC address; when connect			
5	MAC address	over 2 cameras, the MAC address must be different, and have to			
		change the MAC address. The first 2 numbers "00" can't be changed,			
		the second 2 numbers 01~05 should use number and letters, the range			
		of number is 0~9, letter is A~E, a~e, for example, 00:a1:b2:c3:d4:e5;			
		This Web port is the port for visiting Web Sever, it is the necessary port			
6	WebPort	that internet visiting. The default port is 80, user can change it but			
		please make sure to remember it, otherwise you can't set other			
		configurations.			
7	Ways to get an	LAN, ADSL or CABLE MODEM.			
	IP address				

# 2)PPPOE refer to (1-10)

# (1)ADSL

IP camera with the function that ADSL dial automatically, then you select this function, the cameras that connect to the ADSL will take up the whole ADSL signal, then other computers on the ADSL can't get work. We don't suggest to choose this function, but use the modem.

PPPOE setting					
Serial	Item name	Setting introduction	remarks		
1	Log name	Please enter the ID that the telecom dep. Provide you	This is just for only one		
		when you apply the ADSL	camera.		
2	password	Please enter the password that the telecom dep. Provide			
		you when you apply the ADSL			
3	Password	Please enter the password that the telecom dep. Provide			
	confirm	you when you apply the ADSL			

## (2)CABLE MODEM(slectable)

IP camera with the function to get the IP address automatically with the DHCP. When setting this function, the camera on the same ADSL will take up the whole internet signal, then other computers which connect to the cable modem can't get on line. So when use this function, please make sure the IP camera using an ADSL separately. If the DHCP can't get the IP automatically, please change the MAC address of the camera to the same MAC of the internet card of the PC.

CABLEMODEM setting					
serial	Item name	Setting intruction	remarks		
1	Log ID	Please enter the ID that the telecom dep. Provide you	This is just for only one		
		when you apply the ADSL	camera. Don't suggest to		
2	password	Please enter the password that the telecom dep. Provide	use it in intranet.		
		you when you apply the ADSL			
3	Password	Please enter the password that the telecom dep. Provide			
	confirm	you when you apply the ADSL			

## **6. Video setting** (1-13)(1-14)

Video setting				
serial	Item	Setting instruction	remark	
	name			
1	Baud bit	The baud bit of the IP camera is 20~500K, this is the bandwidth that the compression		
		image take up. Normally, people choose 500K for intranet, and 200K for ADSL and		
		internet		
2	frames	The range is 2~25fps, you can set different frames according to the bandwidth. This		
		will make a very good effect. Normally 25fps for 300K, 20fps for 200K.		
3	Video size	Resolution:176x144 352x288 528x432 704x576.you can set different resolution		
		according to different player. Normally, when play within intranet, choose		
		176x144,20fps, and choose 352x288,25fps when play within internet.		

4	Server port	The port 8090 is the default port (the setting range for video port is 5001~20000)the				
		user can change it, this port is the one that use Media Player to play directly, the				
		player address is: 192.168.0.123:8090/live.asf, if change the port to 8123, then the				
		player address is 92.168.0.123:8090/live.asf				
5	Time mode	You can set the time of the camera, so user can check convenient.				
6	Vide name	You can set the video name that you are monitoring.				
7	Use the	When use Media Player to visit directly, you should enter the password, it is the				
	Media	one that when you log on the IP camera. The address is :				
	Player visit	192.168.0.123:8090/live.asf, it will be changed when the port changed.				
	directly					



7. "WALN" setting, when configure the IP camera, user should choose suitable antenna according to the transmitting distance. There are 3 ways for wireless transmitting:Client Bridge AP

# IP Cameras series users' manual

# 1)Client mode

	Client mode					
Addre	Address information					
serial	Item name	Setting intruction	remark			
1	IP address	The wired IP address of IPcamera is 192.168.1.133 and 192.168.133.133(spare	When change wireless IP			
		address),192.168.1.133 can be changed, but 192.168.133.133can't be changed,	address, the IP address you			
		this is used for when user forget the IP address.	enter into the IP camera is			
			the wired IP address.			
2		255.255.255.0				
3	gateway	The default gateway is:192.168.1.1, user can change it				
4	WAN out	When you choose client mode, you just can choose wired IP address or wireless				
		IP address, you can visit it through internet.				
5	Searching ways	IP camera searching the other wireless equipment information automatically,				
	Bssid Channl	such as MAC address and the signal strength.				
	Mode Encrypt					
	signal Noise					
6	Server	The user should certificate the area that wireless camera located.				
	certification					
	ID(ESSID)					
7	Internet mode	Standard internet or AD-HOC				
8	channels	There are 1~11 channels, user can choose by himself. But the channels should be				
		the same when transmit signal in the same intranet area.				
9	refresh	Disable or enable				
WEP	password lock					
1	Lock way	WEP64 and WEP128				
		1 64 password, enter 10 numbers, first 0X, then enter 10 characters. The number				
		should be during 0~9, letter should be during a~f.				
		2 64 password ASCII character 5pcs, character 5pcs, number should be during				
2	WEP KEY	0~9, letter should be during a~f.;				
		3 128 password, enter 26 numbers, first 0X, then enter 26 characters. The number				
		should be during 0~9, letter should be during a~f.				
		4 128 password ASCII character 13pcs, character 13pcs, number should be				
		during 0~9, letter should be during a~f.;				

Status			
1	MAC Address	This MAC address is the MAC Address of this camera	
2	Link Quality	It is the connection quality(100%)	
3	Signal Strength	It is the signal strength of the IP camera(100%)	
4	Channel	It is the channels	
5	searching	This MAC address is the one that IP camera searched from other wireless equipments.	

2)Bridge mode

	Bridge mode				
Addre	ss information				
Serial	Item name	Setting instruction	remarks		
1	IP address	The wired IP address of IP camera is 192.168.1.133 and	When change the IP address, user used the		
		192.168.133.133(spare address),192.168.1.133 can be changed,	changed IP address to enter into the web		
		but 192.168.133.133can't be changed, this is used for when user	setting. Now the wired IP address is out off		
		forget the IP address.	function, just can use the wireless IP address		
			to set the IP camera.		
2	netmask	255.255.255.0			
3	gateway	The default gateway is:192.168.1.1, user can change it.			
4	WAN out	When you choose client mode, you just can choose wired IP			
		address or wireless IP address, you can visit it through internet.			
5	Bridge 1MAC	Please enter the MAC address of the needed bridge.	Bridge model is to connect the different		
	address		MAC address of the cameras, so that can		
6	Bridge 2MAC	Please enter the MAC address of the needed bridge.	transmit signals		
	address				
7	Server	The user should certificate the area that wireless camera			
	certification	located.			
	ID(ESSID)				
8	channels	There are 1~11 channels, user can choose by himself. But the			
		channels should be the same when transmit signal in the same			
		intranet area.			
9	refresh	Disable or enable			

status		
1	MAC Address	This MAC address is the MAC Address of this camera
2	Link Quality	It is the connection quality(100%)
3	Signal Strength	It is the signal strength of the IP camera(100%)
4	Channel	It is the channels.
5	searching	This MAC address is the one that IP camera searched from other wireless equipments.
6	Bridge1 signal	The signal strength of the IP cameral
7	Bridge2 signal	The signal strength of the IP camera2
8	Bridge3 signal	The signal strength of the IP camera4
9	Bridge3 signal	The signal strength of the IP camera5
10	Bridge3 signal	The signal strength of the IP camera6
11	Bridge3 signal	The signal strength of the IP camera7
12	Bridge3 signal	The signal strength of the IP camera8
13	Bridge3 signal	The signal strength of the IP camera9
14	Bridge3 signal	The signal strength of the IP camera10
remark	when choose Bridg	e mode, the IP cameras of the center of the monitoring and the client set as "bridge".

Bridge mode chart



# 3)AP Model



AP model setting				
Workin	g model:AP			
Address	s information			
serial	Item name	Configuration instruction		
1	IP address	The wired IP address of IP camera is 192.168.1.133 and 192.168.133.133(spare address),192.168.1.133 can be changed, but 192.168.133.133can't be changed, this is used for when user forget the IP address.	When change the IP address, user used the changed IP address to enter into the web setting. Now the wired IP address is out off function, just can use the wireless IP address to set the IP camera.	
2		255.255.255.0		
3	gateway	192.168.1.1, user can change it		
4	Server certification ID(ESSID)	The user should certificate the area that wireless camera located.		
5	channels	There are 1~11 channels, user can choose by himself. But the channels should be the same when transmit signal in the same intranet area.		
6	refresh	Disable or enable		
WEP lo	ck			
1	Lock way	WEP64 and WEP128		
2	WEP KEY	<ul> <li>1.64 password, enter 10 numbers, first 0X, then enter 10 characters. The number should be during 0~9, letter should be during a~f.</li> <li>64 password ASCII character 5pcs, character 5pcs, number should be during 0~9, letter should be during a~f.;</li> <li>128 password, enter 26 numbers, first 0X, then enter 26 characters. The number should be during 0~9, letter should be during a~f.</li> </ul>		

# IP Cameras series users' manual

		128 password ASCII character 13pcs, character 13pcs, number should be
		during 0~9, letter should be during a~z
Status		
1	MAC Address	This MAC address is the MAC Address of this camera
2	Link Quality	It is the connection quality(100%)
3	Signal Strength	It is the signal strength of the IP camera(100%)
4	Channel	It is the channels
5	searching	This MAC address is the one that IP camera searched from other wireless
		equipments.
Remarks	s :when choose AP r	node, the center of the monitoring set as AP mode, the other IP cameras set as Client.

# Use of AP mode



# 8. Account setting

e Edit View Favorite	is Tools Help		
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iress 🕘 http://192.168.0	).123/cgi-bin/config.cgi?flag=38iang=en		💌 🄁 Go
Media Player	Account Setting Page		
Live Player	Administrator accounts User name		Permission
Net Setting	admin	. usumota	Administrator 🛩 apply
Server Setting	Other user accounts		
ACCOUNTS	User name	Password	Permission
Alarm			v apply del
Time			v apply del
Status			🗸 apply del
update			
Reboot/Default Set	User name and pa	assword consist of a-z,A-Z or U-9 , and	the max length is 16

(1-21)

1) When choose "account setting", there are "administrator ID, password" and "normal ID and password". There is only one ID and password for administrator, and 4 ID and password for normal person, user can set them himself.(remark:when setting and changing password, please make sure to remember it, if forget it and can't back to default setting, must return to the manufacturer)

GUI for account manage						
Account for administrator						
Serial	ID	password	Authorized		remark	
1	User set the ID himself	User set password himself	administrator	application		
	The default ID is admin	Default password is	Administrator	just can set		
		123456	only one			
Other accounts						
1	User set the ID himself	User set password himself	view	application		
			User set the popedom			
2			manage	application		
			User set the popedom			
			Forbid	application		
	User set the popedom					
			view	application		
			User set the po	pedom		

## 9. Recording setting

When choose "recording setting", it is dynamic recording. Among the monitoring area, the camera will save the video in the PC automatically.(remark: have to install the FTP software, such as Serv-U)

	Recording setting			
Serial	Item name	Setting instruction	Remark	
Motion	Detection			
		Can choose 4second 1min 10min 30min 1hour, but in order to keep		
		the complete and quality of the transmitting video, you just can		
1	The length of the video	select 4 seconds when send by e-mail.		
FTP				
1	Upload way	FTP		
2	FTP server address	It is the IP address of the PC that you want to upload the video for		
		example, 192.168.0.50		
3	Log name	For example, ABCD is the log name that under the supporting of the		
		FTP software.		
4	password	For example, 123456 is the password under the supporting of the		
		FTP software.		
5	Upload catalog	The address of the uploading		
E-mail				
1	E-mail upload	Select Disable or Enable		
2	Receipt address	Enter the email address:pus12@163.com		
3	Subject	Name :video		
4	If include vide as attachment	Yes or No		
5	Sender's address	Enter sender's address:pus12@163.com		
6	SMTP server address	Enter the SMTP server address:SMTP.163.com		
7	SMTP server port	Port is 25		
8	The space of sending Email	Select the time 5min, 10min, 3min, 1 hours, 2 hours		
9	SMTP need certification	Yes or No		
10	Account	pus12@163.com		
11	Password	XXXXXX		

# 10. Time setting

Select "time setting", IP camera has the function in setting time, in different countries and areas, it will show different time, once you have selected the time and start the time function.

# IP Cameras series users' manual



#### **11. STATUS**

Select "Status", the camera will display :

"LAN Status" (MAC address IP address Subnet mask)

"WLAN status" (Work Mode Network Mode Channel MAC Address IP Address Subnet Mask id Essid WEP Mode)" WAN Status" (MAC address IP address Subnet mask Gateway DNS Server IP)

"Video Status" (Video Size Frame Rate Bit rate Media Player access URL)

"Version Status" (you can see the current firmware version)" Log" (Display the interviewer's note of today);

# **12. UPDATE**

IPcamera can be updated on line. Enter the correct"Username Password File", and the camera will update the newest software..



#### 13. Reboot/Default Set

Select "**Reboot/Default**", you should reboot the camera when you reinstall the item., Click "OK", after 30 seconds, the camera will start run again...

Instruction: After finish the configuration, if can't see the video, you can operate the steps as follow:

1.Inspect the connection of IP camera is good or not;

2.Inspect the power is matching the camera or not;

3. You should wait for a moment to see the real time video;

4.Adjust the line that connect IP camera;

#### • Configuration of IP camera stand-aloe or in LAN (Take Windows XP for example)

**1.** After correctly finished the configuration of above, you can carry on the configuration of stand-alone or in LAN. The computer should fixing Windows Media Player8.0 and IE5.0 or more advanced software. If configure two or more cameras, the IP address and MAC address must be different from one another.:

1 Click "Start", and run "Media Player" software. Please refer to (2-1);

2 Click "File—Open URL", Please refer to (2-2);



(2-1)

(2-2)

3 Enter "http://192.168.0.123:8090/live.asf" in the dialog-box

Instruction: the default media address of IP camera is <u>http://192.168.0.123:8090/live.asf</u>, the user can change this address, but "live.asf" is the text file ,can't be changed; if select the connect of video authentication, the default media address is <u>http://192.168.0.123.8090/live.asx.</u>, the user can change this address, but "live.asf" is the text file ,can't be changed; the default user name is : admin ,and the password is: 123456.



(2-3)

4 Click "OK", input the correct username and password, and you will see the clear video.

#### 2. internet

1)Flow chart of WLAN



#### 2)Product list

Product list of configuration of IP camera					
Num	Product Name	Product Models	Amount	Unit	Remark
1	WIFI IP camera		1	Set	
2	Switch	More than five oras	1	Set	
3	PC (Windows98/2000/2003/XP)		1	Set	
4	Network Cable	twisted-pair	more	Piece	
5	Router	ADSL with router function	1	Set	
6	ADSL or DDN		1	Piece	Supply by elec dep
7	PC(Windows XP Operating System)		1	Set	Long-distance used

#### 2.Net work condition

IP camera can run in ADSL DDN Cable Modem network condition, it take on powerful network function in ADSL, so we suggest users use ADSL brand band in network condition, this handbook take ADSL brand band for example:

#### 4.Capture the IP in internet

Now, user use mostly of dynamic IP address, and only a little use static IP address. If see the video from long-distance, we should capture the IP address, So we suggest user applying the dynamic domain name or apply from the ADSL that the telegraphy department.

1 Apply dynamic domain name, and input <u>www.3322.org</u> in IE, press enter, Please refer to (2-6);

2 Click "user login", Please refer to (2-7);

# IP Cameras series users' manual



P(2-6)

P(2-7)

())))(A) 工具())

- 3 Enter the username /telephone/email address. Please refer to Please refer to (2-8);
- 4 Select "submit" success enroll the username. (The password will send to your Email, you can change it), Please refer to Please refer to (2-9);

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编辑(1) 查看(1)



P(2-8)





5 Enter the username and password that you have applied, Please refer to (2-10);



6 Click "Dynamic domain service", Please refer to P (2-11);

- 8

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	P	2-12)				AND INC.	P(2-13)	•	

7 Click "New", Enter the host name "pus11", it was defined by user, and the IP address is "219.134.250.37" it is the domain IP address that user use this ADSL, Please refer to P (2-12);

8 Click "OK", succeed in applying the dynamic domain name, Please refer to P (2-13);

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P(2-14)

P(2-15)

9 There will display some articles of how to apply the dynamic domain name, Please refer to P (2-14);

10 In the new dynamic domain name, it will show what you have configured, if user what to add more dynamic domain name, he can add underside, Please refer to P (2-15);

#### **4.NAT configuration**

There are two methods: manual port mapping, the other is automatic port mapping.

#### 1) Manual port mapping

IP camera has the powerful network function, user just need to link into the internet, and he can see the video that comes from long-distance. IP camera must link the router or the server before enter the Internet. Now , there have Private network router and router with ADSL modem function., and all of them have the function of route or dummy server. We take ADSL modem and ASUS AAM 6000EV/G6ADSL modem equipment for example.

1 Enter ASUS AAM 6000EV/G6ADSLMODEM WEB Sever setting, the normal WEB address is "192.168.0.1", Please refer to P (3-1);

2 Enter the user name and password, Please refer to P (3-2);



P(3-1)

P(3-2)

3 Enter ASUS AAM 6000EV/G6ADSLMODEM WEB Sever setting, find NAT in the server item, choose "NAT RULE ENTRY", (Instruction: every router from different has different default configuration, but NAT and dummy server is sameness), Please refer to P (3-3);

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P(3-4)

4 Select "NAT RULE ENTRY", please refer to (3-4);

P(3-3)

5 Select "NAT RULE ENTRY", there will show a dialog box, please refer to (3-5)

机用号码 銀口名称 规则类型 协议 本地起始地址 本地终止地址 腰作
ALL NAPT ANY 0.0.0.0 255-255-255-255 @ 0 8
ALL NAFT ANY 0.0.0.0 255.255.255.255



6 Click "Add", enter the parameter of IP camera to "NAT RULE ENTRY", please refer to (3-6)

Instruction:

RDR Rule: Success setting the address and the port, user can interview the WEB Server or the FTP Server through the IP address of Internet..

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<b>2</b> .9	<b>RA #</b> #	-	٩	
P(	3-6)		P(3-7)	

ORD NO: Judge the inertatic number of address interpretation, transact the minimum number, if accord, it won't transact the higher number;

Interface name: please select the corresponding interface of WLAN, such as PPP 1483B and so on;

Protocol:choose the correspond protocol(TCP/ANY);

Local address from: Use of local rules IP threshold, enter "192.168.0.123" (the IP address of IP camera)

Local address to: Use of local rules IP ending value, enter "192.168.0.123" (the IP address of IP camera)

Generic address from: not modified;

Generic address to: not modified;

Purpose-built port from ; 80 port (WEB port of IP camera, user of long-distance interview the camera should from this port)Purpose-built port to: the same with "Purpose-built port from"

7 Click "refer" to start the first step of configuration of NATWEB, Please refer to (3-7);



P(3-8)

P(3-9)

8 Close the interface of the  $7^{\text{th}}$  step, there will show the menu of  $5^{\text{th}}$  continue adding the video port ,and enter the data of video port, Please refer to (3-8);

Instruction:

RDR Rule: Success setting the address and the port, user can interview the WEB Server or the FTP Server through the IP address of Internet..

ORD NO: Judge the inertatic number of address interpretation, transact the minimum number, if accord, it won't transact the higher number;

Interface name: please select the corresponding interface of WLAN, such as PPP 1483B and so on;

Protocol:choose the correspond protocol(TCP/ANY);

Local address from: Use of local rules IP threshold, enter "192.168.0.123" (the IP address of IP camera)

Local address to:Use of local rules IP ending value, enter "192.168.0.123" (the IP address of IP camera)

Generic address from: not modified;

Generic address to: not modified;

Purpose-built port from ; 8090 port(WEB port of IP camera, user of long-distance interview the camera should from this port);

Purpose-built port to: the same with "Purpose-built port from"

9 Add the video port to the dialog box (such as:8090), Please refer to (3-8);

10 Click "Refer" after finish setting the video port, Please refer to (3-9);

11 There will show all the content after finish setting the WEB port and Video port., Please refer to (3-10);

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P(3-10)

#### 2) Automatic port mapping

IP camera has the function of auto port mapping, if the router with auto port mapping function, user can open the Upnp function, and it will auto mapping the WEB port and Video port to the router, user can interview the long-distance camera. User can select auto port mapping or manual port mapping to realize the long-distance interview function.

#### 4.Play of the long-distance video

#### a) Use Media Player play the radio

User can interview the wifi IP camera through Internet. The PC that connects the internet should install Media player 8.0 or more advanced; now we took Windows XP operating system and ADSL broad band for example.





P(4-2)

Instruction:Exactitude finish the connect of internet, configuration of dynamic domain name and the configuration of NAT;

1 When enter Windows XP operating system, Open Media Player Please refer to (4-1);

2 Choose "File"-- "Open RUL", Please refer to (4-2);

3 Input "http://pus12.3322.org:8090/live.asf" in the dialog box,(pus12.3322.org is the DDNS that you have applied, 8090 is the camera's WEB port, "live.asf" is the camera's text file, is also the camera's appoint file name);Please refer to (4-3);



P(4-3)



P(4-4)

4 Click "OK", and you will see the clear video, Please refer to (4-4);

b) Interview through IE browser

Instruction: Open IE browser, Enter <u>http://pus12.3322.org:80</u> in the address item, and click "OK", then there will show the user name and password items, the default username is admin, the default password is 123456, (Remark::"pus12.3322.org" is the dynamic domain name that you have applied, 80 is the WEB port of IP camera, if you want to change the server port, make sure it was the same with the changed.

## 5.MOTION DETECTION KINESCOPE SETTING

c) Configuration of FTP

IP camera has the function of motion detect, and it also can send the kinescope to the local or long-distance PC, now, we take Serv-U software for example.

1 first you should check the IP address of PC, such as: 192.168.0.50, and build a new file used to save the video that sent to, such as: E/kinescope,

2 Configure "Serv-U" software, double click and open "Serv-U", P(5-1);

	📕 Serv−U Administrator - << Local Server >>	
Serv-U Administrator	<u>F</u> ile <u>E</u> dit <u>D</u> omains <u>V</u> iew <u>W</u> indow <u>H</u> elp	
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P(5-1)

P(5-2)

3 Select "Domains", and click "New Domains Ins" by the right key of mouse, build a new domain name, P(5-2);

4 Select "New Domains Ins", and enter the PC's address, such as "192.168.0.50"

Instruction: enter 192.168.0.50 used to saving the video to this local PC), press "NEXT", (5-3)

5 Build a new domain name, such as "123456" (Domain name can defined by user self), press "NEXT", P(5-4)

Add new domain - step 1	🛛 🛛 🗛 🗛 🗛 🗛 🗛 🗛 🗛
Please enter the IP address for the new domain, or leave blank to use any available IP (dynamic IP address). The IP address should be supported by your network and not used yet by any other domain. Domain IP address	Please enter a descriptive name for the new domain. This can be the IP name (like ftp.domain.com) or any other description that is not yet used by any other domain. <b>Domain name</b>
	Descriptive name for domain
X ⊆ancel → Next	<u>Previous</u> <u>Cancel</u> <u>Next</u>
P(5-3)	P(5-4)

6 The default FTP server port is 21, press "NEXT", P(5-5);

7 Select "Store in INI file" as the domain type, save as INIfile file. Click "fish", and there is a new domain built.(5-6);

Add new domain - step 3 🛛 🗙	Add new domain - step 4
Please enter the port number for the new domain. Port numbers are between 1 and 65535. Default port for FTP servers is port 21. Domain port number	Please select where this domain should be stored. For small domains the .INI file is preferred, for large domains (>500 users) the registry provides faster performance. <b>Domain type</b>
	Store in .INI file
← Previous X Cancel → Next	Previous     Cancel     Finish
P(5-5)	P(5-6)

8 Finish building a new domain name, user can build more domain name according his requirement, P(5-7)

9 Build a new username in the domain, open "Domains", and click "user" by the right key of mouse, user can also build more username in this domain, and insure the correct route of saving the kinescope. And make sure it is convenience finding the kinescope, and press "Next", P(5-8);

10 Define the username (such as "abcd", this is the username that build in the new domain, the kinescope should configure the same username), Click "NEXT", P(5-9);



11 Configure the safety password, such as "123456", .(Instruction:123456 is the user defined when building the first domain, when setting the kinescope password must be the same with this one) Press"NEXT",P(5-10);



12 Choose the route of saving the video/home directory, the integrity route of sending the video, (it must be the file of this PC, or it won't send the video), press "NEXT", P(5-11);

13 Select "YES", P(5-12);

14 Adjust the function of motion detect, choose the new username "abcd", choose "Dir Access/Read/Write", and press "Apply", or it won't send the video, P(5-13);

Add new user - step 3	Add new user - step 4
Please enter a home directory for the new user. This is the path i which the user is placed immediately after logging in. Home directory	in Should this user be confined to their home directory (and the sub-directories below it)? Answering "yes" will cause the user to see only \' as their home directory and will not allow any access outside it.  Lock user in home directory?
P(5-11)	P(5-12)
Serv-U Administrator - <	Sal Server >>     Read     Path     Account     Path     Access     Files:     Files:   Path   Access   Files:   Path   Bapply   Pastore
P(:	5-13)

#### d) Configurations of kinescope of local motion detect.

Local motion detection setting, WLAN setting refer to (IP Camera setting), FTP setting refer to (Motion detection setting)

#### e) Setting of motion detect of long-distance kinescope

1. Configure FTP software. Install "Serv-U" software, according to the configuration of motion detect and FTP;

2.Setting of WIFI IP camera's kinescope setting is the same as local motion detect kinescope, FTP server should enter the IP address of ADSL board band. If it's the fixed IP address, just enter it. If it's the dynamic IP address, user should enter the domain name parse address, such as "shkli123.3322.org",

3. Port setting: it must mapping the port 21 to the router or ADSL Modem If achieve the kinescope function of motion detect . the mapping way is the same with mapping the NAT of the IP camera, port mapping( such as 192.168.0.98 ,it's the IP address of long-distance kinescope, and 21 is the port of FTP), Please refer to (5-15);





#### 6.Frequently asked questions

Live Player can't play(Windows98/2000/2003/XP)

Upgrade IE browser to edition 6.0 or more advanced;

Upgrade Media Player to edition 9.0 or 10.0;

Install hardware accelerate software DirectX 9.0 edition;

Configure IE6.0 browser security function;

1. Open IE browser, click "Tools", choose "Internet Options", P(5-16);

2. Click "Security", there will come out "internet" "Local Internet" "Trusted Sites" "Restricted Sites", choose "Custom Level", eg.(5-17)



3. Select "enable" or "prompt" of the item of "ActiveX controls and plug-ins",P(5-18)

4. Exit to desktop, press mouse right key, click "properties", P(5-19)

5. Choose "setting", click "Advanced", P(5-20)



6. Choose "Troubleshoot", turn "Hardware acceleration" to "Full", Click "OK", P(5-21)

isplay Properties 🛛 🖓 🗙	Default Monitor and Intel(R) 82945G Express Chipset
Themes Desktop Screen Saver Appearance Settings	Color Management Toules Intel(R) Graphics Media Accelerator D General Adapter Monitor Troublesh
Display:         Default Monitor on Intel[R] 82945G Express Chipset Family.         Screen resolution         1024 by 768 pixels         Toubleshoot         Advanced	All accelerations are enabled. Use this setting if your computer has problems with your graphics hardware? The All acceleration and performance supplies hardware. Use the Display Troubleshoot to assist y making the change. Hardware acceleration: None Figure 10 Provide the All acceleration of the problems. The All accelerations are enabled. Use this setting if your computer has problems. (Recommended)
OK Cancel Apply	OK Cancel A

(5-20)

(5-21)

7.Enter the real-time player (Live Player), according the prompt to finish the configuration;

8. After install the plug-ins of player, repeat the 4<sup>th</sup> step, configure the safety function of IE6.0, resume them to the default level;

9.Run DirectX9.0, testing the hardware acceleration;

10.you just take 5~7 steps in Winodws98/ Winodws2000 operating system;

11. Finish the installation of Real time Player.

2)Play software amortize for long time

1 Enter windows XP operating system;

2 Enter "Media Player" software, select "Tools", and click "Options", P(5-22);

3 Click "Options", change the amortize to 1 minute of capability, P(5-23);

4 Click the menu of Media Player, choose "examine "and "video frequency size 100%",P(5-24);

3)How to obtain DNS Server address;

1 Enter windows XP operating system, click "Start"—"Run"(Instruction:PC should connect with internet, take ADSL brand band for example)



P(5-24)

- 2 Input "CMD" in the dialog box, Click "OK", P(5-25)
- 3 Input "ipconfig/all", press "Enter", P(5-26)

4 Find "DNS Server IP address", such as 202.96.133.134(different city has different DNS Server Address), P(5-27)







5 Input the DNS Server IP address to the camera.