

Model: NET200

NETWORK VIDEO SERVER OPERATING INSTRUCTIONS

Table of Contents

1.System Features	
1-1. Package Contents	3
1-2. System Requirements	3
1-3. Hardware Description and Features	4
1-4. NET200 Hardware Specification	5
2. Installation	
2-1. NET200 Hardware Setup	5
3. Accessing the NET200 (Connect to Camera)	
3-1. Change the NET200 IP Status	9
3-2. On the LAN with DHCP Server	10
3-3. On the LAN without DHCP Server	10
3-4. On the LAN use with the ADSL Router	11
3-5.Access the NET200 by ordinary user login	12
4.Change password	12
5.View Log	12
6. Configuration	
6-1. System Settings	14
6-1-1. Camera name	14
6-1-2. Camera's time	14
6-1-3. Web Server Port Number	14
6-2. Camera Control	15
6-2-1. Quality Setting	15
6-2-2. Resolution Setting	15
6-2-3. Frequency Setting	16
6-2-4. Camera Advanced adjust	16
6-2-5. Split setting	16
6-2-6. Operation Mode	17
6-3. User Setup	17
6-3-1. Current User	17
6-3-2. Account Management	17
6-3-3. Delete Account	18
6-4. Motion Detection	19
6-4-1. Motion Detection Enabling / Disabling	19
6-4-2. Set Detection Area	19

6-4-3. Motion detected mail function196-4-4. Motion detected mail206-4-5. Motion detected message on the main window.206-4-6. FTP uploads when motion detected.206-5. Network Setup.216-5.1. Manual Setting216-5-2. Connect to ADSL by PPPOE mode.216-6. Audio Setup.236-6-1. Audio Configure.23
7. Delete a Camera23
8. Snapshots
9. Image Recording9-1. Save as JPEG.239-2. Save as AVI.249-3. Save Current Picture As.2510. Hardware Reset.26
11. Accessing NET200 over the Internet 11-1. WAN IP Address11-2. Network Address Translation (NAT)2711-3. Port Forwarding2811-4. Default Gateway28
12. Network Utilities 12-1. Determining your IP Address and Network Settings2912-2. Using PING
13. Router Configuration32
14.How to combine with NET200 and webpage

Introduction

The NET200 is an Internet-based digital media server, video source and audio source to distribute their compressed live video and audio into Intranet-Internet through an Ethernet connection. It is a self-contained Web Server, so users could access the NET200 just browsing a website over the Internet using a standard browser such as Explorer or another browser, and do all the management, configuration, and monitoring easily. NET200 contains image compression chipset that is capable of delivering standard JPEG, MJPEG, and real-time video into a limited network bandwidth.

1. System Features

1-1. Package Contents

- 1. NET200
- 2. Power Adapter
- Red Color 10/100 Mbps Ethernet LAN Cable (MDI / X, Cross over LAN cable)
- 4. Blue Color 10/100 Mbps Ethernet LAN Cable (MDI)
- 5. NET200 installation CD-ROM
- 6. User Manual
- 7. Climbers with screws
- 8. Warranty card
- 9. Rubbers x 4

1-2. System Requirements

To view the camera web page

w Web Browser – Internet Explorer for Windows 5.0 or higher

w PC with Windows 98/98SE, ME, 2000, or XP connected to LAN

To run the included software (IPEDIT) applications

w PC - Intel Pentium III or equivalent, 500MHz or above, 64MB RAM, 150 MB Hard Disk Space, 800x600 resolution with 16- bit color

w Windows 98/98SE, ME, 2000, or XP

To access cameras from the Internet

w Broadband Internet Connection (DSL, Cable Modem) with min. 128k upload speed

1-3. Hardware Description and Features

w Connect to any analog camera (Color, B/W)

w Connect TV and DVD / VCD Player

w Built-in Microphone with Audio / Video Function

w Real-Time Motion Detection

w Support TCP/IP, SMTP, FTP, PPPoE, DCHP (Dynamic Host Configuration Protocol)

w Built-in web server allows camera to be accessed by standard Internet browser

w Network RJ45: 10Base-T/100Base-TX Ethernet networks

w Network ready, IP addressable (no PC is required.)

w Motion-JPEG based compression

w 5 different resolutions: 640x480, 352x288,320x240,176x144,160x120

w Record AVI or Motion JPEG images on to hard disk for future viewing

Network

w Fixed IP.

w Dynamic IP by DHCP.

w Directly connect to ADSL by PPPoE, mail the IP setting to preset mail address.

User Management

w User Management for Add User, Delete User, and Change Password.

w Administrator, privileged user to change any settings.

w General users, view images only.

Camera Control

w Layout: 1x1, 2x2, 3x3, 4x4.

w Resolution: 160x120, 176x144, 320x240, 352x288, 640x480.

w Quality: Highest, High, Medium, Low, Lowest

w Image Rotate / Flip.

w Video Adjustment: Brightness, Contrast, Saturation, Hue, Sharpness

Motion Detection

w Software Real-Time Motion Detection.

w Selected Region Provided.

w E-Mail the Detected Images to preset e-Mail address.

w FTP the Detected Images to preset FTP server.

Browser Support

w IE only (ActiveX Control) save the current image local PC.

w ActiveX controls: ActiveX controls support full functions, including the Right Mouse Button Menu control.

Utility

w IPEDIT.EXE to scan the Installed IP-Cams and change the Camera Name and IP Address

1-4. NET200 Hardware Specification

w Built-in web server allows camera to be accessed by standard Internet browser

w Network, RJ-45: 10Base-T/100Base-TX Ethernet networks

- w Network ready, IP addressable (no PC required.)
- w Motion-JPEG based compression
- w Size: 91 mm x 65 mm x 53 mm

w Weight: 163 g

w Power Supply: 5.1 VDC/2A

2. Installation

Before installing the IP- Box, You should have an available Ethernet LAN connection (RJ-45 port). To view the camera's image or make any manual configuration changes, you will need a Windows PC with Internet Explorer 5.0 or higher and connection to the LAN.

2-1. NET200 Hardware Setup

- 1. Insert the power-cord to NET200.
- 2. Insert the Network Line to NET200 and Computer LAN Card RJ-45 port (Red color LAN Cable).
- 3. Equip Camera to Video-in port, Power-On the Camera
- 4. Power-On the Computer for IP setup.
- 5. Use the IPEdit.exe tools to find the NET200.
- 6. Use IE to view the NET200 image.



Step1.Plug the Ethernet cable onto NET200

Plug the included RED Color Ethernet cable into the RJ-45 connector at the back of the NET200 as shown.

Step 2. Plug the Ethernet cable into PC

1. Temporarily disconnect the existing network cable from the PC.

2. Plug the other end of the Ethernet cable into any available LAN port. A typical home router/gateway connection is shown on the left.





Step 3. Equip Camera to Video-in port1. Connect the BNC Cable to the NET200 from Camera , Power-On Camera then

Step 4. Connect the Power Supply to the NET200

Connect the power supply to the back of the NET200 as shown, and then plug the supply into an available power outlet.





Step 5. Ensure the NET200 power light is lit When the NET200 is connected with power, the LED light on top of the NET200 will light up. This indicates that the NET200 is powered on.

Step 6. Using IPEdit.exe to test the NET200

- 1. Use IPEDIT.EXE to find the installed NET200
- 2. The NET200 without IP allocated by DHCP will have a default IP address of 169.254.xx.xx
- 3. Select this NET200 on Camera List Window.
- 4. The default configuration will be shown on the right window.
- 5. Change NET200 network settings.
 - u Update the Camera Name (Fixed IP).
 - u Update the Gateway Address (192.168.0.1).
 - Update the IP address of this NET200
 - . (192.168.0.30).
 - u Update the Network Mask (255.255.255.0).
 - u 'Submit' it.

After the "Submit" button is clicked, The IP information of this NET200 will updated.

ALLEN	Name	ALLEN
	Gateway	192 .168 . 1 .25
	IP	192 . 168 . 1 . 21
	Netnask	255 . 255 . 255 . 0
	HTTP Portl	80
	HTTP Port2	
	MAC	00:00:00:00:00:22
Update Subs	HTTP Port2 MAC	00:00:00:00:00:22



Step 7. Using IE to view NET200 image

1. Start the Internet Explorer, key in the IP Address of NET200 into the Address field, such as 192.168.0.245.

2. Turn the lens to the left or right to adjust the clarity of the focus.

Step 8. Connect NET200 to the ADSL Modem or LAN Hub

- 1. Remove the red network cable from the PC when all the settings are completed.
- 2. Reconnect the existing network cable to the PC.
- Using the blue network cable provided, connect one end to the NET200, and the other, to the ADSL model of LAN hub.





Step 9. View NET200 Image Remotely

When all settings are completed, you will be able to enter the NET200's IP address through the remote PC's IE and view the real-time NET200 image.

3. Accessing the NET200

3-1. Change the NET200 IP Status

- U Using the IP-Edit, you could select the different Network options.
- u The PC network options will display the Gateway and Netmask network settings, which you can edit with IP-Edit.
- Alternatively, you may contact your network system administrator to provide you with the details of your network Gateway and Netmask settings.

ALLEN	Nane	ALL	EN
	Gateway	192 .168	. 1 . 254
	IP	192 .168	. 1 . 216
	Netmask	255 . 255 .	255 . 0
	HTTP Portl	80)
	HTTP Port2		
	MAC	00:00:00:	00:00:22
1			1
Update Sub	nit		Exit
You can change camera name, IP addre	ess, and Gatewa	y Address:	

Lenter the Camera's IP number.
 If you allow outsiders to see the NET200, please enter another IP address.

If you only want the NET200 to be viewed in the internal network, you could enter a local IP number Example: 192.168.0.99.

u Clicking "Submit" will update all the changes made to the NET200 settings.

Option	Translations	Functions
Labels		
Name:	Name of the	Options for the name of the camera
	Camera	
Gateway	Gateway	Reviews through your network options
IP	Network	
	Address	
Netmask	Network	Reviews through your network options
HTTP Port 1	HTTP Port 1	80
HTTP Port 2	HTTP Port 2	IP address given by the administrator,
		refrain from changing it
MAC	MAC Address	

Example: Hinet uses the IP address number: Use IPEDIT to enter Hinet assigned IP address.

Launch IE Browser. Go to NET200 à Network Setup à PPPoE. Set ADSL User ID and Password provided by Hinet. Click Submit and restart the PC.

3-2. On the LAN with DHCP Server

- 1. Use IPEDIT.EXE to find the installed NET200.
- 2. Select this NET200 in the Camera Lists Window.
- 3. The default configurations will be shown in the right window.
- 4. Update the Camera's IP status.



3-3. On the LAN without DHCP Server

- 1. Use IPEDIT.EXE to find the installed NET200.
- The NET200 without IP allocated by DHCP will have a default IP address of 169.254.xx.xx.
- Select this NET200 in the Camera Lists Window.
- 4. The default configurations will be shown In the right window.

ALLEN	Name:	ALLEN		
	IP:	192 . 168 . 1 . 216		
	Gateway:	192 . 168 . 1 . 254		
	Netmask:	255 , 255 , 255 , 0		
	HTTP Portl	80		
	HTTP Port2			
	MAC Code:	00:00:00:00:00:22		
Update Subm You can change camera name, IP addre 1) Select the Camera you want to mak 2) Change name, Gateway, IP address, 3) Frees Submit button or Enter	it ss, and Gatewa e change and Netmask (Exit ay Address: on right edit box		

- 1. Update the Camera Name (Fixed IP)
- 2. Update the Gateway Address (192.168.0.1).
- 3. Update the IP address of this NET200 (192.168.0.30).
- 4. Update the Network Mask (255.255.255.0).
- 5. 'Submit' it.

After the button 'Submit' is clicked, the IP information of this NET200 will be updated.

Access this NET200 by this IP address; on the Configuration -> Network, the Fixed IP address was assigned.

3-4. On the LAN use with the ADSL Router

If the NET200 was installed on the ADSL router, the NET200 will dynamically be allocated an IP address from the DHCP server. However, if the NET200 wants to be accessed from the WAN, the NET200 IP address needs to be setup as fixed IP. It is the same for the Virtual Server function of ADSL router, which needs to be setup as well.

1. Setup the NET200 as Fixed IP, such as 192.168.0.49.

2. Enter the administrator page of +ADSL router. (Use sonnet ASDL router as an example).

- 3. Enter the Virtual Server Page.
 - A. Setup the mapping of HTTP Port (80) to 192.168.0.49.
 - B. Restart the ADSL router.

Then the NET200 can be accessed from WAN, by the ADSL WAN IP Address.

3-5. Access the NET200 by ordinary user login.

If the user accesses the NET200 by an ordinary user account, the NET200 would not allow the user to access the privileged functions. From the following screen, the Configuration is disabled.

4. Change password

From the following screen, the change password will be passwords setting

5. View Log

The user can check the log information of the NET200, including the Main Info, Appended Info, Operator IP, Operator MAC, and Time.

and Show and the Lord And	lesc.http://Cov?k.ndio	and and the		• (200 Mag *	第65小划手 🔮 × Nortox AntiFine 🔛
15/1	M	目見示 100	Eq. X STRUCKBORD (30) · to:	tool 3 Hermager 123	RATE MON
Central III	Battha	Geogle	forty (1/2003-02/	27/con mes/apod/ap	9993) Galaxy Spir
IP-BOX (IP200) Media Streaming	IP Camera Logs	(http://192.16	8.1.246)		
	Main Info	Appended Int	o Operator IP Operator MAC	Time	
Contraction of the second s	System Boot			11/1/2004 15:35	
Change Password	New client.		127.0.0.1	11/1/2004 16:35	
	New client		192.168.1.152 (00.50:BA:18.68:20	11/1/2004 16:35	
Camera Mischae	New client		192.168.1.176.00.07.40.08.B6.B1	11/1/2004 15:36	
Contraction of the local distance of the loc	Set user	Brea	192.168.1.152 00.58 BA:18:68.20	11/1/2004 16:37	
De la companya de la	Change resolution	3	192.168.1.152 (00:50:BA:18:68:20	11/1/2004 15:42	
(Net) Commission	Set Frequency	60	192.168.1.152 (00.50:BA:18.68:20	11/1/2004 15:42	
A	Change resolution	2	192.168.1.152 (00.50.BA:18:68:20	11/1/2004 15:48	
Delete a camera	New client		192.168.1.248 00.07 E9.61.11.3F	11/1/2004 15:54	
6	New client.		192.168.1.99 08:00:46:E5:61:BC	11/1/2004 16:7	
Snapshots	Change resolution	3	192 168 1 176 00 07 40 C6 85 B1	11/1/2004 17:23	
	Set user check	0	192.168.1.99 08:00:46:E5:61:BC	11/1/2004 18:14	
	Set Motion Detect	0	192.168.1.99 08:00.46 E5:61 BC	11/1/2004 18:16	
	Set email		192.168.1.99 08.00.46.E5.61.BC	11/1/2004 18:16	
	Set fip server		192.168 1.99 08:00:46:E5:61:BC	11/1/2004 18:16	
	New client		192 168 1 126 00 50 FC 00 00 22	11/2/2004 10:3	
	New client		192.168.1.106.00.05.5D.E1.BA.59	11/2/2004 10:23	
	New client.		192.168.1.101.00.30.18.20.33.6F	11/2/2004 11:24	

Select the "Camera Window" button to return to Camera mode.

6. Configuration

Only the administrator can select the "Configuration", the ordinary user account does not have this privilege to access this function.

The screen is the main menu for configuration setting, When the administrator selects the "Configuration" in the main window. Configuration

NET200 provides 7 types of configurations:

- n System Settings
- n Camera Control - Quality, Resolution, Splits settings
- n User
- To add / delete user, change password; enable/disable user check.
- Add User.
- Change Password.
- Delete User Account.

n Motion Detection

- Enable/Disable motion detection.
- Motion detected mail setting.
- Motion detected FTP setting.
- n Network NET200 Network connection setting.
 - DHCP setting the IP dynamically.
 - Fixed IP setting the IP manually.
 - Connect to ADSL by PPPoE.
- n AUDIO Audio Configure
- n DDNS DynDNS



6-1.System Setting

6-1-1. Camera Name

The camera name can be set on the "**Camera Name**" field, and select " change " to summit it.

6-1-2. Camera's time

Select "**NTP**" button Key in the Sever IP address Like: http://www.org.ntp.org Presses "adjust" to activate.

After NET200 get the time from NTP sever, it will update the Camera's time field.

Select "Input new time" button and click on "Synchronize with PC's time " Key in "mm/dd/yyyy" format into "Date "field, and "hh:mm:ss" by 24hours format into "Time " Filed, then select the "Adjust" button to adjust the time!

6-1-3. Web Server Port Number

The implementation supports 2 HTTP port settings. The HTTP "Port 1" is set to 80, the HTTP "Port 2" is set to 8080. The user can access the NET200 by

http://xx.xx.xx.xx/

or

Http port 1:		
Http port 2:		
🗖 Reboot immedia	tely.	
Change		

http://xx.xx.xx.8080/

to access the NET200

It is recommended to keep the HTTP "Port 1" as 80 to make sure the NET200 can be accessed by the default HTTP port setting access on the LAN. http://xx.xx.xx/

If multiple NET200s are installed on the LAN, also required to be accessed from the WAN, the HTTP "Port 2" can be changed as the virtual server port

mapping to support multiple NET200s. The following table lists example configurations.

NET200 IP	HTTP	HTTP	Virtual			
	port.1	port.2	Server	Port	Access NET200 on LAN	Access NET200 on WAN
			Setting			IP: 68.68.68.68
192.168.1.1	80	8080	8080	è	http://192.168.1.1	http://68.68.68.68:8080
			192.168	.1.1		
					http://192.168.1.1:8080	
192.168.1.2	80	8081	8080	è	http://192.168.1.2	http://68.68.68.68:8081
			192.168	.1.1		
					http://192.168.1.1:8081	
192.168.1.3	80	8082	8080	è	http://192.168.1.3	http://68.68.68.68:8082
			192.168	.1.1		
					http://192.168.1.1:8082	

6-2.Camera Control

On the IE Browser, right mouse click on the video to activate a pop-up menu. You can then change the camera settings accordingly.

6-2-1. Quality Setting

The NET200 provides 5 image quality settings. The user can select the Quality setting from the Quality list box.

- I Low
- l High
- I Medium
- I Low
- I Lowest



Note: The value in the list box displays the current setting of the current image. When you make a new selection, the value on the list box will be changed to the new image quality settings.

6-2-2. Resolution Setting

NET200 provides 5 resolutions,

I.	640 X 480	-Resolution- 🔽 Resolution
	0+0 / 400	-Resolution-
Ι	320 X 240	176*144
T	352 X 288	352*288
		320*240
Ι	176 X 144	640*480
I	160 X 120	160*120

User can select the desired new setting from the "Resolution" list box.

Note: The value in the list box displays the current setting of the current image. When you make a new selection, the value on the list box will be changed to the new image quality settings.

6-2-3. Frequency Setting

NET200 provide the Frequency setting for

- I Outdoor
- I Indoor & 50
- I Indoor & 60

-Frequency- 💌	Frequency
-Frequency-	
Outdoor	
Indoor&50	
Indoor&60	

-Advanced- 💌 - STD +

Advanced-

Brightness Contrast

Saturation Hue

Sharpness

6-2-4. Camera Advanced Adjust

NET200 provide the advanced setting for

- I Brightness
- I Contrast
- I Saturation
- I Hue
- I Sharpness

To control the camera, use the "+" to increase, "-" to decrease it, or "STD" to return to default value.

6-2-5. Split Setting

The NET200 provides 4 settings for split windows. It can display different time frame images of the selected NET200. The time string with green characters is

the current displayed image.

4 types of Split window,

1 x 1 (Default)
2 x 2
3 x 3
4 x 4

Spli	its			
•	0	C	0	

Note: The images on the split window are on the same camera, but with different time. It is useful on the low frame rate condition, and then user can check the images that are the recently got.

6-2-6. Operation Mode

Continuous Mode: The NET200 will always try to capture the image as fast as possible. This is the default setting.

Periodic Mode: ms (mill-second) or s (second) can be set. The value set here must be greater than 0.

Operation	Aode	
C Continuo	us	
• Periodic	60	msec 💌

Setting the periodic mode to 5 seconds will update the image every 5 seconds. The time interval can be checked by the time displayed on the image.

6-3. User Management

6-3-1. Current User

If you are logging in for the first-time, the user name in the "Current User" section should display "administrator".

PBox - Marstoult Internet Explorer				_ 0
植荚形 编辑图 檢視图 素的到	(景(A) 工具(D) 説明(B)			
>±-# • → • 🕥 🗄 🚳	324 DANAR (742 3 D			
電池(D) 🕘 http://219.80.63.51/Ctil/tades	chtm?Cm?kulio	▼ 2045至 連結	» 網站小起手 🍓 - Norton AntiVi	irez 🛄
msn ^M •	☑ ▶録章 - ╱醒日提示 //谜砌 文封師内閣	観簾 (13) • 🔟 Hotmeil 🍇 Messeager 👔	Ren Min	
IP-BOX (IP200) Media Streaming	User Management (http://219.80.63.51)			
	User authorization required:			
System	Set Set			
User				
Motion Detect	Add a user or change password. Usemame:			
Network	Password			
Audio	Confirm SetChaure			
DDns				
DynDns	Delete user.			
IPCamServer IPCam0DNS	Usemame: administrator -			
Camera Winslow	Current users list:			
	1: administrator			
Firmware version: 1.8.51.0RIP				
On line firmware update				
			A : A ARLANK	

6-3-2. Account Management

User authorization required:

Checking the "Enable use check" check box will enable the user check when the users want to access the NET200. The Login window will prompt for the User name and Password.

If the check box is not checked, then the user check will not be enabled. All users can access the NET200 directly, with the administrator's permission. A Login window is not required.

Note: Before you select "Enable user check" check button, please remember to change the administrator password.

Add a user or change password:

Enter a new user name and password information to create a new user account, or enter an existing user account, then set a new password to replace the old password.

Confirm by clicking on the [Change/Create] button to create the account or change password.

After submitting, the "Current User List:" would display the newly created user account. In this example: "newuser".

6-3-3. Delete Account

Select the user account from the "Username" list box.

Click the [Delete] button to delete the selected user account. A confirmation window will prompt the user to select "OK" or "Cancel".

After selecting the "OK" button, the selected user account will be deleted from the "Current User List". In this example, the "newuser" account will be removed.

2. Setup the "SMTP Mail Server" and e-Mail address. (password use or not)

6-4-3. Motion detected mail function (mail setting)

3. Enter the sender's email address in "Sender" field and the recipient's email address in the "Receiver" field.

When motion detection is enabled, the user can setup the mail function to send the motion-detected images to the preset mail address. The procedures are as

4. The user can change the "Subject" field.

1. Motion Detect set to "Enable" state.

5. If the mail server needs authentication, check the "Password" check box.

If the check box is not checked, the motion detection send mail function will not be

Enter the "Sensitivity "button for select "High" or "Middle " and "Low " mode.

6-4-2. Set detection Area

enabled.

follow:

When motion detection enabling, the user can selected the red line area for security, the mail function will send the motion-detected images to the preset mail address

Mail server Username CC email Bcc email

Mail Setting (for sending images detected) Password Sender email Receiver email

IP Camera Warning Subject Interval(ms) Send mail when motion detected

6-4-1. Motion Detection Enabling / Disabling

Check the "Enable motion detection" check box to activate the motion detection.

6-4. Motion Detection

Motion Detect C Enable C Disable Sensitivity High 👻 Also, enter the password; otherwise the "Password" field does not need to be filled in.

- 6. Check the "Send mail when motion detected" check box to enable the operation. If the check box is not checked, the motion detected send mail function will not be enabled.
- 7. Confirm by selecting [Send Setting] option to save the settings.

Note:

If all of the items are enabled resulting in a motion event detection, the NET200 will send the motion-detected images to the preset email address. The maximum number of images allowed is 6 images per mail.

6-4-4. Motion detected mail

The received mail will be displayed in a motion picture form. It can also be displayed as separated images with a selection of the circle button on the left side of the Image Viewer.



6-4-5. Motion detected message on the main window.

When the motion detection function is enabled, and a motion detected, a message will be displayed at the bottom.

Motion detection disabled or Motion detection enabled

6-4-6. FTP uploads when motion detected.

The motion-detected images can also be uploaded to FTP server. The procedures are as follow:

- 1. Enter the IP address or domain name of the "FTP Server".
- 2. Enter the "Username" and "Password" of the FTP server.
- 3. Certain FTP servers need an "Account" field. Leave it blank if it is not needed.

- 4. Enter the "Remote folder" upload path information for saving the images.
- 5. Confirm by selecting the [Send Setting] option to save the settings.

6-5. Network Setup

6-5-1. Manual Setting

For fixed IP address users:

On the network environment, the administrator can assign a unique IP address to each NET200.

IP Assignment (To take effect, system must reboot.)
Lan:
Manually
IP address
Subnet mask
Default gateway
C Automatically by DHCP

The procedures are as follow:

- 1. Check the "Manually" radio button.
- 2. Enter the "IP Address", "Network Mask (Subnet mask)", "Default gateway", and the "DNS1", "DNS2", as well as 'DNS3" in formations.
- 3. Select "Reboot immediately" to reboot the NET200 to allow these settings to take effect.

DHCP

The "DHCP" is automatically set as the default network setting of NET200. When an NET200 is joined into the LAN, it will issue the DHCP packets to request an IP address that is dynamically assigned by the DHCP server. If it is unable to get a DHCP address on a limited tries, the NET200 will assign a default IP address such as "169.254.xx.xx".

6-5-2. Connect to ADSL by PPPoE mode.

The NET200 can directly connect to the ADSL. However, it should be setup on the LAN environment to setup the PPPoE information before connecting to the

ADSL modem. Power on the NET200 and it will dial in to the ISP connection to the WAN via the ADSL modem.

The procedures are as follow:

- 1. Connect to the LAN by DHCP or Fixed IP
- 2. Access the NET200 and enter [Configuration] è [Network Setup]
- 3. PPPoE Configuration
- 4. select the "Dial on power Up" check box.
- 5. If the ADSL Modem and NET200 are connected on a hub and after the PPPoE in formations are entered, you can then select the "Save and Dial Now" option to do the PPPoE dial.
- 6. Enter the "User" and "Password" fields with the account and password provided by the ISP. If the "Mail after dialed" check box is checked, the mail will be automatically sent when connected automatically to the ISP.
- 7. If the mail server needs authentication, the "Password" check box needs to be checked and password information, entered.
- 8. Enter the sender's email address in the "Sender email" field and recipient's email address in the "Receiver email" field.
- 9. The "Subject" field can be modified.
- 10. Confirm by clicking on the "Save" button to save the settings.

If the NET200 and ADSL modem are connected by a hub, the administrator can select "Dial Now" to perform the connect operation. On the contrary, if the NET200 and ADSL modem are connected directly, then there is a need:

 Save & Dial Now

 Dial On Power Up

 Username

 Password

 Send mail after dialed.

 Mail server

 Username on mail server

 Password

 Sender email

 Receiver email

 CC email

 Bcc email

 Subject
 IP Cancea PPP Dialed!

 Save

- n To power off the NET200,
- n To connect to the ADSL modem,
- n To power-up the NET200,
- n For the NET200 to start dialing.
- n Once connected, mail the IP address information to the preset e-mail address.
- n After 10 times of failed try connections, it aborts the dialing operation and the administrator can reconnect it to the LAN, access it, to find the cause.

Note:

If the PPPoE option "Mail after dialed" is selected, and when PPPoE dials in to the ISP, a mail that contains the Dial Up ISP Address / Netmask / Gateway address / DNS Server address will be mailed to preset the e-Mail address.

6-6.AUDIO Setup

6-6-1	Audio	Configure
	/ (aaio	Connigato

For fixed Audio option users:

check the "Audio format " check box to select "PCM" or "Adpcm"

	gare (mp.//210.00	1.65.51)	W Dack 16 camera Windsw
Client Configu	ire		
	Audio Format: (• Pcm	C Adpom
	Audio On/Off: (O On	• Off
Server Config	ure		
	Audio On/Off: (• on (C off

If the check box is not checked, default setting will be "PCM"!

Check the "Audio On/Off " button for select "On" or "Off "mode for audio enabled.

7.Delete a Camera

NET200 can support view of multiple IP-Cams or NET200, you can add a new one into this WebPage by input such as http://192.168.0.50/ on the *Watching* field. Also a viewed new camera can be removed by select this NET200, then press *"Delete a camera"* to remove it from the WebPage.

8.Snapshots

The user can capture single pictures by this button.

9.Image Recording

9-1. Save as JPEG

- 1. Select "Image Recording..."
- 2. The "Image Recording" pop-up window displays. Check the "Save as

JPEG" check box option.

- 3. Enter the "*Download Number*" to save the desired number of images, or "*Download No Limit*" to save the images continuously, until the "*Stop Image Recording*" is selected.
- Click on the "Save As" button and a pop-up window displays to select the save path and file name prefix. Select "Save" to continue.
- Click on the "Start" button to perform the image download process and save the JPEG files into the local PC.

View	•
Splits	×
Rotate	×
Resolution	+
Quality	•
Image Recording(F11)	
Save Current Picture As(F12)	
Welcome! administrator	
About	

🔽 Save as J	PEG	🔽 Save as AVI	
JPEG No Limit			
C Number	100		1
C Size	1000	KBytes	-
C Time	10	Seconds	
Save Path	C:\Docu	ments and Settings\Ivy\桌面	SaveAs
Pre Name	webcam	12	
	20		
No Limit		Frame Rate	
C Number	500	Frames 🔽 Auto	6
C Size	100	KBytes Save interval	1
C Time	10	Seconds	1 <u> </u>
Maximum Nun	nber of Fran	ne in Each File 500	
	lave.	ments and Settings\\vu\占面	SaveAs
Save Path	U:\Docu	monto and octungo any ofera	

Note:

- n During the downloading and saving process, a yellow mark will be displayed on the right-down position to indicate the saving process.
- n Before the "Download Number" of images is reached, or if you may have selected "Download No Limit", click on "Stop Image Recording" to stop the image recording process.

After the "Stop Image Recording", list the files on the selected saved directory. These files are named

As file_name_prefixed_yyyy_mm_dd_hh_mm_ss_ms.jpg

9-2. Save as AVI

- 1. Select "Image Recording..."
- 2. The "Image Recording" pop-up window displays. Check the "<u>Save as</u> <u>JPEG</u>" check box option.
- 3. Enter the "Time", "Number" or "Size" on each AVI file, until the "Stop

Image Recording" is selected. "*Frame Rate*" is the frame rate setting of the recorded AVI file.

- 4. Selecting the "No Limit" radio button will save the video file until the "*Stop Image Recording*" is selected.
- 5. For each AVI file, the maximum number of images that can be saved in each file are specified in *"Max Jpeg Num"* Once the images that can be saved on each AVI file are reached by this number, a new AVI file will be created to save the remaining images, until the "*Stop Image Recording*" is selected.
- Click on the "Save As" button and a pop-up window displays to select the save path and file name prefix. Select "Save" to continue.

View	•
Splits	•
Rotate	×
Resolution	•
Quality	•
Image Recording(F11)	
Save Current Picture As(F12)	
Welcome! administrator	
About	

- Select				
Save as .	IPEG	I ∨ Sa	ive as AVI	
JPEG No Limit				
C Number	100	Frames	Save interval	1
C Size	1000	KBytes		
C Time	10	Seconds		
Save Path	C:\Docu	ments and Setti	ngs\lvy\桌面	SaveA
Pre Name	webcam			
1000				
- AVI				
C No. Link				
 No Limit Number 	500	 Frames	Frame Rate V Auto	6
 No Limit Number Size 	500 100	Frames KBytes	Frame Rate	6
 No Limit Number Size Time 	500 100 10	Frames KBytes Seconds	Frame Rate V Auto Save interval	6 1
No Limit Number Size Time Maximum Nur	500 100 10 nber of Fran	Frames KBytes Seconds e in Each File	Frame Rate F Auto Save interval	6
No Limit Number Size Time Maximum Nur Save Path	500 100 10 nber of Fran C:\Docu	Frames KBytes Seconds ne in Each File ments and Settii	Frame Rate ✓ Auto Save interval 500 ngs\lvy\桌面	6 1 SaveA:

Note:

- n During the AVI file recording, a red icon displays on right-down position of the image to indicate the AVI saving process.
- n After the "Stop Image Recording", list the files on the selected saved directory. These files are named as filename_prefix_date_time.avi.
- n The AVI files can be played by any standard Windows Media Player program, but they require the DixectX 8.1 or higher version software driver to be installed.

9-3. Save Current Picture As...

 Click on the "Save Current Picture As ... " option to save the current image display into the local PC.

View	•
Splits	•
Rotate	•
Resolution	•
Quality	•
Image Recording(F11)	
Save Current Picture As(F1)	2)
Welcome! administrator	
About	

2. Enter the name you wish to save as into the "File name" field. Click on "Save".

10.Hardware Reset

The NET200 provides a hardware reset button when ever you need to reset the NET200 due to



Loss of administrator password Incorrect network configuration

To reset the NET200

- Make sure the NET200 is on.
- There is a small reset hole at the side of the NET200
- Insert an object to depress the reset button inside the hole
- Depress the reset button for 10 seconds and the NET200 will automatically reset itself back to the default factory setting.

11. Accessing the NET200 over the Internet

If your home or business LAN is connected to the Internet through a high speed (broadband) Internet connection, with at least 128 kbps upload bandwidth, you can access your cameras via the web browser from anywhere on the Internet. To do this you would need to:

- 1. Know your WAN (Internet) IP address. This is the IP address that your Internet Service Provider provides you to access the Internet. It may be static (always the same) or dynamic (can change from time to time).
- Make sure the two ports used by the camera (80 & 1600) are forwarded 2. by your router or gateway to the camera.
- Make sure your camera default gateway is set to the LAN (local) IP 3. address of your router/gateway.



11-1. WAN IP Address

The WAN (Wide Area Network) IP address that your Internet Service Provider provides you so that you can access the Internet is very different from the LAN or local IP address that your PCs and cameras are using to connect to your local network. Your WAN or Internet IP address is visible to the outside world (Internet) whereas your local addresses are not. To find your home or business network from the Internet you must know your WAN IP address.

Your WAN IP address is stored by your gateway router, which uses it to connect to the Internet. All the devices on your network connect to the Internet via your gateway router. You can find your current WAN IP address by checking your router status page. There are also various websites such as www.whatismyip.com which, will tell you the IP address that you are currently using to access the Internet.

A word about terminology

The term gateway is used generically to define a device that connects a local network to the Internet. A gateway may be a router, a PC running software, which allows it to act as a gateway such as a proxy server, or some other device. Most home networks use a NAT (Network Address Translation) router as a gateway. The term gateway router refers to such a device.

Static versus Dynamic IP address

The IP address (or addresses) your ISP has (have) provided you will either be static, which means it never changes, or dynamic, meaning it can change periodically. Dynamic addresses present an additional challenge when trying to locate your network from the Internet since your address may have changed since the last time you checked it. How often your dynamic address changes varies from one service provider to another. Also, any time you reboot your cable or DSL modem, you are likely to get a new address when reconnecting. The solution to the ever-changing IP address is known as DDNS or dynamic domain name service. A DDNS will allow you to find your network by a domain name, such as mynetcam.no-ip.com, rather than needing to know the IP address.

11-2. Network Address Translation (NAT)

Most home routers and business firewalls today perform something called NAT or Network Address Translation. NAT translates your external or WAN IP address into an internal address inside your gateway router. What this means is, you can think of your router as being divided into two halves, the LAN side (inside) and the WAN side (outside or Internet side). When a connection request arrives at your router from the Internet, it will not get any farther than the WAN side unless you have specifically instructed your router to pass this type of request to a specific device on your LAN. This process is know as port forwarding or port redirecting.

11-3. Port Forwarding

All TCP/IP (Internet) networking uses software ports. Ports can be thought of as channels on your television. By default, all web page traffic is on channel (port) 80. By default, the NET200 uses port 80 to deliver its web page to your browser and port 1600 to send video. Therefore, both of these *channels* (ports) must be open (not blocked by your router/firewall) to incoming traffic in order for you to connect to the camera from the Internet.

Also, these two ports must be forwarded or redirected to the camera's LAN IP address by your gateway router. Your router's setup software should provide a utility for port forwarding or redirecting. Router configuration contains setup help for some popular home networking gateway routers currently on the market.

Note: Forwarding ports to your camera does not pose any additional security risk to your LAN. Before setting up port forwarding, it is best to configure your camera to use a static LAN IP since your port forwarding setup will need to be updated if the camera's LAN IP address changes.

11-4. Default Gateway

Devices (PCs, cameras, etc.) on your network connect to the Internet via a gateway. For most home networks, a NAT type router serves as the gateway. For business LANs, the gateway may be a PC running gateway software. In order for any device on your network to get connected to the Internet, it must know the LAN IP address of your gateway. If your camera is set up to use DHCP, then it will retrieve this information automatically from your router.

However, if you have configured your camera to use a static IP address, you must also be sure that you have set the correct gateway IP address in order to connect your camera to the Internet. You camera is now live on the Internet. Browsing your camera from the Internet is the same as browsing on your LAN except that you must enter your WAN IP address instead of the LAN IP address.

12. Network Utilities

Microsoft Windows includes various network information utilities to determine various network configurations. To determine your IP address and network settings, follow the steps below, depending on your operating system.

12-1. Determining your IP Address and Network Settings

Windows 98/Me:

- 1. Click on Start è Run and type in: command and then press ENTER
- 2. In the MS- DOS window, type in: winipcfg and then press ENTER
- 3. This will display your network card's Adapter Address, IP Address, Subnet Mask, and Default Gateway.

More information regarding **WINIPCFG** can be obtained by typing in: winipcfg /? at the MS -DOS prompt.

WINIPCFG is located in the C: \Windows folder.

Windows 2000/XP:

1. Click on Start è Run and type in: command and then press ENTER

2. In the MS- DOS window, type in: **ipconfig** and then press ENTER

3. This will display your network card's IP Address, Subnet Mask, and Default Gateway.

More information regarding **IPCONFIG** can be obtained by typing in: ipconfig /? at the MS - DOS prompt.

IPCONFIG is located in the C: \Windows \System32 folder.



12-2. Using PING

PING is a very useful utility for checking to see if a camera is responding or checking to see if an IP address is available. In Windows 98/Me, PING is located in C: \Windows. In Windows 2000/XP, PING is located in C: \Windows \System32.

Windows 98/Me/2000/XP:

- 1. Click on Start ->Run and type in: **command** and then press ENTER
- In the MS- DOS window, type in: ping XXX.XXX.XXX.XXX and then press ENTER (where XXX.XXX.XXX.XXX is your IP address) For example, if your Camera uses the IP address of 123.123.123.1, you would type in: ping 123.123.123.1
- 3. If there is a camera, or a PC or other network device online and using this address you will see:

Pinging 123.123.123.1 with 32 bytes of data:

Reply from 123.123.123.1: bytes=32 time<1ms TTL=128 Reply from 123.123.123.1: bytes=32 time<1ms TTL=128 Reply from 123.123.123.1: bytes=32 time<1ms TTL=128 Reply from 123.123.123.1: bytes=32 time<1ms TTL=128

Ping statistics for 123.123.123.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 0ms, Average = 0ms

If there is NO response on this address you'll see

Pinging 123.123.123.1 with 32 bytes of data: Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 123.123.123.1: Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

This indicates that the address is available for use. However, there could still be a device that is currently offline, which is configured to use the address. To

be certain, make sure all your network devices are on and connected to your network when checking for address availability.

12-3. IPEdit

IPEDIT.EXE is used to scan the Installed NET200s and set the Camera Name and IP Address.

13. Router Configuration

The following section describes the initial configuration of the router and port forwarding for some of the most common routers from 3Com, Belkin, D-Link, Linksys, Microsoft, NETGEAR, Proxim, Siemens, and SMC.

In order to access the OTC IP-Camera/Wireless IP-Camera from the Internet, you'll need to configure your router to use ports 80 and 1600 (default settings). Port 80 is used for accessing the camera's homepage and Port 1600 is used for authentication and video streaming. If your Internet Service Provider blocks ports 80/1600, you'll need to reconfigure your camera and router to other ports such as 81/1601, 82/1602, etc. To change the port settings on the camera, you'll need to use the IP-Cam Setup Utility [Refer to Chapter 5: IP-Cam Setup Utility].

Follow the steps below to configure your router, depending on the router manufacturer and model. If your particular router manufacturer or model is not listed below, please contact your router manufacturer for further assistance in configuring the router.

3Com (http://www.3com.com)

OfficeConnect Cable/DSL Gateway - [3C857-US] OfficeConnect Wireless Cable/DSL Gateway - [3CRWE52196]

- 1. Log into your router.
- 2. On the main page, select Firewalls on the left side of the page.
- 3. Select the Virtual Servers tab at the top of the page.
- 4. Click New on the right side of the page to open the Virtual Server Settings dialog box.
- 5. Type in the camera's IP Address in the Server IP Address text box. (Look on the NET200 's IP Address LCD Display for the last 3 digits of the

camera's IP Address.)

- 6. Under Local Service, select Custom.
- 7. Under Custom Service Name, type in: NET200.
- 8. Under Specify Custom Service Ports, type in: 80, 1600.
- 9. Click Add to save the settings. The NET200 should now be configured to work with your router and be accessible from the Internet.

Belkin (http://www.belkin.com)

Wireless Cable/DSL Gateway Router - [F5D6230-3]

- 1. Log into your router.
- 2. On the main page, select Virtual Server on the left side of the page under the Security section.
- 3. Enter the following information on the page:

Line #1:

Private IP:	Type in the camera's IP address.
Private Port:	80
Туре:	ТСР
Public Port:	80

Line #2:

Private IP:	Type in the camera's IP address.
Private Port:	1600
Туре:	ТСР
Public Port:	1600

4. Click Enter to save the settings. The NET200 should now be configured to work with your router and be accessible from the Internet.

54g Wireless DSL/Cable Gateway Router - [F5D7230 -4]

- 1. Log into your router.
- 2. On the main page, select Firewall on the left side of the page.
- 3. Under Firewall, select Virtual Servers.
- 4. Enter the following information on the page:

Line #1:

Private IP:	Type in the camera's IP address.
Private Port:	80
Туре:	ТСР
Public Port:	80

Line #2:

Private IP:	Type in the camera's IP address.
Private Port:	1600
Туре:	ТСР
Public Port:	1600

5. Click Apply changes to save the settings. The NET200 should now be configured to work with your router and be accessible from the Internet.

D-Link (http://www.dlink.com) DI -604/DI-614+/DI-624

- 1. Log into your router.
- 2. On the main page, click on Advanced at the top of the page.
- 3. On the left side of the page, click on Virtual Server. Note: Make sure DMZ host is disabled. If DMZ is enabled, it will disable all Virtual Server entries.
- 4. Enter the following information on the page:

Enabled/Disabled: Enabled

Name:	OTCWeb
Private IP:	Type in the camera's IP address, for example: 192.168.0.3
Protocol Type:	TCP
Private Port:	80
Public Port:	80
Schedule:	Always

- 5. Click Apply to save the settings.
- 6. Enter the following information on the page:

Enabled/Disabled: Enabled Name: NET200

Private IP:	Type in the camera's IP address, for example: 192.168.0.3
Protocol Type:	TCP
Private Port:	1600
Public Port:	1600
Schedule:	Always

7. Click Apply to save the settings. The NET200 should now be configured to work with your router and be accessible from the Internet.

For ID #1:								
Service Port:	80							
Server IP:	Туре	in	the	camera's	IP	address,	for	example:
192.168.0.3								
Enabled/Disabled:	Enabl	ed						
For ID #2:								
Service Port:	1600							
Server IP:	Туре	in	the	camera's	IP	address,	for	example:
192.168.0.3								
Enabled/Disabled:	Enabl	ed						

4. Save your settings. The NET200 should now be configured to work with your router and be accessible from the Internet.

DI-714

- 1. Log into your router.
- 2. On the main page, click on Advanced Settings at the top of the page.
- 3. Click on Virtual Server Settings on the left side of the page.
- 4. Enter the camera's IP address into the Internal IP field. Under Service, select All and then click Submit to save your settings. The NET200 should now be configured to work with your router and be accessible from the Internet.

DI-714P+

- 1. Log into your router.
- 2. On the main page, click on Advanced at the top of the page.

- 3. On the left side of the page, click Virtual Server.
- 4. Enter the following information on the page:

For ID #1: Service Port: 80 Server IP: Type in the camera's IP address, for example: 192.168.0.3 Enabled/Disabled: Enabled For ID #2: Service Port: 1600 Server IP: Type in the camera's IP address, for example: 192.168.0.3 Enabled/Disabled: Enabled

 Click Apply to save your settings. The NET200 should now be configured to work with your router and be accessible from the Internet.
 Linksys (http://www.linksys.com)

EtherFast Cable/DSL Router - [BEFSR41] Instant Broadband EtherFast Cable/DSL Firewall Router with 4-Port Switch/VPN EndPoint –

[BEFSX41]

Wireless Access Point Router with 4-Port Switch - Version 2 - [BEFW11S4]

- 1. Log into your router.
- 2. On the router's main page, click on Advanced at the top of the page.
- 3. On the next page, click on Forwarding.
- 4. Enter the following information on the page:

Line #1: Customized Applications: OTCWeb

	Ext. Port:	80 to	80						
	Protocol:	TCP							
	IP Address:	Туре	in	the	camera's	IP	address,	for	example:
192	.168.1.101								
	Enable:	Check	ked	in					

Line #2: Customized Applications: NET200

Ext. Port: 1600 to 1600 Protocol: TCP IP Address: Type in the camera's IP address, for example: 192.168.1.101 Enable: Checked in

5. Click on Apply to save the settings. The NET200 should now be configured to work with your router and be accessible from the Internet.

NET200 Installation Method 1:

Internet Access Mode:	Leased Line, ADSL or Cable Modem
Real IP Address:	A few Static IP addresses required
IP Sharing or LAN Hub:	A Normal LAN switch or hub
NET200 Network Setup:	LAN Enable / Manually
User:	User that have installed multiple NET200 with
	multiple Static IP addresses



- u Connect the given RED cable to your NET200 and PC, and use the IPEDIT in the CD-ROM to set up the NET200
- u Please refer to Page 3 for IP address setting.
- u Assign individual NET200 with a Static IP address.
- For remote viewing of NET200: launch IE browser and enter the Static IP address of the respective NET200. e.g. <u>http://230.80.86.02</u>

Internet Access Mode:	Leased Line, ADSL or Cable Modem
Real IP Address:	1 Static IP address required
IP Sharing or LAN Hub:	Enabled with DHCP function
NET200 Network Setup:	LAN Enable (Manually)
	Web Server Port Number (Setting required)
User:	1 Static IP address and multiple NET200 connected to
	the IP sharing switch or LAN Hub

NET200 Installation Method 2:



- Public IP of the IP sharing switch have to set to a Static IP address (e.g.: 230.80.86.01), allocate another Private IP address, enable the DHCP function of the IP sharing Hub
- u In each NET200 IP address settings, assign each with different virtual IP,

as well as different port number for the HTTP Port setting.

- For the setting of the Port switching of the IP sharing switch, please refer to the NET200's IP address and the Port sequence synchronization setting.
- For remote viewing of NET200: launch IE browser and enter the IP address of the IP Sharing switch and the Port Number of the NET200, e.g.: http://230.80.86.01:81

Internet Access Mode:	Dial-up ADSL or Cable Modem
Real IP Address:	A dynamic IP address provided by the ISP
IP Sharing or LAN Hub:	Enable DHCP and NAT function
NET200 Network Setup:	LAN Enable (Manually)
	Web Server Port Number(setting required)
User:	ADSL dial-up user who installed multiple
	NET200 with a dynamic IP address

NET200 Installation Method 3:



Remote Desktop PC

- Activate PPPoE auto dial-up and connect to ADSL function of the IP sharing switch. Assign another Private IP address, enable the DHCP.
 Upon successful ADSL connection, a dynamic IP address will be allocated from the ISP
- u In each NET200 IP address settings, assign each with different virtual IP addresses, as well as different port number for the HTTP Port setting.
- For the setting of the Port switching in the IP sharing switch, please refer to the NET200's IP address and the Port sequence synchronization setting.
- For remote viewing of NET200: launch IE browser and enter the ADSL acquired dynamic IP address and the NET200's Port number, e.g.: http://230.80.86.01:81

Internet Access Mode:	Leased Line ADSL or Cable Modem
Real IP Address:	1 Static IP address required
IP Sharing or LAN Hub:	Not required
NET200 Network Setup:	LAN Enable (Manually)
	Web Server Port Number (Setting NOT
	required)
User:	Leased line ADSL user who installed 1
	NET200 with 1 Static IP address

NET200 Installation Method 4:



- u Check the IP address and the details of the remote NET200 from the ISP
- u Connect the given RED cable to your NET200 and PC, and use the IPEDIT in the CD-ROM to set up the NET200
- u Please refer to Page 3 for IP address setting.
- u For remote viewing of NET200 : launch IE browser and enter the NET200 Static IP e.g.: http://230.80.86.01

NET200 Installation Method 5:

Internet Access Mode:	Dial-up ADSL or Cable Modem
Real IP Address:	A dynamic IP address provided by the ISP
IP Sharing or LAN Hub:	Not required
NET200 Network Setup:	PPPoE function setting required
	LAN Enable / DHCP
	Web Server Port Number(Setting NOT
	required)
User:	ADSL dial-up user who install NET200

INTERNET INTERNET PPool function enable Camera

Remote Desktop PC

- u Check ADSL dial-up properties from the ISP
- u ISP details: ADSL User-id and password.

- u Connect the given RED cable to your NET200 and PC, and use the IPEDIT in the CD-ROM to set up the NET200
- u Please refer to Page 3 for IP address setting.
- Launch IE browser of the designated PC, go to Network Setup, PPPoE to fill in the User-id and the password
- u Click on Submit and wait for 5 seconds, disconnect the NET200 power supply and install the Dial up ADSL Modem
- For remote viewing of NET200 : launch IE browser and enter the Static IP address, e.g.: http://230.80.86.01

Internet Access Mode:	Dial-up ADSL or Cable Modem
Real IP Address:	A set of dynamic IP addresses provided by the
	ISP
IP Sharing or LAN Hub:	Must come with DHCP and NAT function
NET200 Network Setup:	LAN Enable (Manually)
	Web Server Port Number (Setting required)
User:	1 Static IP address and multiple NET200
	installed

NET200: Installation Method 6:



- u Check ADSL dial-up properties from the ISP, ISP details: ADSL User-id and password.
- u Connect the given RED cable to your NET200 and PC, and use the

IPEDIT in the CD-ROM to set up the NET200

- u Please refer to Page 3 for IP address setting.
- u Launch IE browser of the designated PC, go to Network Setup, PPPoE to fill in the User-id and the password
- U Click on Submit and wait for 5 seconds, disconnect the NET200 power supply and install the Dial up ADSL Modem
- u Run 'IPEDIT' and locate the NET200's IP address assigned by the ISP
- u Launch IE browser and enter the Static IP address of the NET200, e.g.: http://230.80.86.01
- Follow the sequence settings for each NET200 u

Internet Access Mode:	Leased Line, ADSL or Cable Modem
Real IP Address:	1 Static IP address required
IP Sharing or LAN Hub:	Must come with DHCP and NAT function
NET200 Network Setup:	LAN Enable (Manually)
	Web Server Port Number (Setting required)
User:	1 Static IP address and multiple NET200
	installed

NET200 Installation Method 7:



Remote Desktop PC

IP-Cam Installation Method 8:

Internet Access Mode:	Leased Line ADSL or Cable Modem
Real IP Address:	1 Static IP address required
IP Sharing or LAN Hub:	Enable DHCP and NAT function
NET200 Network Setup:	LAN Enable (Manually)
	Web Server Port Number (Setting required)
User:	1 Static IP address and multiple NET200s
	installed to the multiple IP sharing switch



- Public IP of the IP sharing switch have to set to a Static IP address (e.g.: 230.80.86.01), allocate another Private IP address, enable the DHCP function of the IP sharing Hub
- u In each NET200 IP address settings, assign with different virtual IP, as well as different port numbers for the Http Port setting.
- For the setting of the Port switching of the IP sharing switch, please refer to the NET200's IP address and the Port sequence synchronization setting.
- u For remote viewing of NET200 : launch IE browser and enter the IP

address of the IP Sharing switch and the Port Number of the NET200, e.g.: http://230.80.86.01:81

NET200 Installation Method 9:

Internet Access Mode:	Dial-up ADSL or Cable Modem
Real IP Address:	A dynamic IP address provided by the ISP
IP Sharing or LAN Hub:	Must come with DHCP and NAT function
NET200 Network Setup:	LAN Enable (Manually)
	Web Server Port Number (Setting required)
User:	1 NET200 installed with a dynamic IP address,
	(PPPoE+2 LAN Cards +NAT+DHCP)



- u Check ADSL dial-up properties from the ISP
- u ISP details: ADSL User-id and password.
- u Connect the given RED cable to your NET200 and PC Network card (Lan Card 2)
- u Use the IPEDIT in the CD-ROM to set up the NET200
- u Please refer to Page 3 for IP address setting.
- Launch IE browser of the remote designated PC, go to Network Setup,
 PPPoE ADV to fill in the User-id and the password
- u Click on Submit and wait for 5 seconds, disconnect the NET200 power supply and install the Dial up ADSL Modem

- u Synchronization NAT server Port Number to the NET200 Port number
- Launch IE browser and enter the Dynamic IP address of the NET200, e.g.: http://230.80.86.01

Internet Access Mode:	Leased Line ADSL or Cable Modem
Real IP Address:	1 Static IP address required
IP Sharing or LAN Hub:	Must come with DHCP and NAT function
NET200 Network Setup:	LAN Enable (Manually)
	Web Server Port Number (Setting required)
User:	1 NET200 installed with a Static IP address,
	(LAN Card+NAT+DHCP)

NET200 Installation Method 10:



- u Check ADSL dial-up properties from the ISP
- u ISP details: ADSL User-id and password.
- u Connect the given RED cable to your NET200 and PC Network card (Lan Card 2)
- u Use the IPEDIT in the CD-ROM to set up the NET200
- u Launch IE browser of the remote designated PC, go to Network Setup, PPPoE ADV to fill in the User-id and the password
- u Click on Submit and wait for 5 seconds, disconnect the NET200 power

supply and install the Dial up ADSL Modem

- u Synchronization NAT server Port Number to the NET200 Port number
- Launch IE browser and enter the Dynamic IP address of the NET200, e.g.: <u>http://230.80.86.01</u>