AVI201 / 202 / 203 / 212 Network Cameras User's Manual



Please read instructions thoroughly before operation and retain it for future reference. The image shown above may differ from the actual product appearance.

IMPORTANT SAFEGUARD



CAUTION



RISK OF ELECTRIC SHOCK

CAUTION:

To reduce the risk of electric shock, do not expose this apparatus to rain or moisture. Only operate this apparatus from the type of power source indicated on the label. The company shall not be liable for any damages arising out of any improper use, even if we have been advised of the possibility of such damages.

Graphic Symbol Explanation



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly "lead-free" and without the hazardous substances cited in the directive.



The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste. Contact your local dealer for procedures for recycling this equipment.



This apparatus is manufactured to comply with the radio interference requirements.

Disclaimer

We reserve the right to revise or remove any content in this manual at any time. We do not warrant or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of this manual. The content of this manual is subject to change without notice.

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Version

Firmware: 1012-1005-1005-1000 Video Viewer AP Software: 0078

TABLE OF CONTENTS

1. PRODUCT OVERVIEW	1
1.1 Description	1
1.2 Features	1
1.3 Package Contents	1
1.4 Specifications*	2
2. HARDWARE OVERVIEW	
2.1 Rear Panel	
2.2 Upper Side & Underside	
3. INSTALLATION	
3.1 Install the Hardware	4
3.2 Assign an IP address and Access the Camera	6
4. VIDEO VIEWER BASIC OPERATION	7
4.1 The Live View Page	7
4.2 Address Book	
4.3 Emap	9
4.4 Manual Record	11
4.5 Playback	
4.6 Snapshot	
4.7 Information	
5. VIDEO VIEWER MISCELLANEOUS CONTROL PANEL	
5.1 Color Setting	
5.2 Backup (For DVR only)	
5.3 Record Setting	
5.4 Server Setting	
General	
Log	
Account	
Online User	
Trigger	21
Network	
DDNS	23
SNTP	
FTP	
MAIL	
Video	
5.5 Tools	
Firmware Upgrade	
Language Selection	
5.6 Status List	
Record	
Event	
Backup (For DVR only)	
Playback Screen	
6. IE WEB BROWSER	
6.1 Access the Camera from an IE Web Browser	
6.2 Toolbar Display on the IE Web Browser	
7. QUICKTIME PLAYER	
APPENDIX 1 RECORDING TIME TABLE	
APPENDIX 2 USER LEVEL FOR REMOTE OPERATION	
APPENDIX 3 DEFAULT VALUE	41

1. PRODUCT OVERVIEW

1.1 Description

This camera series is a network-based digital surveillance device with a built-in web server for the purpose of remote monitoring and recording. It supports TCP/IP networking for live video transmission in the format of H.264, MPEG4 or MJPEG, and you can easily operate the camera via the web browser or the supplied video viewer AP software. Video surveillance over IP network infrastructure is available and easy from anywhere, at anytime.



1.2 Features

- Low-latency video streaming for sharp and clear images
- Hybrid digital / analog video output
- Motion detection
- Complete IP surveillance system, such as the Central Management System (CMS) software, Network-Attached Storage (NAS), Network Video Recorder (NVR), etc.
- External microphone in / audio out for two-way voice communication (AVI202 / 203 / 212 only)
- Day/night functionality (AVI202 / 203 / 212 only)
- Alarm notification (AVI202 / 203 / 212 only)

1.3 Package Contents

Network camera
 Adapter and power cord (optional)
 Bracket
 RJ45 network cable (optional)

 Quick user guide
 CD-ROM disc for user manual & licensed software "Video Viewer"

1.4 Specifications*

SPECIFICATIONS	AVI201 AVI202 AVI203 AVI212										
Network					1						
LAN Port				YES							
LAN Speed			10/100 Ba	ased-T Ethernet							
Supported Protocols			DDNS, PPPoE, D ICMP, SMTP, F	HCP, NTP, SNTP, TCP/IP, FTP, HTTP, RTP, RTSP							
Frame Rate		NTSC:30, PAL:25									
Number of Online Users				10							
Security			Multiple user acce	ess levels with password							
Web management software			YES (Control up to 16 ne	twork cameras simultaneously	/)						
Video / Audio											
Video Compression		MPEG4	/ MJPEG	H.264 / MPEG4 / MJPEG	MPEG4 / MJPEG						
Video Remote Control				YES	1						
Video Adjustment			Brightness, Contr	ast, Saturation and Hue							
Audio Compression	N	10	_	uLaw , 128kbps							
Audio Input	N	10	Built-in	Microphone, External Microph	one Input						
Audio Output	NO YES										
Camera											
Image Sensor		1/3.6" im	age sensor	1/3" CCD image sensor	1/3.6" image sensor						
Pixels		738(H)	x 480(V)	NTSC: 512(H) x 492(V) / PAL: 512(H) x 582(V)	738(H) x 480(V)						
Lens	f3.6mm	f4.6mm	f3.6mm	f4.6mm	f3.6mm						
F-number		F	-2.0	F1.9 F2.							
Viewing Angle	80°	80°									
Shutter Speed		1 / 60 (1/50) to 1 / 100,000 sec.									
IR LED	N	10		YES							
Min Illumination	1 Lux	/ F2.0	1 Lux / F2.0; 0 Lux (10m IR ON)	0 Lux (11m IR ON)	1 Lux / F2.0; 0 Lux (10m IR ON)						
Video Output			1.0	Vp-p. 75Ω	·						
BLC				AUTO							
White Balance				ATW							
Others											
Remote Control				YES							
Motion Detection				YES							
Alarm and event Notification	N	10		mage upload over FTP and Er	nail						
General I/O	N	10		Alarm in x1							
Power	DC12V, 0.5A DC12V, 1A PoE (Power ov										
Operating Temperature	0~40 ℃										
Humidity	85%										
Minimum Web Browsing Requirements	 Pentium 256 MB F AGP grap Windows Internet F 	4 CPU 1.3 G RAM phics card, D XP, Window Explorer 6.x (Hz or higher, or equivalent Frect Draw, 32MB RAM /s 2000 Server, ME, 98, Dir or later	AMD rectX 9.0 or later							
Dimensions (L x W x H)**			152.5 x 115.2 x 40.2	mm (6.00" x 4.54" x 1.58")							
Shipping Weight		8	312g (1.79 lbs) including m	ounting bracket and power sup	oply						
Indoor / Outdoor Application				Indoor							

* The specifications are subject to change without notice.

** Dimensional tolerance: ± 5mm

• Dimensions: 152.5 (L) x 115.2 (W) x 40.2 (H) mm





2. HARDWARE OVERVIEW

2.1 Rear Panel





CONNECTOR / BUTTON	DESCRIPTION
Reset Default	This button is hidden in the pinhole. Press and hold the reset button until the network camera rebooted. This will reset all parameters, including the IP address to factory default settings.
Power Indicator	When the camera is power-supplied, this indicator will be on as red.
Audio Output (AVI202 / AVI203 / AVI212 only)	Support the connection to an audio device, such as a speaker, for voice transmission of the remote side.
Audio Input (AVI202 / AVI203 / AVI212 only)	Support the connection to an audio device, such as a microphone, for voice transmission of the local side.
Video Output	Connect to the video input connector of your monitor with a video cable (i.e. a RCA line with the BNC connector, or a coaxial line) for video output. * The video cable is optional.
LAN	Connect the camera to the network with the supplied RJ45 cable.
Power Connector	Connect the DC 12V adapter for power supply.
Alarm Connector (AVI202 / AVI203 / AVI212 only)	Support the connection to an alarm device for function scalability.

I

2.2 Upper Side & Underside





3. INSTALLATION

3.1 Install the Hardware

This camera can be installed in two ways: ceiling-mounted and desktop. During the installation, please make sure the upper side of the camera is always facing up, as shown in Figure 1 below, regardless of which installation way you're using. This is to ensure the video output won't be up side down.

Note: The illustrations below are based on the ceiling-mounted installation.

Note: For the detailed cable connection, please refer to the section "2.1 Rear Panel" on Page 3.

Tool needed: Power drill x 1 (not supplied within the sales package)

Prepare all the parts needed for camera installation.
 Find the network camera, bracket package, a bag of screws & wall plugs, and a cap supplied with the sales package, as shown in Figure 1.

Figure 1: Parts needed for camera installation

Unpack the bracket package to find the bracket disassembled into three parts: the base, stem and joint lock.

Amera Network Camera Image: Screw x 3 wall plug x 3 cap x 1

2. Fix the base of the bracket.

Fix the base of the bracket with the supplied 3 screws to the place you want to install by using a power drill.

Figure 2: Screw the base to the ceiling



- 3. Assemble the bracket:
 - a). Align the stem with the central hole of the base, and rotate it to secure, as shown in Figure 3.
 - b). Align the joint lock with the stem, and rotate it to secure, as shown in Figure 4.

Figure 3: Connect the stem to the base



4. Connect the camera to the bracket. *Ceiling-mounted:*

With the upper side of the camera facing up, align the mounting screw hole on the upper side with the screw thread of the joint lock, and rotate the camera to secure, as shown in Figure 4.

Desktop:

With the upper side of the camera facing up, align the mounting screw hole on the underside with the screw thread of the joint lock, and rotate the camera to secure.

Figure 4: Connect the camera to the bracket



5. Insert the cap to the other mounting screw hole of the camera.

Ceiling-mounted:

Insert the cap to the mounting screw hole on the underside of the camera, as shown in Figure 5. *Desktop:*

Insert the cap to the mounting screw hole on the upper side of the camera.

 Adjust the viewing angle of the camera, and fasten the joint lock to fix the angle. The installation is completed, as shown in Figure 6.

Figure 4: Connect the joint lock to the stem



Figure 5: Insert the cap to the camera



Figure 6: Finish the installation



3.2 Assign an IP address and Access the Camera

Step 1. Install the Software

Place the supplied Video Viewer AP software CD into your DVD- / CD-ROM drive. The installation process will automatically start. Follow the on-screen instructions to install the application programs. After installation, a "Video Viewer" shortcut icon will be shown on your PC desktop.

Step 2. Connect the network camera to the LAN access via a RJ-45 network cable.

Step 3. Search the available IP address to login

- a) Double-click "???" icon on your PC desktop to enter the Video Viewer control panel. By defaults, the "Address Book" ([]]) panel will be displayed on the right side of the Video Viewer control panel.
- b) Click " (Search) → " (Refresh) to search the available IP address(es). The found address(es) will be listed, and can be added into the address book by clicking " (Add into address book). For details, please see " (Search) on Page 9.
- c) Select the IP address you just added into the address book, and click "
- d) Double-click the IP address in the address book to log in.

Note: Your PC / laptop and DVR must be under the same domain to build an area network. Please change the IP address of your PC / laptop into 192.168.1.X (X can be the number between 1~255, except 10) to login. The default IP address of your DVR is 192.168.1.10, and the default username as well as the password is admin.

Note: For detailed network settings under different network types (Static IP / PPPOE / DHCP), please refer to "Network" on Page 22 and "DDNS" on Page 23.

If you cannot search any available IP address, please follow the instructions below.

Step 4. Add the IP address and other network settings to login

- a) Double-click "???" icon on your PC desktop to enter the Video Viewer control panel. By defaults, the "Address Book" panel will be displayed on the right side of the Video Viewer control panel.
- b) The default network camera settings are as follows:

Item	Default Setting
IP Address	192.168.1.10
User Name	admin
Password	admin
Port Number	80

c) Click " (Address Book) → " (Add) button to key in the IP address, user name, password, and port number of the network camera you intend to connect.

Item	Default Setting
IP Address	192.168.1.10
User Name	admin
Password	admin
Port Number	80

d) Double-click the IP address you just added into the address book to log in.

4. VIDEO VIEWER BASIC OPERATION

4.1 The Live View Page

After setting up the network information, login user name and password, double-click "???" on the PC desktop to open and log into the Video Viewer control panel. You will see a screen similar to the following with 6 major sections:



NO.	Button	Function	Description
			To switch to another camera view if two or more network cameras are connected,
			click the corresponding blue tab. The camera title shown in the blue tab can be
1	01 02 00 04	Image Display	customized (For example, "01", "02", "03" and "04"). The default camera title is
			"Camera1". For detailed camera title setting, please refer to "General" on Page
			18. The software can control up to 16 network cameras simultaneously.
	≡ ⊞ ⊡	Scale	Click to view the images in the 1-cut, 4-cut, 9-cut and 16-cut mode.
		Full Screen	Click to view the images in the full screen mode. To exit the full screen mode,
]		press "Esc" key on the keyboard of the PC.
	Y	Close	Click to close the current image display view.
	<	Close	If the image display view is closed, you will be logged out automatically.
	ച	Close All	Click to close all the current image display view.
			If the image display view is closed, you will be logged out automatically.
0	-	Address Book	Click to show the predefined IP address(es). You can add, remove or search the
Ľ	2		IP address to log in the network camera remotely.
3		Emap	Click it to show the emap screen in which you can see where the connected
		Emap	cameras are and watch the live display of every camera.
		Miscellaneous	Click to show the main operation functions: audio volume control, color setting,
P		Control	backup, record setting, server setting, upgrade, and find status log list.
		Record /	
9		Stop Record	Click to start / stop the manual recording.
		Spanahat	Click to take a snapshot of the current view. The snapshot will be saved in the path
•		Shapshot	you specified in "5.3 Record Setting" on Page 16.
		Information	Click to show the current network connection details.

4.2 Address Book

This view is displayed when the Video Viewer is activated for you to log in / out the network camera from the current address list, or search the available IP address as follows:



Click to view the pre-defined network camera access details.

To log in, choose one IP address from the address list, and click the address twice; to log out, click the connected IP address twice.

You can also create new IP address information, or modify or remove the current IP address information.

NO.	Button	Function	Description						
1			Click to directly add one IP address for login. Key in all the network camera access information needed, and click "Apply" and "Close" to add the selected address to the address book.						
			😰 Configure						
			Transfer Method: 💿 TCP 🔿 UDP						
			IP Address: 192.168.1.29						
			Port: 1203						
		Add	User Name: admin						
			Password: *****						
			Get Type H264 IPCam						
			Stream Format: Default						
			Av Option: Video/Audio 💌						
			Comment:						
			Apply Close						
2		Edit	Select one current IP address from the address list, and click this button to edit the settings.						
3		Remove	Select one IP address from the address list, and click this button to delete it.						
		Record	Check this checkbox to enable the record settings. For details, please refer to the "5.3 Record Setting" on Page 16. The default setting is unchecked.						



Click to search and view the available IP address(es) for the network camera connection. You can choose one address to add into the address book, edit the details, or update the address list.

NO.	Button	Function	Description
4		Add into address book	Select from the available IP address list, and click this button. Key in the network camera access information needed, and click "Apply" and "Close" to add the selected address to the address book.
5	Setting		Select from the available IP address list, and click this button to edit the setting.
6		Refresh	Click to update the available IP address list.

4.3 Emap

Konfigure)

Click On the top bar, you will see the default emap screen. Then, click " (Configure) to enter the screen for emap setting.



- Step 1: Click "…" to load a .JPEG or .BMP file of the emap. If the picture is too large, you can tick off "Scale" to zoom it out.
- Step 2: Drag the IP address of the connected camera onto the picture to set its location, and the IP address will be ticked off \checkmark . After placing all the cameras, click "Apply" to confirm the setting. Then you will see the following screen.



Step 3: If you want to relocate the cameras, you can click " (Configure), and then move the cameras on the emap at will. You can also click "Remove" / "Remove All" to remove a camera or all the cameras on the emap.

Live display on the emap

Double click the icon of the camera on the emap. The live display of this camera will be shown.

Motion trigger prompt

You can also see the prompt icon of motion trigger if any motion is detected.

Note: Please make sure you've activated the motion detection function at first. For the details about motion detection setting, please refer to "Trigger" on Page 21.



Motion Trigger Prompt



4.4 Manual Record

1) Choose the record type and assign the record location

Click " (Miscellaneous Control) \rightarrow " (Record Setting) to go to the "Record Setting" page. Check the record type "Manual", and assign the location to save the recordings by double-clicking the "Video Path" cell.

ecord Or Manual	n/Off Schedu	le		Ĵ		м	oti	on	(Г	A	la	rm	ı,		Γ	Pre	:v/	Po Pr	ev.	Ev	en	it F	leo 	:01	d 1	rin	ne	-					Se	c.	8
Hard C)isk 0verwrit	e																			Po	ost			1	Ļ	' 1		1	1		' 	-			Se	c.	
Record T	ime Range-																	_														_						
Weekly	Custom								i.	S	che	ed	ule	e			Ĵ		A	laı	rm						1	м	oti	ion	ı							
+ -		0			2	(3	4		5	6		7		8	9		10	11		12	13	3	14	16	5	16	17	,	18	1	9	20	2	21	22	2	3
	Sun		Ħ	Ħ					⋕					Ħ																		Ħ		Ħ				Ħ
	Mon		▦						Ħ																						Ħ		#	▦				Ħ
	Tue		Ħ																												Ħ			曲				Ħ
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	Sat																																	₿				
Record F	Path				20183																0972							89039		0000			.085		101242	2018		
Drive	Total(MB)	1	Free(MB)			1	Res	erv	e(f	MB))	Т				V	idea	o Pa	ath									Pic	tun	e P	ath	2						
C: 8181 3279					20	48							C;)	terr	ipvi	dec	1							C	: Ve	emp	pic	turi	e١									

2) Start manual recording

Once the "Manual" checkbox is checked in the "Record On/Off" section, check the "REC" box in the address book panel " \checkmark " to start manual recording. When the record function is started, a flashing indication icon will be shown at the bottom right corner of the image display view. And the recordings will be saved in the specified location.



3) If you want to stop recording, click "

Note: For detailed schedule record setting, motion-triggered and alarm-triggered recording, please refer to "5.3 Record Setting" on Page 16 and "Trigger" on Page 21.

4.5 Playback

To play a recording, click "1" (Miscellaneous Control) \rightarrow "2" (Status List), and select the "Record" tab. A list of

all the recordings will be shown by defaults, and you can also sort out the logs you want to speed up the search time. For details, please see "5.6 Status List" on Page 29.

Time Range Record Type Range Unit One Day Prev. Next From: 2008/ July //= If User If Alarm From: 2008/ July //= If User If Alarm Record Backup Event Ouery Event IP Start Time End Time File Path Reserve Error User 192.168.1.29 07/24/08 14:37:59 07/24/08 13:33:14 C:\tempvideo\20080724133306_01 If Ise Path Reserve Error User 192.168.1.29 07/24/08 13:33:06 07/24/08 13:33:14 C:\tempvideo\20080724133306_01 If Ise Path If Is	😰 Status Li	st					E
Record Backup Event IP Start Time End Time File Path Reserve Error User 192.168.1.29 07/24/08 14:37:59 07/24/08 13:33:14 C:\tempvideo\200807241133306_01 Image: Compvideo\20080724133306_01 I	-Time R Ra Fro	ange nge Unit One m: 2008/ July /2	e Day 🔻 P E V To:	rev. Ne>	t Record Type	I AI I R	arm ETR
Event IP Start Time End Time File Path Reserve Error User 192.168.1.29 07/24/08 14:37:59 07/24/08 13:33:16 C:\tempvideo\20080724133306_01 Image: Compvideo\20080724133306_01 Image: Compvideo\20080724133306_01 <t< th=""><th>Record</th><th>Backup Event</th><th></th><th></th><th></th><th>Que</th><th>ery</th></t<>	Record	Backup Event				Que	ery
User 192.168.1.29 07/24/08 14:37:59 07/24/08 13:33:14 C:\tempvideo\20080724133306_01 User 192.168.1.29 07/24/08 13:33:06 07/24/08 13:33:14 C:\tempvideo\20080724133306_01 Image: Compvideo\20080724133306_01	Event	IP	Start Time	End Time	File Path	Reserve	Error
User 192.168.1.29 07/24/08 13:33:06 07/24/08 13:33:14 C:\tempvideo\20080724133306_01	User	192.168.1.29	07/24/08 14:37:59	07/24/08 14:42:25	C:\tempvideo\20080724143759_01		
	User	192.168.1.29	07/24/08 13:33:06	07/24/08 13:33:14	C:\tempvideo\20080724133306_01		
						1	

To immediately play a recording file, select a log from the list, and click "Play" button, or double-click the selected log. Then, the playback control panel will be shown at the bottom of the main control panel similar to the following. For the playback control panel details, please see "Playback Screen" on Page 31.



4.6 Snapshot

To take a snapshot of the current view, click " (Snapshot) on the main control panel. Once the current view is

captured, you'll see an icon "

The snapshot will be saved in the path you specified in " (Record Setting). For snapshot path setting, please refer to "5.3 Record Setting" on Page 16.



4.7 Information 💷

Click this button to show the current network connection details:

- 1) IP Address
- 2) Transfer Type
- 3) Stream Format
- 4) AV Option
- 5) Bit Rate
- 6) Frame Rate



- 7) Resolution
- 8) Quality
- 9) Server Time
- 10) Online Users
- 11) Handler Name
- 12) Current Disk

5. VIDEO VIEWER MISCELLANEOUS CONTROL PANEL

Click "III" (Miscellaneous Control) on the Video Viewer control panel, and 7 functions are available as follows:



 Click the button I to show the current version of the Video Viewer.

 The audio / broadcast function is only for AVI202, AVI212 and AVI203 models.

 NO.
 Button
 Function
 Description

 Image: the state of the sta

			 software installed. The connected network cameras are connected to speakers. The audio function of the connected network cameras is turned on (¹).
	(1)	Audio Volume Control	To adjust the volume of the audio, press and drag the volume slider.
2		Color Setting	Click this button to adjust the brightness / contrast / hue / saturation for the selected network camera. For details, please see "5.1 Color Setting" on Page 15.
3		Backup (For DVR only)	The network cameras don't support network backup function. This function is available when the Video Viewer is connected to a DVR. You can log into the DVR via this software and remotely backup the video data saved in the DVR. For details, please see "5.2 Backup" on Page 15.
4	1	Record Setting	Click this button to go to the detailed record setting. For details, please refer to "5.3 Record Setting" on Page 16.
5		Server Setting	Click this button to go into the detailed server setting. For details, please refer to "5.4 Server Setting" on Page 16.
6	*	Tools	Click this button to update the firmware version of your network camera. For details, please refer to "5.5 Tools" on Page 28.
Ø	<i>~</i>	Status List	Click this button to view all the record list and login/logout event list, search the desired log list(s) by date, or playback the recording of the selected log list. For details, please refer to "5.6 Status List" on Page 29.

5.1 Color Setting

In the live view page, choose the desired network camera from the image display tab. Click "fill" (Miscellaneous Control) \rightarrow "fill" (Color Setting) to go into the "Color Setting" page, and you can adjust the brightness / contrast / hue / saturation for the selected network camera.

	Color Setting	×		
Brightness	19 M			
Contrast				
– Hue				
-				
Saturation				
Click "	' (Set) to apply the change to	o the selected network	camera. Click "💷" (I	efault) and click "

(Set) to return to the default color settings.

Note: You need to be a supervisor to operate this function. For details, please see "Account" on Page 19.

5.2 Backup (For DVR only)

The network cameras don't have network backup function. This function is available when the Video Viewer is connected to a DVR. You can log into the DVR via this software and remotely backup the video data saved in the DVR. Click " (Miscellaneous Control) \rightarrow " (Backup) to go into the "Backup" page, and you can select a specific time range or event to make a video backup of the recorded files saved in the DVR.

Note: You need to be a supervisor to operate this function. For details, please see "Account" on Page 19.



NO.	Function	Description
1	IP Address / Port / User Name / Password	Select the IP address of the desired network camera from the drop-down list and check if the network information is correct.
0	HDD Number / Channel	Specify the hard disk (HDD Number) and channel number (Channel) within which have the video data you need.
3	Filter the recorded video by time	Specify the time range within which has the video data you want in the "Start Time" and "End Time" columns.
4	Filter the recorded video by event	 Select an event type from the event list. This list shows all logs in the specified network storage device from the latest to the earliest. To quickly find the events you need, check or uncheck the event type "System" / "Manual" / "Alarm" / "Motion", and select the log you want. To view the earlier or later logs that are not shown in the current page, click "Prev. Page" or "Next Page". To refresh the event list, click "Reload".
5	File Path	Assign the location where the backup files are saved.
6	Simultaneous Playback	To view the backup images simultaneously when the download process is in progress, select the checkbox "Simultaneous Playback". You will see the backup images while the images are being downloaded to the PC or notebook. To simply backup images without previewing, deselect the checkbox "Simultaneous Playback". You will only see a message box indicating the total time needed, the current status and the saving location.
Ø	Download / Cancel	Click "Download" to start or "Cancel" to discard the video backup.

5.3 Record Setting

Click " \square " (Miscellaneous Control) \rightarrow " \square " (Record Setting) to go into the "Record Setting" page, and you can set which type of the recording is enabled (Manual / Schedule / Motion / Alarm), and where the recorded data / snapshots are saved.

Manual	C Schedul	e 🗆 Motio	n 🗆 Alarm	Prev/Post E Prev.		Sec.
Hard D	isk Overwrite			Post		Sec.
Record T	ime Range —			L		
Weekly	Custom		Schedule	💻 Alarm	💻 Motion	
+ -		0 1 2 3	4 5 6 7 8	9 10 11 12 13	14 15 16 17 18 19 20	21 22 23
	Sun					
	Mon					
	Tue					
•	Wed					
	Thu					
	Fri					
	Sat					
Record P	ath					
Drive	Total(MB)	Free(MB)	Reserve(MB)	Video Path	Picture P	ath
✓ C:	8181	3279	2048	C:\tempvideo\	C: temppic	ture\

Note: Once all the record settings are finished, please check the "REC" checkbox in the address book panel "I" to start manual recording. Please refer to "Address Book" on Page 8.

Record On/Off

In this section, you can select which type of the recording will be enabled. There are 4 options: Manual / Schedule / Motion / Alarm.

Prev / Post Event Record Time

In this section, you can set the pre- / post-event record time from 0 ~ 10 seconds by pressing and dragging the slider.

Hard Disk Overwrite

Check this checkbox to overwrite from the oldest recorded data when the HDD is full.

Record Time Range

There are two options available for you to set the recording time: Weekly & Custom.

Weekly

Choose the time box(es) within which you want to enable the recording. The time scale is from $0 \sim 24$ hours per day, and there are 3 time lines for each weekday, representing 3 different recording types.

When you select the time box(es), you may see the color orange, pink or blue:

orange => the 1st line, schedule record

pink => the 2nd line, alarm record

blue => the 3rd line, motion record



Tip: To set schedule record, alarm record and motion record all at once for the whole week, press "+" button. To clear all record time settings, press "-" button.

Custom

To specify the more specific time for recording, click "Custom".

Record Time Range Weekly Custom		
✓ Schedule	Add Delete	Update
From:	Type Start Time	End Time
2008/ July /08 13:3 👻 💌		
To:		
2008/ July /08 15:3		

- a). Select the desired record type(s) (Schedule / Motion / Alarm), and set the start & end date and time.
- b). Press "Add", and a pop-up window will appear and ask you to confirm your setting. Click "OK" to add the record setting, or "Cancel" to discard the setting.



c). After adding the record setting, you will see the item(s) you added in the custom record list.

To delete a certain item, choose the item you want to delete, and click "Delete".

To modify a certain item, choose the item you want to modify, change the start time and end time, and click "Update".

Schedule	Motion	Alarm	Add	Delete	Update
			Туре	Start Time	End Time
	From:		Schedule	2008/07/08 1:33:40 PM	2008/07/08 3:33:40 PM
200	18/ July /08 13:3				
	To:				
200	07 1010 100 16:3				

Record Path

Select and view the location for saving the recorded video and snapshot pictures.

To change the saving path for the recorded video clips or snapshots, check the drive you want, click the cell of "Video Path" or "Picture Path" twice, and select a new path for saving the video clips or snapshots.

v ~/	(dit(Pib)	Free(MB)	Reserve(MB)	Video Path	Picture Path
81	8181	3279	2048	C.tempvideo\	C:temppicture\
81	81	3279	2048	C:\tempvideo\	C:temppi

5.4 Server Setting

Click " (Miscellaneous Control) \rightarrow " (Server Setting) to go into the "Server Setting" page, and you can view,

set or modify all the network camera setting. All the changes you make here will be applied to the connected network camera.

Note: You need to be a supervisor to operate this function. For details, please see "Account" on Page 19.

General

Click "(Miscellaneous Control) \rightarrow """ (Server Setting) \rightarrow "General" to go into the "General" page. In

"General" page, you will see the following items:

📴 Server Setting : 1	192.168.1.29	K
General Log Account OnLineUser Trigger Network DDNS SNTP FTP MAIL Video	General Firmware Version: 1012-1005-1000 MAC Address: 00:0E:53:0C:24:F3 Title: 01	
ОК		
Cancel		
Apply		

ltem	Description
Firmware Version	Display the current firmware version of the network camera.
MAC Address	Display the MAC address of the network camera.
Title	Provide a title for the network camera. Only 15 characters are allowed. The default camera title is "Camera1".

Log

Click " (Miscellaneous Control) \rightarrow " (Server Setting) \rightarrow "General" \rightarrow "Log" to go into the "Log" page. In

the "Log" page, you can see all the logs for the network camera, such as "Power On", "Reset Default", "Net Login" and "SNTP Update" ... etc.

- To refresh the logs, click "Reload".
- To view the earlier or later logs that are not shown in the current page, click "Prev. Page" or "Next Page".
- To clear all the logs, click "Clean".

🚰 Server Setting : 1	92.168.1.29			
	General :: Log			
Account	Reload	Prev. Page	Next Page	Clean
OnLineUser	Event	Time	Message	^
Trigger	Remote Login	2008/07/24 16:31:27	admin	
Network	Remote Login	2008/07/24 16:29:21	admin	
DDNS	DDNS Update	2008/07/24 16:27:36	OK	=
SNTP	Remote Login	2008/07/24 16:23:55	admin	
FTP	DDNS Update	2008/07/24 16:23:27	OK	
MAIL	Remote Login	2008/07/24 16:19:19	admin	
Video	Remote Login	2008/07/24 16:19:16	admin	
indee .	DDNS Update	2008/07/24 16:10:00	OK	
	DDNS Update	2008/07/24 16:05:51	OK	
	Remote Login	2008/07/24 16:01:24	admin	
	Remote Login	2008/07/24 16:00:57	admin	~
OK Cancel Apply	I POWER ON I F I FTP I EMAIL I SNTP UPDATE	REMOTE LOGIN 🔽	RESET DEFAULT PPPOE ☑ DHCP	

Account

Click " (Miscellaneous Control) \rightarrow " ' (Server Setting) \rightarrow "General" \rightarrow "Account" to go into the "Account" page. In the "Account" page, you can create a new account for login, or delete or modify the existing account setting. To add an account, click "New", and set the "User Name", "Password", "User Level" and "Life Time". Then, click

"Apply" to save your setting and create a new account.

🕮 Server Setting : 19	2.168.1.29			<u> </u>
General	General :: Account			
Account	User Name	User Level	Life Time	
Trigger	admin	Supervisor	INFINITE	
- Network	111	Power User	INFINITE	
DDNS	333	Guest		
SNTP FTP MAIL Video				
	User Name:	Р	assword:	
	User Level:	·	Life Time:	-
ОК		New Delete	Apply	
Cancel				
Apply	Max User(s):	10 🗆 Anonym	ous Viewer Login	Jpdate

📴 Server Setting : 1	92.168.1.29			X
General	General :: Account			
Account	User Name	User Level	Life Time	
UnLineUser	admin	Supervisor	INFINITE	
- Network	111	Power User	INFINITE	
DDNS	222	Guest		
SNTP	333	Guise		
FTP				
MAIL				
Video				
	User Name:	Р	assword:	
	User Level: Superv	visor 🔹	Life Time:	INFINITE 💌
ОК		Cancel Delete	Anniv	
Cancel			0110	
	Max User(s):		oue Viewer Login	Undate
Apply		Jio Anonym	ous tiewei Login	oputto

- To modify an existing account, select the account you want, change the setting, and click "Apply".
- To remove an existing account, select the account you want, and click "Delete".
- To save your changes, click "Apply".

Column	Description
User Name	Set a user name that will be used for remote login. The user name allows up to 31 characters.
Password	Set the password that will be used for remote login. The password allows up to 31 characters.
User Level	Set the security level of an account to give the permission to control different Video Viewer functions. There are 4 user levels: "Supervisor", "Power User", "Normal User" and "Guest".
	For the functions each user level is allowed to access. For details, please refer to APPENDIX 2 USER LEVEL FOR REMOTE OPERATION" on Page 39.
Life Time	Select how long this account is allowed to stay online (1 MIN / 5 MIN / 10 MIN / 1 HOUR / 1 DAY / INFINITE)
Max User(s)	Allow maximum 10 online users simultaneously

Online User

Click "III" (Miscellaneous Control) \rightarrow "III" (Server Setting) \rightarrow "General" \rightarrow "OnLineUser", and you can check

all the online user information. To update the user information, click "Refresh".

📴 Server Setting : 1	92.168.1.29				
General Log Account	General :: OnLineUser				
<mark>OnLineUser</mark> Trigger	Online User In	formation:		Refresh	
Network					
DDNS	User Name	User Level	IP Address	Media Type	
SNTP	admin	Supervisor	192.168.1.30	UNKNOWN	
FTP	admin	Supervisor	192.168.1.6	UNKNOWN	
MAIL	admin	Supervisor	192.168.1.100	UNKNOWN	
Video	admin	Supervisor	192.168.1.100	H264	
A A A A A A A A A A A A A A A A A A A	admin	Supervisor	192.168.1.100	UNKNOWN	
ок					
Cancel					
Apply					

<u>Trigger</u>

Click " (Miscellaneous Control) \rightarrow " (Server Setting) \rightarrow "General" \rightarrow "Trigger" to enter this page. 🚰 Server Setting : 192.168.1.29 - General Log Account Alarm: C Disable • Enable OnLineUser Trigger Motion: Enable C Disable Setting Network DDNS **Duration:** Seconds 10 -SNTP FTP Notify MAIL Video Method: ✓ Email **▼** FTP Video Type: · H264 ○ MPEG4 ○ JPEG Total time: 3 -Seconds 0K Cancel Apply

Alarm Trigger (Only for AVI202 / 203 / 212):

In this section, you can select to enable the function of alarm trigger.

• Motion Trigger:

ltem	Description
Motion	In this section, you can select to enable the function of motion trigger.
Duration	Set the duration time of the motion trigger recording (5 / 10 / 20 / 40 seconds).

Select to enable the function of motion trigger. And then click "Setting" to set the motion detection area.



Function	Description
Sensitivity	Set the detection sensitivity: For AVI201 / 202 / 212 - 0 \sim 9 \cdot the higher the number, the lower the sensitivity. For AVI203 - Low / Normal / High.
Motion Detection Setting Area	Set the motion detection area by selecting the area grids with your mouse. Pink grids represent the area that is not being detected while the transparent grids are the area under detection. You can set multiple areas under detection.
Select All	Click "+" (Select All) to set the whole area under detection.
Clear All	Click "-" (Clear All) to set the whole area undetected.

Function	Description
Apply	After setup, click "Apply" to confirm.

Notify

In this section, you can select to enable the function of E-mail and/or FTP notification.

Item	Description
Method	• Email
	If the E-mail notification function is activated, the network camera will send the captured video clip
	to the assigned E-mail address(s) once motion-trigger or alarm-trigger recording happened.
	• FTP
	If the FTP notification function is activated, the network camera will upload the captured video clip to
	the specified FTP site once motion-trigger or alarm-trigger recording happened.
Video Type	Display the video type of the notification files. The video type will vary according to the setting of
	"Stream Format" in the "🛄" (Address Book) page.
Total Time	If you've set the video type as H264 / MPEG4, you can set the record time of the notification video clip as $1 \sim 5$ seconds.
	If you've set the video type as JPEG, then this option stands for $1 \sim 5$ images.

Note: If your network camera & mail server are not connected by LAN, and the network connection is not stable or failed, the notification method by Email or FTP might be failed.

Note: Sometimes the length of the video clip emailed or uploaded might not be the same as the one you specified in "Total Time". This is because the system can only emailed or uploaded up to 500KB video clip.

Network

Click " (Miscellaneous Control) \rightarrow " (Server Setting) \rightarrow " Network" to go into the "Network" page. In

"Network" page, you can set the network configuration of the network camera.

📴 Server Setting : 1	92.168.1.29	
 General Log Account OnLineUser Trigger Network DDNS SNTP FTP MAIL Video 	IP Type: C Static IP C PPPOE © DHCP Static IP Server IP: 192 . 168 . 1 . 29 Gateway: 192 . 168 . 1 . 99 Gateway: 192 . 168 . 1 . 99 NetMask: 255 . 255 . 255 . 0 Web Port: 1203	
OK Cancel	PPPOE User Name: Password:	
Apply		

Select the network type you will be using for the network camera connection. There are 3 network connection types: Static IP, PPPOE and DHCP.

Note: PPPOE and DHCP network connection types are required to apply the DDNS service to get a "Hostname" to correspond to a dynamic IP address. Please refer to "DDNS" section for details.

Function	Description
Web Port	Typically, the default TCP port used by HTTP is 80. However, in some cases, it is better to change this port number for added flexibility or security. The valid web port number ranges from 1 to 9999.
Static IP	Computers are communicated and recognized by their own unique IP addresses over the Internet. "Static IP" provided by your ISP (Internet Service Provider) means the IP address of the computer is fixed. Key in the server IP address, gateway and network information provided by your ISP provider to configure a static IP network connection.
PPPOE	PPPOE stands for Point-to-Point Protocol over Ethernet. Users can easily have the Internet service as long as they're ready for the following things: 1) Insert an Ethernet card into the PC. 2) Obtain the ADSL service via any ISP. 3) Obtain and install the PPPOE software CD.
	When everything is ready, choose the "PPPOE" IP type, and key in the user name and password provided by your ISP. Then, select "Network" \rightarrow "DDNS" to set DDNS settings. For detailed DDNS settings, please refer to "DDNS" section.
DHCP	This DHCP function needs to be supported by a router or cable modem network with the DHCP service. Choose the "DHCP" IP type, and select "Network" → "DDNS" to set DDNS settings.
	For detailed Duns settings, please reler to Duns section.

<u>DDNS</u>

You need to apply a DDNS account before setting PPPOE or DHCP connection. DDNS is a service for transforming the dynamic IP corresponding to a specific "host name". Go to a website which provide free DDNS services and apply a host name.

Click "🚺" (Miscel	llaneous Control) \rightarrow "	
👜 Server Setting : 1	92.168.1.29	×
	Network :: DDNS	
Account OnLineUser	DNS Server1: 168 . 95 . 1 . 1	
Trigger	DNS Server2: 139 . 175 . 55 . 244	
	DDNS: On Off	
MAIL Wideo	User Name: zhaodream	
	Password:	
ОК	Domain: avicamera.selfip.net	
Cancel	System Name: dyndns	
Apply		

DDNS Apply:

Under the connection of PPPoE or DHCP, you could key in the domain name which points to the IP address of you DVR to login. However, you need apply for a DDNS account at first.

Go to http://www.dyndns.com and sign up a DDNS account.



Enter all the information necessary for signing up an account according to the website instructions.

🔿 Dyn	DNS		User:	Pass:	Login
	About Services	Account	Support	News	
count	Create Your DurDNS Acr	ount			
ate Account	Create Tour DynDivs Act	count			
1	Please complete the form to create your	free DynDNS Account	t		
t Password?	-User Information				
	Username: AVTECH				
earch	Email Address: FAE3@av	/tech.com.tw	Instructions to activate your acc	ount will be sent to the email address provider	r name fo
	Confirm Email Address: FAE3@av	rtech.com.tw	login		naie not
iearch	Password: *****	/	hot this store and reading a	tommen werden Shereiset All de	
	Comirin Passworu:		to the	domain i	name.
	-About You (optional)		0.17.	• • • • •	
	Providing this information will help us to b	better understand our	r cus Znars, in G r		⊑₌ma ii ad
	Thanks for your help!		and in	nput it aga	ain to cor
	How did you hear about	•	We do no address.	it sell your account information to anyone, inc	luding your email
	us:		3. Set	the pass	word and
	Details:		innut	it again to	o confirm
	-Terms of Service		mpar	it again t	
	Please read the accepatable use policy (4	AUP) and accept it pri	ior to creating your acc	ount. Also acknowledge that you i	may only have
	one (1) free account, and that creation o	f multiple free accour	nts will result in the del	etion of all of your accounts.	
	che Rember and DynDws and	r superseues arr	prior agreement	* •	
	herein. BY COMPLETING THE	REGISTRATION P	ROCESS AND CLICK		
	BOUND BY ALL OF THE TERMS	ARE INDICATING S AND CONDITIONS	OF THE AUP.	U BE	
	2. DESCRIPTION OF SERVICE				
	THE "Accept" BUTTON, YOU BOUND BY ALL OF THE TERMS 2. DESCRIPTION OF SERVICE DynDNS is providing the M aliasing and hosting serv all equipment necessary f including computer and mon Member's own access to the with such connection. The maintain certain current, about the Member as promp information requested on I agree to the AUP: I will only create one (1) I will only create one (1) I will only create one (1) DynDNS maintains a number of mailing liss our company newsletter, and our system subscription preference may be changed .	ARE INDICATING AND CONDITIONS ember with vari ices. The Member or its own Inte- dem, and (2) pr e Internet and dem, and (2) pr e Internet and (2) pr e Int	YOUR ACREEMENT TO OF THE AUP. OUS DNS-based r must (1) provide rmst (1) provide rmst (1) provide rmst (1) provide rmst (1) provide and and accurate informed accurate informed	Le L	development, 9. Your
	press-releases:				
	-Next Sten				
	After you click "Create Account", we will c instructions in that email to confirm your a delete your account. (This helps prevent u	create your account a account. You will nee unwanted robots on c	nd send you an email t d to confirm your accou our systems)	o the address you provided. Pleas int within 48 hours or we will aut	e follow the omatically
			4 Cli	ck "Creat	

Then, you will see the screen "Account Created", and Dyndns will email the instructions to your specified E-mail

address. Please read this email within 48 hours and complete the procedure to activate your account according to the instructions in the email.

Go to the hyperlink in the email and you will see "Account Confirmed". Your account is created successfully now. Input the user name and the password you preset before to log in.

🔿 Dyn	DNS		User:	Passi Login
	About Service	s Account	Support	News Input the user nar
My Account	Account Confirmed			and the password
Create Account				to login.
Login	The account fireboy has been co	nfirmed. You can now <u>lo</u>	<mark>qin</mark> and start using yo	bur account.
Lost Password?	Be informed of new services, chang mailing lists. Once there, you may s	es to services, and impo usbscribe to the Announ	rtant system mainten ce list by checking the	nance/status notifications by subscribing to our e appropriate box and clicking the "Save Settings"
Search Search	Create a dynamic DNS host v	vith your own domain na vithin our domains	i <u>me</u>	
	Use our MailHop mail service Register a domain name	<u>s</u>		
	@ 1000 2000 D-	and Manual Forders too		

Click "Add Host Services"

	About	Services	Account	Support	News	
	Access to	o more domains, <u>Pr</u>	emium Domains, C	onsider an <u>Account Up</u>	grade.	
My Account	Account Sum	mary for av	techipcam			
My Services	My Services		Billing		Accou	nt Settings
Account Settings	View, mod	ify, purchase, and	Upd	ate your billing		Update your email address,
Billing	delete you	r services.	puro	mation, complete a hase, and view invoice:	. 🔽	set preferences, and delete vour account.
0 Rems	My Zones		View Shoppin	g Cart	Chang	e Email Address
0	Add Zone Service	<u>s</u>	Active Service	<u>15</u>	Chang	e Password
Search	Mytheste	-	Order History		Chang	e Username
Search	Add Host Services		Billing Profile	and Vouchers	Conta	<u>ct Manager</u>
	Account Upgrades		Renew Servic	es	Mailin	g Lists
	MailHop Outbound		Auto Renew S	Settings	Move	Services
	Network Monitoring		Sync Expiration	ins.	Prefer	ences
	SSL Certificates				Close	Account
	Recursive DNS					
	DNS Service Leve	l ågreement				
	Premier Support					
	Contact Support					

🔿 DynD	NS					Logged In User: avtechipcam <u>My Services</u> - <u>My Cart</u> - <u>Log Out</u>
	About	Services	Account	Support	News	
	W	'ant 25 additional hi	ostnames? Consider	an <u>Account Upgra</u>	de.	
My Account	Add New Hos	tname				1 Host Services
My Services Account Upgrades SLA Premier Support 1. In	Note: You currently do buying Account upgrad	n't have Account Up e that make this for aningfl	igrades in your acco m full-functional an	unt. You cannot us d will add several (se some of our Ho other features. Le	st Service features. Please consider
Zone Services hos' Host Services	t name 🔤	stname: Vour	name . (b	oldlygoingnowhere		main name
MailHop Outbound Recursive DNS Network Monitoring SSL Certificates Renew Services Auto Renew Settings Sync Expirations	W Servio	/ildcard: □ Y ce Type: ⓒ F ○ V ○ C	ies, alias "*.hostnar lost with IP address VebHop Redirect iffline Hostname	ne.doma n w sam	e settings.	indin nume.
Account Settings Billing My Cart <u>Dilens</u>	IP A	uddress: 211.3 Use a TTL v	75.84.96 uto detected IP add alue is 60 seconds.	- ress 211.75.84.96. Edit TTL.	<u>.</u>	
Search Search	Mail F	Routing: 🗖 Y	ies, let me configure	Email routing,	Create Host	
		© 1998-2008 Dynamic N	etwork Services, Inc	Legal Notices - <u>Contac</u>	ts	

<u>SNTP</u>

SNTP (Simple Network Time Protocol) is for time setting. Click " (Miscellaneous Control) \rightarrow " (Server Setting) \rightarrow "Network" \rightarrow "SNTP" to go into the "SNTP" page.

🗃 Server Setting : 1	92.168.1.29			
 General Log Account OnLineUser Trigger Network DDNS SNTP FTP MAIL Video 	Network :: SN GMT:	(GMT+08:00) Taipei Server Name:	tock.stdtime.gov.tw nc Server Time	
OK Cancel				

Function	Description
GMT (Greenwich Mean Time)	Once users choose the time zone, the network camera will adjust the local area time of the system automatically.
Server Name	Users can simply use the default SNTP server (For example, time.stdtime.gov.tw).
Sync Server Time	The network camera will synchronize the time with the network time.

<u>FTP</u>

Click "(Miscellaneous Control) \rightarrow """ (Server Setting) \rightarrow "Network" \rightarrow "FTP" to go into the "FTP" page.

Enter the detailed FTP information and press "Apply" to confirm. The information you set here will be applied when the function of FTP notification is enabled in the "Trigger" menu.

Server Setting : 1	92.168.1.29		
General	Network :: FTP		
Account OnLineUser Trigger	User Name:	test	
Network DDNS	Password:	****	
SNTP FTP MAIL	Port:	21	
Video	Server:	192.168.1.100	
	Directory:	/	
ОК			
Cancel			
Apply			

MAIL

Click "III" (Miscellaneous Control) \rightarrow "III" (Server Setting) \rightarrow "Network" \rightarrow "MAIL" to go into the "MAIL" page.

Enter the detailed E-mail information and press "Apply" to confirm. The information you set here will be applied when the function of E-mail notification is enabled in the "Trigger" menu.

😰 Server Setting :	192.168.1.29	×
 General Log Account OnLineUser Trigger Network DDNS SNTP FTP MAIL 	Network :: Mill Server: avtechchina.com.cn Mail From: Derek Verify Password Verify: Verify: Yes User: derek.zhao Password: ********************	
	Email Address Mail Account derek.zhao@avtechchina.com.cn Add	
OK Cancel Apply	Delete	

Function	Description		
Server	Enter the SMTP server address provided from your e-mail system supplier.		
Mail From	Enter the entire mail address to ensure E-mails will not be blocked by SMTP.		
Verify Password	Some mail servers are required to verify the password. Please enter the "user name" and "password".		
Email Address	Add the E-mail address(s) of the assigned recipient(s).		

Note: Users can assign up to 4 mail accounts for E-mail notification.

Video

Click " \blacksquare " (Miscellaneous Control) \rightarrow " \blacksquare " (Server Setting) \rightarrow "Video" to go into the "Video" page.

🔯 Server Setting : 1	192.168.1.29
- General	Video
Log Account OnLineUser Trigger DDNS	JPEG: 4CIF THIGH
SNTP FTP MAIL Video	MPEG: 4CIF HIGH •
	H264: 4CIF HIGH -
ОК	
Cancel	FrameRate: QUARTER -
Apply	

ltem	Description
JPEG	Choose the image size (4CIF / CIF) and picture quality (BEST / HIGH / NORMAL / BASIC) when the web transmission format is JPEG.
MPEG	Choose the image size (4CIF / CIF) and picture quality (BEST / HIGH / NORMAL / BASIC) when the web transmission format is MPEG.
H264	Choose the image size (4CIF / CIF) and picture quality (BEST / HIGH / NORMAL / BASIC) when the web transmission format is H264.
Frame Rate	The frame rate allowed to each viewer can be adjusted to adapt to the bandwidth on the network. Set the desired image frequency to the maximum (FULL) or to a specified frame rate (HALF / ONE THIRD / QUARTER / ONE FIFTH / ONE TENTH). The actual frame rate depends on the actual network connection, and may be lower than the specified one.

5.5 Tools

Click " I (Miscellaneous Control) \rightarrow " C (Tools) to go into the "Tools" page.

Note: You need to be a supervisor to operate this function. For details, please see "Account" on Page 19.

Firmware Upgrade

In this page, you can upgrade the firmware of your network camera.

😰 Tools			
Update Server Langua	ge		
IP Address:	192.168.1.29	✓ Search	Port: 1203
User Name:	admin	Password:	****
Firmware			
Current version: 101	2-1005-1005-10	00	
		Add	Remove
Configure File	Update	Firmware	
System Backup:			Backup
	1		

Function	Description
Update Server	Select the IP address of the network camera. Make sure the network settings of the selected network camera are correct.
Current Version	In the "Firmware" section, you will see the current firmware version. For example, 1010-1004-1003-1000
Add	To upgrade the firmware version of your network camera, click "Add" to locate and select the firmware files. There are several upgrade files. Please upgrade one by one.
Update Firmware	To start upgrading the firmware of the network camera, click "Update Firmware" to start the upgrade process. After upgraded, you will see a message shown on the screen: "Update Firmware Succeeded! Don't plug off power, the machine will reboot automatically!"
System Backup (For DVR only)	If you want to backup your system before upgrading the firmware version, select "System Backup" in the "Configure File" section, click "" to specify the location for saving system backup, and click "Backup" to start the backup process.

Note: The network setting of the camera might restore to default values after upgrade. If this is true, please set the network information again.

Language Selection

This software is available in English / Chinese / French / German / Portuguese / Spanish / Japanese. Select a language from the drop-down list, and press "Apply". You will be prompted to restart the application to make this change take effect.

Note: The default language depends on the operation system of your PC. If the language of your operation system is not supported by this software, English will be the default language.

🔁 Tools		
Update Server Language		
Language:	English English Chinese French German Apply	

5.6 Status List

Click " View all the event and record logs (All), or search for the specific log(s) by date or by record type (Condition).

There are three types of logs: Record, Backup and Event. To playback the recorded data for a specific record or backup log, select the log, and double-click to start the video playback.

For detailed playback operation, please refer to "Playback Screen" on Page 31.

Record

Select "Record" to search for the specific log(s) by date or by record type.

Status Lis	t					
-Time Ra Ran From	inge geUnit One n: 2008/ July /:	e Day 💌 F	Prev. Ne	Record Type ★t	☑ Ala ☑ RE	rm TR
Record	3ackup Event				Quer	у
Event	IP	Start Time	End Time	File Path	Reserve	Error
User	192.168.1.29	07/24/08 14:37:59	07/24/08 14:42:25	C:\tempvideo\20080724143759_01		
User	192.168.1.29	07/24/08 13:33:06	07/24/08 13:33:14	C:\tempvideo\20080724133306_01		
Total	Becords:	2 Delete	Delete All	Play Repair	Apply	Close

Button / Function	Description		
Range Unit	Set different time range unit (One Day / One Week) of the event logs.		
Date Selection (From / To)	Choose the specific date range including the event / record logs you might want.		
Record Type	This section is enabled only when the "Record" tab is selected.		
	Select the record type you want to search (User / Alarm / Motion).		
Query	When all the search criteria are set, click to search the specified logs. The result will be displayed in the log list, arranged by time from the earliest to the latest.		
Delete / Delete All	Click "Delete" to remove the selected log(s), or click "Delete All" to clear the current log list.		
	Tip: To select more logs all at once, press and hold the "Ctrl" key on your keyboard, and click to select the logs you want to remove.		
Play	Click to play the selected record log. The playback panel will be shown for your further operation. For playback details, please see "Playback Screen		
	" on Page 31.		
Repair	Click to fix the log with errors.		
Apply	This button is available in the "Record" tab when the "Reserve" checkbox is checked or unchecked.		
	If you want to keep an important record log for future reference and it can't be removed, check the "Reserve" checkbox, and click "Apply". The selected log will be kept and won't be deleted when somebody accidentally or intentionally chooses it and click "Delete" or "Delete All".		
Close	Click "Close" to quit this window.		

Event

Select "Event" to search for the specific event log(s) by date.

😰 Status List				
Time Range Range Unit	One Day 💌	Prev. Next	Record Type	₩ Alarm
From: 2008/ July	/2 <u>÷</u> ▼ To): 2008/ July /2	Motion	RETR
Record Backup Ever	nt			Query
Time	Event	IP	Description	<u>^</u>
07/24/08 17:03:50	Login	192.168.1.29		
07/24/08 17:03:48	Logout	192.168.1.29		
07/24/08 17:03:42	Logout	192.168.1.29		E
07/24/08 16:59:49	Login	192.168.1.29		
07/24/08 16:59:26	Logout	192.168.1.29		
07/24/08 16:58:14	Login	192.168.1.29		
07/24/08 16:57:14	Logout	192.168.1.3		
07/24/08 16:56:37	Login	192.168.1.3		
07/24/08 16:51:59	Login	192.168.1.29		
07/24/08 16:51:49	Logout	192.168.1.29		
07/24/08 16:46:06	Login	192.168.1.29		
07/24/08 16:45:40	Logout	192.168.1.29		
07/24/08 16:31:27	Login	192.168.1.29		
07/24/08 16:31:12	Logout	192.168.1.29		
07/24/08 14:51:01	Logout	192.168.1.3		
07/24/08 14:50:53	Logout	192.168.1.25		
07/24/08 14:50:50	Logout	192.168.1.13		✓
<		Ш		>
Total Records:	51 Dele	te Delete All	Play Repair A	oply Close

Button / Function	Description	
Range Unit	Set different time range unit (One Day / One Week) of the event logs.	
Date Selection (From / To)	Choose the specific date range including the event / record logs you might want.	
Query	When all the search criteria are set, click to search the specified logs. The result will be	
	displayed in the log list, arranged by time from the earliest to the latest.	
Delete / Delete All	Click "Delete" to remove the selected log(s), or click "Delete All" to clear the current log	
	list.	
	Tip: To select more logs all at once, press and hold the "Ctrl" key on your	
	keyboard, and click to select the logs you want to remove.	
Close	Click "Close" to quit this window.	

Backup (For DVR only)

Select "Backup" to search for the specific log(s) by date.

📴 Status List 🛛 🔀						
Time Range			Record Type			
Range Unit	One Day 🔻 [Prev. Ne:	xt ⊠ User	🖂 Alarm		
From: 2008/ July /C + To: 2008/ July /C + Motion RETR						
Record Backup Ever	nt			Query		
Time	Event	IP	Description	<u>^</u>		
07/08/08 14:05:02	Login	60.251.8.52				
07/08/08 14:03:52	Logout	60.251.8.52				
07/08/08 14:00:16	Login	60.251.8.52				
07/08/08 13:57:47	Logout	60.251.8.52				
07/08/08 13:57:22	Login	60.251.8.52				
07/08/08 13:57:16	Logout	60.251.8.52				
07/08/08 13:53:03	Login	60.251.8.52				
07/08/08 13:52:58	Logout	60.251.8.52		Ē		
07/08/08 13:52:56	Login	60.251.8.52				
07/08/08 13:52:49	Logout	60.251.8.52				
07/08/08 13:48:11	Login	60.251.8.52				
07/08/08 13:48:05	Logout	60.251.8.52				
07/08/08 13:47:59	Login	60.251.8.52				
07/08/08 13:47:49	Logout	60.251.8.52				
07/08/08 12:38:47	Login	60.251.8.52				
07/08/08 11:50:07	Logout	60.251.8.52				
07/08/08 11:45:57	Logout	60.251.8.52		~		
<		Ш		>		
Total Records:	18 Dela	ete Delete All	Play Repair	Apply Close		

Button / Function	Description	
Range Unit	Set different time range unit (One Day / One Week) of the event logs.	
Date Selection (From / To)	Choose the specific date range including the event / record logs you might want.	
Query	When all the search criteria are set, click to search the specified logs. The result will be	
	displayed in the log list, arranged by time from the earliest to the latest.	
Delete / Delete All	Click "Delete" to remove the selected log(s), or click "Delete All" to clear the current log	
	list.	
	Tip: To select more logs all at once, press and hold the "Ctrl" key on your	
	keyboard, and click to select the logs you want to remove.	
Play	Click to play the selected download log. The playback panel will be shown for your further	
	operation. For playback details, please see "Playback Screen" on Page 31.	
Close	Click "Close" to quit this window.	

Playback Screen

When you select and play the recorded data for a specific log, you will immediately go into the playback mode, and the following playback panel appears.





NO.	Function	Description	
1	Playback / Download Info Display	This area shows the detailed playback / download information, such as the file name, record date and time, and the speed, etc.	
2	Playback Progress Bar	This area shows the playback progress and the progress percentage.	
3	Playback Operation	This area is enabled only when the playback is started. (Rewind) / (Forward) / (Stop) / (Pause) / (Play) (Rewind / Forward Click once to get 2X fast rewind / forward, twice to get 4X, three times to get 8X, and four times to get 16X the highest.	
4	De-Interlace	Click to reduce the vibration of the paused picture.	

6. IE WEB BROWSER

6.1 Access the Camera from an IE Web Browser

You can view the images or operate your network camera from an IE web browser.

Note: The supported PC operation systems are Windows 2000 and Windows XP.

Step 1: Key in the IP address used by your network camera in the URL address box, such as "http://ipcam.dyndns.org", and press Enter. You will be prompted to enter the user name and password to access the network camera. If the port number your network camera used is NOT 80, you need to key in the port number additionally. *The format is "<u>http://ipaddress:portnum"</u>*.

Take dynamic IP type as an example: Host name "ipcam.dyndns.org" / Port number "202". Key in "*http://ipcam.dyndns.org:202*" into the URL address box, and press "Enter".

Step 2: Enter the user name and password, the same as the ones used at the Video Viewer, and press "OK". You will see a similar screen as the following when the login information is correct.



6.2 Toolbar Display on the IE Web Browser

NO.	Function		Description
	Main	ActiveX / Quick Time	According to the type of web browser on your operating system, choose the ActiveX or
	i Main		QuickTime controls.
		TCP / UDP	Choose the internet transmission protocol: TCP / UDP.
		BEST / HIGH / NORMAL / LOW	Choose the image quality: BEST / HIGH / NORMAL / LOW
		VGA / QVGA	Choose the image size: VGA (640 × 480) / QVGA (320 × 240).
		Audio On / Audio Off	Choose the audio function: On or Off.
			(This audio function is only for AVI202 and AVI212 model)
2	Notwork	Static IP / DHCP / PPPOE / DDNS	In the "Network" page, you can set the network configuration of the network camera. For
2	2 Network		details, please refer to "Network" section of the Video Viewer on Page 22.
		SNTP	Set the SNTP (Simple Network Time Protocol) for the time setting. For details, please refer
			to SNTP" section of the Video Viewer on Page 26.
		FTP	Assigned a specific FTP site for the motion/alarm notification function. For details, please
			refer to "FTP" section of the Video Viewer on Page 26.
		MAIL	Assigned a specific email account for the motion/alarm notification function. For details,
			please refer to "MAIL" section of the Video Viewer on Page 27.
NO.	Function		Description
-----	-------------	--------------------------	---
3	Camera	Snapshot Path	Set the location where the snapshot pictures are saved.
			According to the bandwidth, set the required frame rate (FULL / HALF / ONE THIRD /
		Frame Rate	QUARTER / ONE FIFTH / ONE TENTH / ONE FIFTEENTH). For details, please refer to
			"Video" section of the Video Viewer on Page 27.
		System Type	Set the system type of the connected network camera (NTSC / PAL).
		Stream Format	Select the stream format of the network transmission (MPEG-4 / Motion JPEG).
		Maximum Exmanue Limita	To compensate for the lighting conditions, the maximum exposure time can be adjusted.
		Maximum Exposure Limits	For details, please refer to "Video" section of the Video Viewer on Page 27.
			Motion detection is used to generate a motion trigger whenever a movement occurs in the
		Detection	video image. Set the motion detection area. For details, please refer to "Trigger" section of
	M C		the Video Viewer on Page 21.
			Set different motion sensitivity level according to different application. For details, please
		Motion Sensitivity Level	refer to ""Trigger" section of the Video Viewer on Page 21.
			Adjust the brightness / contrast / hue / saturation for the network camera. For details,
		Color Setting	please refer to "5.1 Color Setting" section of the Video Viewer on Page 15.
5	General	Language	Support English / Chinese language for the web interface.
			please refer to "5.1 Color Setting" section of the Video Viewer on Page 15. Support English / Chinese language for the web interface. Display the MAC address of the network camera. For details, please refer to "General" section of the Video Viewer on Page 18.
		Mac Address	For details, please refer to "General" section of the Video Viewer on Page 18.
			In the "Log" page, you can see all the logs for the network camera, such as "POWER ON",
		Lee	"REMOTE LOGIN", "RESET DEFAULT", "EMAIL", "FTP", "DDNS", "PPPOE", "DHCP" and
		Log	"SNTP UPDATE"etc. For details, please refer to "Log" section of the Video Viewer on
			Page 19.
			Add / Edit / Delete the user name, password, user level and life time for accessing the
		Account	network camera. For details, please refer to APPENDIX 2 USER LEVEL FOR REMOTE
			OPERATION" on Page 39.
			Set the motion trigger and/or alarm trigger function, such as "Trigger Motion", "Trigger
		- • • • • •	Alarm" and "Trigger Duration". Set the motion trigger and/or alarm trigger notification
		Ingger	function, such as "Method" and "Record Time". For details, please refer to "Trigger" section
			of the Video Viewer on Page 21.
			Display and upgrade the firmware version of the network camera. For details, please refer
		Configure	to "5.5 Tools" section of the Video Viewer on Page 28.
	Onershet	2	Click this button to take a snapshot of the current view. The snapshot will be saved in the
б	Snapsnot		path you specified in the "Snapshot Path" of the "Camera" menu from the IE browser.
7	QVGA Resize	€	Click this button to enlarge the QVGA viewing size in the live view.

7. QUICKTIME PLAYER

You can also use the QuickTime player to log into the network camera and check the live view only.

- **Note:** QuickTime is Apple's multimedia software. You need to have QuickTime installed in you computer first, and you can access the network camera to see the live view.
 - Step 1: Go to Apple's official website to download QuickTime. The website address is as follows: <u>http://www.apple.com/quicktime/win.html</u>
 - a). Click "Download" to go into the download page, and select to download the free player.
 - b). Leave your Email address, and press "Free Download Now" to download the latest QuickTime player.
 - c). When the download is completed, execute the "QuickTimeInstaller.exe" file, and follow the on-screen instructions to finish the installation procedure.
 - Step 2: Open your QuickTime player. Select "File" → "Open URL", and key in the URL address. The URL format for MPEG4 IP cameras is "rtsp://ipaddress:port/live/mpeg4". The URL format for H.264 IP cameras is "rtsp://ipaddress:port/live/h264". For example, if the IP adderss is "avtechipcam.dyndns.org" and port number is "201", key in "rtsp://avtechipcam.dyndns.org:201/live/mpeg4" in the URL box. Click "OK" to continue.



Step 3: A pop-up window will appear and prompt you to enter the authentication information. Key in the user name and password for accessing your network camera. The user name and password are the same as the ones you use to log into the Video Viewer.

If the information is correct, press "OK" to go on. If not, press "Cancel" to quit the accessing.

QuickTime	Internet Authentication	\mathbf{X}
Enter userna	me for Server at ipcarn.dyndns.org	
Userid:	admin	-
Password:	REEDOR	
	Cancel	

Step 4: When the login is successful, you will see a similar screen as the following.



APPENDIX 1 RECORDING TIME TABLE

The following table lists the recording time table for AVI202 and AVI203 and takes PAL video system image capture as an example. The compression format for AVI202 is MPEG4, and the one for AVI203 is H.264.

• Table 1: static state

Resolution	Quality	AVI	202	AV	203
Resolution	Quanty	Frame Rate	MB/Hrs	Frame Rate	MB/Hrs
		full	992	full	1044
		1/2	728	1/2	440
		1/3	552	1/3	304
	Best	1/4	458	1/4	240
		1/5	442	1/5	198.6
		1/10	232	1/10	113.7
		1/15	153.2		
		full	826	full	396
		1/2	490	1/2	193.4
		1/3	364	1/3	139.8
	Frame Rate MB/Hrs Frame Rate MB/Hrs Iul 992 full 1044 112 728 1/2 440 113 552 1/3 304 114 456 1/4 240 115 442 1/5 198.6 116 442 1/5 198.6 116 222 1/10 113.7 117 490 1/2 193.4 113 384 1/3 138.6 112 490 1/2 193.4 113 384 1/3 138.8 114 330 1/4 124.2 115 296 1/5 95.8 116 1490 full 128.8 - 117 128.8 - - - 116 1490 full 128.5 114 117 122.6 1/3 95.2 116 124 116 <t< td=""></t<>				
	5	1/5	1/2 728 1/2 440 1/3 552 1/3 304 1/4 458 1/4 240 1/5 442 1/5 198.6 1/10 232 1/10 113.7 1/15 153.2 - - - full 826 full 396 1/2 193.4 1/3 364 1/3 139.8 1/4 124.2 1/5 1/5 296 1/5 95.8 1/10 64.5 1/10 64.5 1/10 163.2 1/10 64.5 1/11 109.4 1/2 109.4 1/3 226 1/3 85.2 1/4 175.2 114 196.6 1/4 75.2 1/4 196.6 1/4 75.2 1/4 104 104 114 104 115 114 104 114 104 115 114 104 115 114 104 115		
		1/10			
		1/15			
VGA		1/15 153.2 full 826 full 396 $1/2$ 490 $1/2$ 193.4 $1/3$ 364 $1/3$ 139.8 $1/4$ 330 $1/4$ 124.2 $1/5$ 296 $1/5$ 95.8 $1/10$ 163.2 $1/10$ 64.5 $1/15$ 128.8 full 490 full 208 $1/2$ 278 $1/2$ 109.4 $1/3$ 226 $1/3$ 85.2 $1/4$ 196.6 $1/4$ 75.2 $1/5$ 180.6 $1/5$ 64.6 $1/10$ 100.8 $1/10$ 45.9 $1/15$ 79.4 full 276 full 104 $1/2$ 185.4 $1/2$ 62.8 $1/3$ 147.6 $1/3$ 51.2 $1/4$ 131.8 $1/4$ 50.			
		1/2	278	1/2	109.4
		1/3	226	1/3	85.2
	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				
		$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$			
	${\sf High} = \left \begin{array}{cccccccccccccccccccccccccccccccccccc$				
VGA VGA High					
		full	276	full	104
		1/2	185.4	1/2	62.8
		1/3	147.6	1/3	51.2
VGA	Basic	1/4	131.8	1/4	50.2
		1/5	125.2	1/5	44.2
		1/10	68.2	1/10	36
		1/15	56.8		
		full	778	full	136.8
		1/2	464	1/2	84.2
		1/3	352	1/3	65.2
	Best	1/4	292	1/4	63
VGA VGA Initial 1032 (13) - 103 364 117 306 117 122 193 301 114 124 114 124 114 124 114 124 114 124 111 120 111 120 111 120 111 120 111 120 111 120 111 120 111 120 111 120 111 120 111 120 120 111 120 121<	52.8				
	VGA 1/5 1/6 1/2 1/5 198.6 1/10 232 1/10 113.7 1/115 153.2 1/115 153.2 1/115 153.2 1/115 153.2 1/115 133.3 134 133.4 139.8 1/15 296 1/16 95.8 110 144 124.2 1/15 128.8 - - - - - 1/115 128.8 -				
		1/15	78.4		
		full	522	full	86.8
		1/2	290	1/2	58
		1/3	218	1/3	48.2
	High	1/4	187	1/4	45.8
		1/5	170.2	1/5	41.6
		1/10	91.4	1/10	35.1
QVGA		1/15	66.6		
		full	288	full	64.2
		1/2	172	1/2	47.8
		1/3	140.6	1/3	41.6
	Normal	1/4	124	1/4	39
		1/5	111.6	1/5	37.4
		1/10	63	1/10	33
		1/15	55.4		
		full	166	tull	52
		1/2	112	1/2	40.8
	_ .	1/3	91.8	1/3	37.2
	Basic	1/4	80.6	1/4	35
		1/5	83.6	1/5	34.4
		1/10	49.4	1/10	31.8
		1/15	36.2		

Table 2: dynamic state

Desclution	Quality	AVI	202	AVI203		
Resolution	Quality	Frame Rate	MB/Hrs	Frame Rate	MB/Hrs	
		full	978	full	1743	
4CIF		1/2	843	1/2	660	
		1/3	582	1/3	414	
Resolution Quality AVI202 AVI203 Frame Rate MB/Hrs Frame Rate Frame Rate 101 978 full 12 112 843 112 13 113 582 13 14 115 384 1/8 14 115 384 1/8 - 1110 257.1 11/10 1/13 1111 951 1111 1/14 112 552 1/12 113 399 1/3 1/4 116 527.1 1/16 1/16 117 399 1/3 1/4 117 399 1/3 1/4 117 399 1/3 1/4 116 606 full 1/12 113 286.8 1/3 1/14 117 201 1/15 1/14 117 201 1/15 1/14 117 1/15 <td>Best</td> <td>1/4</td> <td>453</td> <td>1/4</td> <td>339</td>	Best	1/4	453	1/4	339	
		1/5	384	1/5	259.5	
		1/10	257.1	1/10	135	
		1/15	174.3			
		full	951	full	1158	
		1/2	552	1/2	615	
		1/3	399	1/3	435	
	Hiah	1/4	315	1/4	357	
	282					
		1/10	1/10 257.1 $1/10$ 133 $1/15$ 174.3 full 951 full 1158 $1/2$ 552 $1/2$ 615 $1/3$ 399 $1/3$ 435 $1/4$ 315 $1/4$ 357 $1/5$ 274.5 $1/5$ 282 $1/10$ 194.1 $11/10$ 159.3 $1/15$ 148.8 full 606 full 870 $1/2$ 354 $1/2$ 534 $1/3$ 266.8 $1/3$ 378 $1/4$ 217.8 $1/4$ 303 $1/5$ 201 $1/5$ 261.3 $1/10$ 157.8 $1/10$ 138.2 $1/15$ 122 330 $1/2$ 384 $1/3$ 248.4 $1/3$ 285 $1/4$ 200.1 $1/4$ 207.6			
		1/15				
4CIF	High 1.0 <th1.0< th=""> <th1.0< th=""></th1.0<></th1.0<>					
4CIF		1/2	354	1/2	534	
		1/2	286.8	1/2	378	
	Normal	1/0	200.0	1/0	303	
	invittial	1/4	217.0	1/4	261 2	
		1/10	157.9	1/10	126.2	
		1/10	107.0	1/10	130.2	
		1/10 full	552	 full		
		1/2	200	1/2	705	
		1/2	330	1/2	384	
	Desia	1/3	248.4	1/3	285	
	Basic	1/4	200.1	1/4	207.6	
		1/5	1//	1/5	194.7	
		1/10	129	1/10	104.1	
		1/15	104.4			
		full	909	full	588	
		1/2	543	1/2	363	
		1/3	378	1/3	260.4	
4CIF Normal Basic Best CIF	Best	1/4	278.4	1/4	3676	
		1/5	255.3	1/5	182.4	
	1/10	166.8	1/10	105		
	High 1/3 399 1/3 435 11/3 315 11/4 3357 11/5 274.5 1/5 282 11/10 194.1 11/10 159.3 11/15 148.8 11/15 148.8 11/2 354 1/2 534 11/2 354 1/2 534 11/2 354 1/3 378 11/2 354 1/3 378 11/2 354 1/10 156.2 11/10 157.8 1/10 136.2 11/15 126.9 11/2 330 1/2 384 1/3 248.4 1/3 285 11/2 330 1/2 384 1/3 248.4 1/3 285 11/10 129 1/10 104.1 11/15 104.4 - <					
	$\mbox{CIF} \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					
		1/2	290.4	1/2	275.4	
CIF		1/3	208.2	1/3	209.4	
	High	1/4	167.4	1/4	166.5	
		1/5	146.4	1/5	151.8	
		1/10	105	1/10	87.3	
		1/15	80.4			
		full	348	full	366	
		1/2	181.5	1/2	231	
		1/3	136.8	1/3	156.6	
	Normal	1/4	114.3	1/4	138.6	
		1/5	102.3	1/5	120.6	
		1/10	81	1/10	73.8	
		1/15	67.2			
	<u> </u>	full	202	full	250	
		1/2	143.4	1/2	166.5	
		1/3	110.7	1/3	127.8	
	Rasic	1/4	93.6	1/4	105	
	Busic	1/5	82.5	1/5	95.4	
		1/10	66.9	1/10	<u>59</u> 1	
		1/15	62.0			
			V L .T			

• Table 3: Suggested Settings

Note: It is recommended to take the following settings for Frame Rate / Resolution / Quality when you use AVI203 under the upload speed of 2M / 1M / 512Kbps.

Upload		H.264			MPEG4	4		MJPE	3
Speed	Resolution	Quality	Frame Rate	Resolution	Quality	Frame Rate	Resolution	Quality	Frame Rate
2M	4CIF	Normal	full	4CIF	Normal	1/3	4CIF	Normal	1/4
1M	4CIF	Normal	1/3	4CIF	Normal	1/5	4CIF	Normal	1/5
512Kbps	4CIF	Normal	1/4	CIF	High	1/5	CIF	Normal	1/4

APPENDIX 2 USER LEVEL FOR REMOTE OPERATION

• For Video Viewer (AVI201 / 202 / 203 / 212)

	Supervisor	Power User	Normal User	Guest
Address Book	•	•	•	•
Emap	•	•	•	•
Miscellaneous Control				
Color Setting	•	X	X	X
Backup	X	X	X	X
Record Setting	•	•	•	•
Server Setting	•	X	X	X
Tools				
* Update	•	X	X	X
* Language	•	•	•	•
Status List	•		•	•
Record	•	•	•	•
Snapshot	•		•	•
Information		•		•

• For Web Browser (AVI201)

	Supervisor	Power User	Normal User	Guest
Main				
Connection Mode		•	•	•
Protocol		•	•	•
Quality		•	•	X
Change resolution	•	•	•	Х
Network				
DDNS	•	•	X	X
SNTP	•	X	X	Х
FTP	•	•	X	Х
MAIL	•	•	X	Х
Camera				
Color	•		X	X
General				
Log	•	X	X	Х
Account	•	X	X	X
Trigger			X	X
Configure	•	X	X	X
Snapshot		•		•

• For Web Browser (AVI202)

	Supervisor	Power User	Normal User	Guest
Main				
Connection Mode		•	•	•
Protocol	•	•	•	•
Quality		•	•	X
Change resolution	•	•	•	X
Audio function		•	•	X
Network				
DDNS		•	X	X
SNTP	•	X	X	X
FTP	•	•	X	X
MAIL		•	X	X
Camera				
Color	•	•	X	X
General				
Log	•	X	X	X
Account	•	X	X	X
Trigger		•	X	X
Configure	•	X	X	X
Snapshot	•	•	•	•

• For Web Browser (AVI203)

	Supervisor	Power User	Normal User	Guest
Main				
Stream format	•	•	•	
Quality	•	•	•	Х
Change resolution	•	•	•	Х
Audio function	•	•	•	Х
Network				
DDNS	•	X	X	Х
SNTP	•	X	X	Х
FTP	•	X	X	X
MAIL	•	X	X	Х
Filter	•	X	X	X
UPnP	•	X	X	X
Camera				
Color		X	X	X
Time		X	X	X
General				
Log		X	X	X
Account		X	X	X
Trigger	•	X	X	X
Video		X	X	X
Configure		X	X	X
Snapshot		•		•

APPENDIX 3 DEFAULT VALUE

• Default Value

Items	Default Value
 Default Network Settings: 	
User Name	admin
Password	admin
Port	80
IP Address	192.168.1.10

AVI 201 / 202 / 212

網路攝影機

使用手册



在使用本機前請務必詳細閱讀安全須知及操作說明,並保存此手冊以備後續參考。 產品外觀以實機為主。

注意





注意:

爲減低觸電的可能性,請勿讓此機器暴露在雨中或潮濕的環境下。請務必使用適當的變壓器。本公司不負責賠償任何因不當 使用本產品所引起的損害。即使本公司已被告知可能的相關風險,使用者仍應自行承擔不當使用所產生之後果。

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CE	此機器的製造符合無線電波干擾的規範。

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版本

韌體版本:1022-1020-1001 Video Viewer AP 軟體:0050

目錄

	. 1
簡介	. 1
產品特色	1
包裝明細	. 1
產品規格	2
硬體概述	. 3
北京	3
月110	.3
安裝	. 4
	. 4
指足IP 位址與仔收擴影機	0
VIDEO VIEWER 基本操作	. 7
即時影像顯示百面	7
Address Book (連線位址簿)	8
Manual Record (手動錄影)	9
· 影像回放	10
,快照	11
Information (資訊)	11
VIDEO VIEWEB 甘仙妳制功能素而	12
VIDLO VILWLIK 开心在的力配鱼面	12
顏色設定	13
顏色設定 備份 (限 DVR)	13 13
顏色設定備份 (限 DVR)	13 13 14
顏色設定	13 13 14 16
顏色設定	13 13 14 16 16
顏色設定	13 13 14 16 16 17
顏色設定	13 13 14 16 16 17 17
顏色設定	13 13 14 16 16 17 17 18
顏色設定	 13 13 14 16 16 17 17 18 18 10
 顏色設定	 13 13 14 16 16 17 18 18 19 20
顏色設定	 13 14 16 16 17 18 19 20 23
顏色設定	 13 14 16 17 18 19 20 23 23
顏色設定	 13 14 16 16 17 18 19 20 23 23 24
顏色設定	 13 14 16 16 17 18 19 20 23 24 24
顏色設定 備份 (限 DVR) 錄影設定 伺服器設定 General (一般設定) Log (記錄) Account (權限管理) Online User (線上使用者) Trigger (觸發) Network (網路設定) DDNS SNTP FTP (影像上傳) MAIL (郵件管理) Video (影像設定) Detection (位移偵測設定)	 13 14 16 17 18 19 20 23 24 24 25
顏色設定 備份 (限 DVR) 錄影設定 伺服器設定 伺服器設定 General (一般設定) Log (記錄) Account (權限管理) Online User (線上使用者) Trigger (觸發) Network (網路設定) DDNS SNTP FTP (影像上傳) MAIL (郵件管理) Video (影像設定) Detection (位移偵測設定) Tools (工具)	 13 14 16 17 18 19 20 23 24 25 25
顏色設定	 13 14 16 17 18 19 20 23 24 25 25 25
顏色設定	 13 14 16 17 18 19 20 23 24 25 25 26
顏色設定 備份 (限 DVR) 錄影設定 伺服器設定 General (一般設定) Log (記錄) Account (權限管理) Online User (線上使用者) Trigger (觸發) Network (網路設定) DDNS SNTP FTP (影像上傳) MAIL (郵件管理) Video (影像設定) Detection (位移偵測設定) Tools (工具) 更新韌體 Status List (狀態清單) 錄影清單	13 14 16 17 17 18 19 20 23 24 25 25 25 26 26
顔色設定	 13 14 16 17 18 19 20 23 24 25 26 28
顏色設定 備份 (限 DVR)	13 14 16 17 17 18 19 20 23 24 25 25 26 28 28 28

6. IE 網路瀏覽器	
6.1 透過 IE 網路瀏覽器存取攝影機	
6.2 IE 網路瀏覽器的工具列說明	
7. QUICKTIME 播放程式	
附錄 1 預設值	

1. 產品概觀

1.1 簡介

此攝影機系列屬於網路型數位監控裝置,內建了網路伺服器以方便進行遠端監控與錄影。此系列還支援 TCP/IP 網路協定,能以 MPEG4 或 MJPEG 的格式來進行即時影像傳輸,而且還能透過網頁或隨附的影像觀看程式 AP 軟體來控制攝影機。 不論您身在何時何地,IP 網路影像監控就是如此輕鬆容易。



1.2 產品特色

- 影片傳輸不延遲,提供清晰流暢的影像
- 數位 / 類比影像輸出
- 位移偵測與警報通知功能
- 高畫質影像感測器
- 支援完整的 IP 監控系統,例如:中控管理系統 (Central Management System, CMS) 軟體、網路儲存設備 (Network-Attached Storage, NAS)、網路影像錄影主機 (Network Video Recorder, NVR) 等等。
- 支援外接式聲音輸入 / 聲音輸出,以進行雙向語音傳輸 (僅限 AVI202、212)
- 日夜兩用型 (僅限 AVI202、212)

1.3 包裝明細

□ 網路攝影機	□ RJ45 網路線
□ 變壓器與電源線	□ 快速使用指南
□ 支架	□ CD-ROM,內含使用手冊和 Video Viewer 軟體

1.4 產品規格

產品規格	AV	1201	AVI202	AVI212		
■ 網路						
LAN 埠 是						
LAN 速度	10/100 Based-T Ethernet					
支援的協定	DDNS \ PPPoE \ DHCP \ NTP \ SNTP \ TCP/IP \ ICMP \ SMTP \ FTP \ HTTP \ RTP \ RTSP					
Frame 速度			NTSC : 30 \ PAL : 25			
線上使用者人數			10			
安全性設定			多種使用者存取權限與密碼設定			
網路管理軟體			是 (最多可同時控制 16 隻網路攝影	機)		
■ 影音						
影像壓縮格式			MPEG4 / MJPEG			
			是			
影像調整		Br	ghtness、Contrast、Saturation 和] Hue		
聲音壓縮格式		否	uLaw	128kbps		
		否	內建麥克風	· 外接麥克風		
		否		是		
■ 攝影機						
影像感測器			1/3.6" 影像感測器			
像素			738(H) x 480(V)			
鏡頭	f3.6mm	f4.6mm	f3.6mm			
F值			F2.0			
角度	80° 55.6° 80°					
快門速度	1 / 60 (1/50) to 1 / 100,000 sec					
IR LED	否是					
最低照度	1 Lux / F2.0 1 Lux / F2.0; 0 Lux (10m IR ON)					
影像輸出	1.0 Vp-p. 75Ω					
背光補償 (BLC)	AUTO					
白平衡	ATW					
■ 其他						
遠端控制			是			
位移偵測			是			
警報與事件通知		可	設定影像上傳到 FTP 和/或電子郵件	+位址		
輸入/輸出		否	警報	輸入 x1		
電源	12VD0	C	12VDC \ 0.5A	PoE (Power over Ethernet)		
操作溫度			0~40 °C			
 溼度			85%			
網路瀏覽最低設備需求	 Pentium 4 CPU 1.3 GHz 或更高,或同等級 AMD 256 MB RAM AGP 圖形介面卡、Direct Draw、32MB RAM Windows XP、Windows 2000 Server、ME、98、DirectX 9.0 或更新版本 					
└── 尺寸 (長 x 寬 x 高)**		152.5	5 x 115.2 x 40.2 mm (6.00" x 4.54"	x 1.58")		
總重量		8	12g (1.79 lbs),内含支架和電源供	應器		
	室內用					

* 規格變動以實際產品為準,將不另行通知。 ** 尺寸誤差範圍:±5mm

・ 尺寸: 152.5 (長) x 115.2 (寬) x 40.2 (高) mm





152.5mm

2. 硬體概述

2.1 背板





連接孔/按鈕	說明
回復原廠預設値	此按鈕是隱藏在針孔之中。請按住此按鈕,直到網路攝影機重新開機為止。此舉將會重設所有參數回原廠設定值,包括 IP 位址。
電源指示燈	將攝影機上電後,此指示燈會顯示為紅色。
聲音輸出 (僅限 AVI202 / AVI212)	支援到聲音裝置的連接,例如喇叭,以進行遠端聲音傳輸。
聲音輸入 (僅限 AVI202 / AVI212)	支援到聲音裝置的連接,例如麥克風,以進行本機端聲音傳輸。
影像輸出	使用影像傳輸線 (例如有 BNC 接頭的 RCA 線,或者同軸電纜) 連接到螢幕的影像輸入孔,以進行 影像輸出。 * 影像傳輸線為選購配備。
LAN	使用隨附的 RJ45 網路線,將攝影機連線上網。
電源插孔	連接到 DC 12V 變壓器來提供電源。
警報插孔 (僅限 AVI202 / AVI212)	支援到警報裝置的連接。

2.2 上方 & 下方





3.1 硬體安裝

本攝影機有兩種安裝方式:吸頂式和桌上式。不論選擇何種安裝方式,請確認攝影機的上方永遠朝上(如圖1所示),以確保影像輸出不會顛倒。

註:以下安裝圖片皆以吸頂式安裝為範例。

註:如需得知詳細的連接方式,請參閱第3頁的"2.硬體概述"。

所需工具:電鑽 x 1 (未隨附銷售包裝提供)

備妥安裝攝影機所需的所有組件。
 如圖1所示,在銷售包裝內找出網路攝影機、支架包裝盒、一包螺絲和壁虎,以及一個防塵帽。
 打開支架包裝盒後,會看到支架被分解成三個部分:底座、聯結桿和聯結鎖。



2. 鎖住支架底座。

先將支架底座鎖在您要安裝攝影機的位置。

圖 2:將底座鎖到天花板



3. 組合支架:

a).將聯結桿對準底座中間的孔,然後旋轉鎖緊 (如圖 3 所示)。 b).將聯結鎖對準聯結桿,然後旋轉鎖緊 (如圖 4 所示)。







*

4. 連接攝影機和支架。

吸頂式:

將攝影機上方的螺絲孔對準聯結鎖的螺紋,然後旋轉鎖 緊攝影機 (如圖 4 所示)。 桌上式: 將攝影機下方的螺絲孔對準聯結鎖的螺紋,然後旋轉鎖

緊攝影機。



- 5. 將防塵帽插入攝影機另一個螺絲孔。 吸頂式: 將防塵帽插入攝影機下方的螺絲孔 (如圖 5 所示)。 桌上式: 將防塵帽插入攝影機上方的螺絲孔。
- 6. 調整攝影機的監視角度,然後鎖緊聯結鎖固定角度。 圖6為安裝完成圖。





圖 6:安裝完成圖



3.2 指定 IP 位址與存取攝影機

步驟1. 安裝軟體

將隨附的 Video Viewer AP 軟體光碟放到 DVD- / CD-ROM 光碟機中。安裝程序會自動啓動。請遵照螢幕上的指示安裝此軟體。安裝完成後,電腦桌面會出現 "Video Viewer" 捷徑圖示。

步驟 2. 使用隨附的 RJ45 網路線讓攝影機連線上網

步驟 3. 搜尋可用的 IP 位址進行登入

- a) 連按兩下桌面上的 "梁" 圖示進入 Video Viewer 控制面板。依據預設, Video Viewer 控制面板右側會顯示 "Address Book" (1) 連線位址簿書面。
- b) 按一下 "■Q■" (Search) → "■ (Refresh) 搜尋可用的 IP 位址。之後會列出找到的位址。您可以按 "■ EF
 (Add into address book) 將該位址加入連線位址簿。

詳情請參閱第9頁的 "**—** 🔍 "(Search)。

d) 連按兩下連線位址簿裡的 IP 位址即可進行登入。

註:如需得知不同網路類型 (Static IP / PPPOE / DHCP) 的網路設定資訊,請參閱第 19 頁的 "Network (網路設定)"和 第 20 頁的 "DDNS"。

若找不到可用的 IP 位址,請遵照以下指示進行。

步驟 4. 新增 IP 位址與其他網路設定來進行登入。

a) 連按兩下桌面上的 "梁" 圖示進入 Video Viewer 控制面板。依據預設, Video Viewer 控制面板右側會顯示 "Address Book" 連線位址簿畫面。

b) 預設的網路攝影機設定如下:

項目	預設値
IP 位址	192.168.1.10
使用者名稱	admin
密碼	admin
連接埠號	80

和連接埠號。

項目	預設値
IP 位址	192.168.1.10
使用者名稱	admin
密碼	admin
連接埠號	80

d) 連按兩下您剛加入連線位址簿的 IP 位址進行登入。

4. VIDEO VIEWER 基本操作

4.1 即時影像顯示頁面

在設完網路資訊、登入使用者名稱和密碼之後,連按兩下電腦桌面上的"デ"來開啓和登入 Video Viewer 控制面板。您會看見類似以下的畫面,分成六個主要區域:



NO.	按鈕	功能	說明
0	01 02 00 04	影像顯示	若連接了兩隻或兩隻以上的網路攝影機,按一下對應的藍色標籤即 可切換到另一個攝影機畫面。顯示在藍色標籤上的攝影機名稱是可 以自訂的 (例如: "01"、"02"、"03" 和 "04")。預設的攝影機名稱為 "Camera1"。如需設定攝影機名稱的相關資訊,請參閱第 16 頁的 "General (一般設定)"。本軟體最多可同時控制 16 隻網路攝影機。
		Scale (分割畫面)	按一下可選擇要在單一畫面、4分割、9分割或16分割模式下觀看 影像。
	L	Full Screen (全螢幕)	按一下可全螢幕顯示影像。若要離開全螢幕顯示,請按一下電腦鍵 盤上的 [Esc] 鍵。
	×	Close (關閉)	按一下可關閉目前的影像顯示畫面。 若關閉影像畫面,您就會自動登出。
	⊡	Close All (全部關閉)	按一下可關閉所有影像顯示畫面。 若關閉影像畫面,您就會自動登出。
2		Address Book (連線位址簿)	按一下可顯示預設的 IP 位址。您可以新增、移除或搜尋要遠端登入的網路攝影機 IP 位址。
3		Miscellaneous Control (其他控制功能)	按一下可顯示主要控制功能:聲音頻道選擇、顏色設定、備份、錄 影設定、伺服器設定、升級韌體和尋找事件記錄。
4	🥩 ر 🌑	Record (錄影設定)	按一下可開始 / 停止手動錄影。
5		Snapshot (快照)	按一下可擷取目前畫面的快照。快照影像會儲存在您於第 14 頁的 "5.3 錄影設定"指定的位置下。
6	0	Information (資訊)	按一下可顯示目前的網路連線詳細資訊。

4.2 Address Book 🕕 (連線位址簿)

當 Video Viewer 啓動時會顯示此畫面,讓您可以從此畫面登入 / 出網路攝影機,或者搜尋可連線的 IP 位址,畫面如下:



按一下可顯示預設的網路攝影機詳細資訊。

若要登入,請從位址簿選擇一組 IP 位址,然後連按兩下該位址;若要登出,請連按兩下已連線的 IP 位址。 您也可以自訂新的 IP 位址資訊,或者修改或刪除現有的 IP 位址。

NO.	按鈕	功能	說明		
1		Add (新增)	按一下可新增一組 IP 位址來登入 DVR。輸入所需的網路攝影機存取資訊, 然後按一下 "Apply" (套用) 和 "Close" (關閉),將選取的位址加入連線位 址簿。 『Condigue IP Address: ipcam.dyndns.org Port: 202 User Name: admin Password: ***** Stream Format: ○ MPEG ○ JPEG Av Option: Video/Audio 文 Comment: IR Network Camera [In		
2		Edit (編輯)	從位址清單選取一組 IP 位址,然後按一下此按鈕即可編輯設定。		
3		Remove (刪除)	從位址清單選取想要刪除的 IP 位址,然後按一下此按鈕刪除選取的位址。		
4		Record (錄影)	勾選此核取方塊來啓用錄影設定。詳情請參閱第 14 頁的 "5.3 錄影設定"。此 方塊預設為不勾選。		



按一下可搜尋和查看可連線的 IP 位址來連接到網路攝影機。您可以選擇一組 IP 位址加入連線位址簿、編輯詳細資訊,或者更新連線位址簿清單。

NO.	按鈕	功能	說明
4		Add into address book (加入連線位址簿)	從可用的 IP 位址清單選取一組 IP 位址,然後按一下此按鈕。輸入所需的網路攝影機存取資訊,然後按一下 "Apply" (套用) 和 "Close" (關閉),將選取的位址加入連線位址簿。
5		Setting (設定)	從可連線的 IP 位址清單選擇一組 IP 位址,然後按一下此按鈕編輯相關設定。
6	S	Refresh (更新)	按一下可更新連線 IP 位址清單。

4.3 Manual Record 🚺 (手動錄影)

1) 選擇錄影類型並指定錄影位置

按一下"**①**" (Miscellaneous Control) → "**○**" (Record Setting) 進入 "Record Setting" (錄影設定) 頁面。勾選 Manual (手動) 錄影類型,然後連按兩下 "Video Path" (影片路徑) 欄指定要儲存錄影檔的位置。

Record Man	on/Off ual ⊏ Sc	hedule i	Motion F	Alarm Prev/Pr	ost Event Record Time
Har	l Disk Ove	rwrite		Post	1 Sec
Record	Time Rang	ge			
Weekhy	Custom		- Sche	dule 💻 Alarm	Motion
+ -	2 1 2	3 4 5	878	0 10 11 12 13 14 1	15 16 17 18 19 20 21 22 23
Sun					
Mon					
Tue					
Wed					
Thu					
Fri					
Sat					
Record	Path				
	Total(MB)	Fire(MB)	Reserve(MB)	Valeo Path	Picture Path
V C:	39997	4298	2130	CATEMPVIDED	CATEMPPICTURES
0.	239366	226443	2048	FA	FA

2) <u>格用錄影設定</u>

在 "Record On/Off" (錄影啟動 / 關閉) 一區勾選了 "Manual" (手動) 核取方塊之後, 在連線位址簿畫面勾選 "REC" 核 取方塊 "☑" 即可啓用錄影設定。



3) <u>按一下</u>" (Record) 按鈕開始進行手動錄影

按一下主控制畫面的 " (Record) 就會立即啓動手動錄影,而且錄影檔會儲存在您指定的位置。啓動錄影功能時, 影像顯示畫面的右下方會出現一個閃爍的圓點。

註:如需得知詳細的排程錄影設定、位移偵測設定和警報觸發設定,請參閱第 14 頁的 "5.3 錄影設定"、第 18 頁的 "Trigger (觸發)",以及第 25 頁的 "Detection (位移偵測設定)"。

4.4 影像回放

若要回放錄影檔,請按 "**III**" (Miscellaneous Control) → "**III**" (Status List),然後選擇 "Record" (錄影) 標籤。預設

會顯示所有的錄影檔清單,您也可以依類型列出想要的記錄來加快搜尋的速度。詳情請參閱第 26 頁的 "5.6 Status List (狀態清單)"。

🔁 Status List 🛛										
		7	-				_	Ree	cord Typ	e —
A		<u> </u>	Fron	n: Jzuu#Nov	/ember	/10 <u>=</u>	<u>~</u>		🗹 User	
	Query		To:	2007/ Nov	/ember	/10-	-		🖂 Alam	n
	aucry			,		<u> </u>	_		Motio	on
Record	Backup	Event								
Event	IP	Stau	rt Time	End Tim	e]	File Path		Reserve	Error
User	192.168.1.1	11/10/0	7 12:20:27	11/10/07 12:	20:27	C:\TEM	PVIDEOV	20071		
User	192.168.1.1	11/10/0	7 12:20:27	11/10/07 12:	20:27	C:\TEM	PVIDEOV	20071		
User	192.168.1.1	11/10/0	7 12:02:35	11/10/07 12:	20:27	C:\TEM	PVIDEOV	20071		
Motion	192.168.1.1	11/10/0	7 12:01:52	11/10/07 12:0	01:58	C:\TEM	PVIDEOV	20071		
Motion	192.168.1.1	11/10/0	7 12:01:26	11/10/07 12:0	01:58	C:\TEM	PVIDEOV	20071		
Motion	192.168.1.1	11/10/0	7 12:01:15	11/10/07 12:0	01:58	C:\TEM	PVIDEOV	20071		
User	192.168.1.1	11/10/0	7 11:59:22	11/10/07 12:0	02:24	C:\TEM	PVIDEOV	20071		
User	192.168.1.1	11/10/0	7 11:55:50	11/10/07 11:	56:35	C:\TEM	PVIDEOV	20071		
User	192.168.1.1	11/10/0	7 11:53:35	11/10/07 11:	54:03	C:\TEM	PVIDEOV	20071		
User	192.168.1.1	11/10/0	7 11:51:32	11/10/07 11:	53:08	C:\TEM	PVIDEOV	20071		
User	192.168.1.1	11/10/0	7 11:35:01	11/10/07 11>	45:27	C:\TEM	PAIDEOR	20071		
User	192.168.1.1	11/10/0	7 11:33:25	11/10/07 11::	34:13	C:\TEM	PAIDEOR	20071		
User	59.120.45.234	11/09/0	7 22:13:43	11/09/07 22:	14:41	C:\TEM	PVIDEOV	20071		
User	192.168.1.1	11/09/0	7 22:13:40	11/09/07 22:	14:40	C:\TEM	PVIDEOV	20071		
Total F	lecords: 14	[Delete	Delete All	Pla	ay	Repair	Ap	ply	Close

若要立即回放某錄影檔,請從清單選取一筆記錄,然後按 "Play" (播放) 按鈕,或者連按兩下選取的記錄進行回放。接 著,在主要控制面板下方會出現類似以下畫面的回放控制面板。

有關回放控制面板的詳情,請參閱第30頁的"回放畫面"。



4.5 快照

若要擷取目前畫面的影像,請按一下主控制畫面的 "**IVI"**"(Snapshot)。擷取完影像後,影像顯示畫面的右下角會出現



快照影像會儲存在您於 " (Record Setting) 指定的位置下。如需得知詳細的快照路徑設定資訊, 請參閱第 14 頁的 "5.3 錄影設定"。



4.6 Information 🚺 (資訊)

按一下可顯示目前的網路連線詳細資訊:

- 1) IP Address (IP 位址)
- 2} Transfer Type (傳輸類型)
- 3} Stream Format (影像格式)
- 4) AV Option (AV 選項)
- 5) Bits Rate (位元傳輸速度)
- 6} Frame Rate (Frame 速度)



- 7} Quality (影像品質)
- 8} Resolution (解析度)
- 9) Server Time (伺服器時間)
- 10) Online Users (線上使用者人數)
- 11) Current Disk Capacity (目前的磁碟空間)

5. VIDEO VIEWER 其他控制功能畫面

按一下 Video Viewer 控制面板上的 "**「」」**" (Miscellaneous Control) 會顯示如下的七項功能:



按一下 김 可顯示 Video Viewer 的目前版本。

聲音 / 廣播功能僅限 AVI202、AVI212 才支援。

NO.	按鈕	功能	說明
	🤍 , 🕓	Audio On / Off (聲音開 / 關)	按此按鈕可開啓/關閉網路攝影機的聲音功能。
0	() / ()	Broadcast On / Off (廣播開 / 關)	 在電腦使用廣播功能,將聲音傳到網路攝影機那端。在使用本功能之前,請 確認以下事項已就緒: 電腦已連接到麥克風裝置,並已安裝 Video Viewer 軟體。 連線的網路攝影機已接妥擴音器。 連線的網路攝影機已開啓聲音功能 (↓)。
	4» — I	聲音頻道選擇	若要調整音量,請按住並拖曳音量滑桿。
2		Color Setting (顏色設定)	按此按鈕可調整選取網路攝影機的亮度 / 對比度 / 色度 / 飽和度。詳情請參 閱第 13 頁的 "5.1 顏色設定"。
3		Backup (備份) (限 DVR)	網路攝影機本身並不支援網路備份功能。當 Video Viewer 連線到 DVR 時, 才可使用此功能。您可以透過此軟體登入 DVR,並遠端備份儲存在 DVR 內 的影像資料。詳情請參閱第 13 頁的 "5.2 備份 (限 DVR)"。
4	67	Record Setting (錄影設定)	按一下可進入詳細的錄影設定頁面。詳情請參閱第 14 頁的 "5.3 錄影設定"。
5		Server Setting (伺服器設定)	按一下可進入詳細的伺服器設定頁面。詳情請參閱第 16 頁的 "5.4 伺服器 設定"。
6	*	Tools (工具)	按一下可更新網路攝影機的韌體。詳情請參閱第 25 頁的 "5.5 Tools (工具)"。
Ø	<i>~</i>	Status List (狀態清單)	按一下可檢視所有的錄影清單和登入/登出事件清單、依日期搜尋要找的記錄, 或者回放選取記錄的錄影檔。詳情請參閱第 26 頁的 "5.6 Status List (狀態 清單)"。

5.1 顏色設定

	5		
Brightness			
Contrast			
Hue			
Saturation			

5.2 備份 (限 DVR)

網路攝影機本身沒有網路備份功能。當 Video Viewer 連線到 DVR 時,才可使用此功能。您可以透過此軟體登入 DVR, 並遠端備份儲存在 DVR 內的影像資料。按一下 " I (Miscellaneous Control) → " I (Backup) 進入 "Backup" (備 份) 頁面,然後就可以選取要遠端備份儲存在 DVR 內的錄影檔,可指定備份特定時間範圍內的影像資料,或者備份特 定事件的影像資料。

註:您必須擁有 "Supervisor" 的權限才能執行此功能。詳情請參閱第 17 頁的 "Account (權限管理)"。



NO.	功能	說明
1	IP Address (IP 位址) / Port (埠號) / User Name (帳號) / Password (密 碼)	從下拉式清單選擇想要的網路攝影機IP位址,然後檢查網路連線資訊是否正確。
2	HDD Number (硬碟編號) / Channel (頻道)	指定擁有您要備份之資料的硬碟和頻道。
3	依時間篩選錄影資料	在"Start Time" (開始時間)和 "End Time" (結束時間)欄位指定您要備份的時間範圍。
4	依事件篩選錄影資料	從右側的事件清單中選取您要下載的特定類型。此清單由上而下會先顯示最近一筆的事件,再依序顯示發生時間較早的事件。

NO.	功能	說明
		 ·若要快速找出想要的事件,請勾選或取消勾選"System"(系統)/"Manual"(手動錄影)/"Alarm"(警報)/"Motion"(位移偵測)事件類型,然後選取想要的事件。 ·若想要查看較早或較晚的事件記錄,而該記錄沒有顯示在目前的頁面中時,請按一下"Prev. Page"(前一頁)或"Next Page"(下一頁)。 ·若要更新事件清單,請按一下"Reload"(重新載入)。
5	File Path (檔案路徑)	指定備份下來的檔案要儲存的位置。
6	Display (駬子)	若要在下載時同步觀看備份的影像,請先勾選 "Display" (顯示)。您會在下載備份 影像到電腦時看見影像內容。
		若只要下載備份影像而不要預覽,請取消選取 "Display" (顯示)。您只會看見一個 訊息方塊,指出下載所需的總時間、目前的狀態和儲存位置。
Ø	Download (下載) / Cancel (取消)	按一下 "Download" (下載) 開始備份影像,或 "Cancel" (取消) 不要備份影像。

5.3 錄影設定

按 "**III**" (Miscellaneous Control) → "**III**" (Record Setting) 進入 "Record Setting" (錄影設定) 頁面,即可設定要啓 用的錄影類型 Manual / Schedule / Motion / Alarm (手動錄影 / 排程錄影 / 位移偵測錄影 / 警報錄影),以及錄影檔 / 快照要儲存的位置。

□ Hard Dis Record Tim Weekly C + - 0 Sun	sk Overwri ie Range – ustom	te	- Sch		Post	J	Sec
Record Tim Weekly C + - 0 Sun	e Range- ustom		- Sch		3.		
Weekly C + - 0 Sun	ustom		- Sch				
+ — 0 1 Sun			- 301	iedule 💻	Alarm 🗧	Motion	
Sun	4 3	4 5	6 7 8	9 10 11 12	13 14 15 1	6 17 18 19 20 21 2	2 23
Mon							
Tue							
Wed							
Thu							
Fri							
Sat							
Record Pat	h						
To	tal(MB) Fre	e(MB) R	eserve(MB)	Video	Path	Picture Path	
V C: 3	39997 4	1296	2130	CATEMP	VIDEO\	CATEMPPICTURE\	
D: 3	38523 3 39366 22	871 8443	2048 2048	D	A A	DA FA	

註:完成設定後,勾選連線位址簿畫面的 "REC" 核取方塊 "☑",即可啓用錄影設定。詳情請參閱第8頁的 "4.2 Address

Book **[]]** (連線位址簿)"。



Record On/Off (錄影開 / 關)

在此區中,您可以選擇要啓用的錄影類型,選項有四種: Manual (手動錄影) / Schedule (排程錄影) / Motion (位移偵測 錄影) / Alarm (警報錄影)。

Prev / Post Event Record Time (事件前 / 後錄影時間)

在此區中,您可以按住並拖曳滑桿來設定事件前/後的錄影時間 (0~10秒)。

Hard Disk Overwrite (硬碟覆寫)

勾選此核取方塊後,在硬碟已滿時,會直接從最舊的錄影檔案開始進行覆寫。

Record Time Range (錄影時間範圍)

設定錄影時間的方式有兩種:Weekly (每週) & Custom (自訂)

◆ Weekly (每週)

選取您要啓用錄影的時間方塊。時間間隔為一天 0~24 小時,而且每一天都有三條時間軸,各自代表三種不同的錄影類型。

選取時間方塊時,您會看見方塊變成橘色、粉紅色或藍色:

橘色 => 第一條時間軸,代表排程錄影

粉紅色 => 第二條時間軸,代表警報錄影

藍色 => 第三條時間軸,代表位移偵測錄影

Recor	d T	Ϊm	e	Ra	Inț	ge	_							 					-		_		_	-		-		-	-		-			-		-			-		
Week	ly	c	us	to	n							1		Sc	:h	ed	u	e					Al	ar	m					м	lot	tio	n								
	ŕ	1.				<u> </u>	_	_	_	_	_		_					_	_					_		_	_	_						_		_	_	_	_		_
+ -	0		1	2		3		4		5	6		- 7	8		9		10	1	1	- 12	2	13		14		15	1	6	17		18	- 19	•	20		21	22	2	23	
Sun	H				⊞				Η						Η	H	Η		⊞	Η	₽				₽			Η			Η					H				₽	⊞
Mon	Ħ		Ħ		Ħ			Ħ	Ħ	Ħ				#	Ħ	Ħ	Ħ	Ħ	Ħ	Ħ	Ħ			Ħ	Ħ			Ħ	Ħ		Ħ	Ħ				Ħ		Ħ		#	Ħ
Tue	F				₽			H	Η						H	H	H	H		H	₽				Ŧ			H			H					H		H		₽	Ħ
TUC	Ħ		Ħ	₩	Ħ		Ħ	Ħ	Ħ	Ħ				#	Ħ	#	#	#	Ħ	Ħ	#			Ħ	#			Ħ	Ħ		#	₩				Ħ	₩	Ħ		#	Ħ
Wed	H				⊞										Η		Π				⊞															H				#	⊞
Thu	Ħ				⋕										Ħ		Ħ				#										#							Ħ		#	
Fri	F				Ħ										H	I	Ħ	I			₽				I			I			I							Ħ		₽	
Sat	F				Ħ																																			#	Ħ

秘訣:若要一次設定整週進行排程錄影、警報錄影和位移偵測錄影,請按 "+"按鈕。若要清除所有錄影時間設定,請按 "-"按鈕。

◆ Custom (自訂)

若要指定特定時間進行錄影,請按 "Custom" (自訂)。

Record Time Range			
Weekly Custom			
🔽 Schedule 🔽 Motion 🔽 Alarm	Add	Delete Update	
	Туре	Start Time	End Time
From:			
2007/ Nov. /10 08:30:00 🛨 💌			
To:			
2007/ Nov. /16 18:30:00 🕂 💌			

- a). 選擇想要的錄影類型 Schedule / Motion / Alarm (排程錄影 / 位移偵測錄影 / 警報錄影), 然後設定開始和結束 日期與時間。
- b). 按 "Add" (新增) 後,會跳出蹦現式視窗要求您確認設定。按 "OK" (確定) 新增錄影設定,或按 "Cancel" (取消) 放棄設定。

Information 💌
You will add three item:
Type: Schedule, Motion, Alarm From: 2007/11/10 8:30:00 AM To: 2007/11/16 6:30:00 PM
Are you Sure?
Cancel

C). 在新增錄影設定後,會在自訂錄影清單中看見剛加入的項目。

若要刪除特定項目,請選擇	睪要刪除的項目,然後按	e "Delete" (刪除)	0	
若要修改特定項目,請選取	仅要修改的項目、變更開] 始時間和結束時	間,然後按"U	lpdate" (更新)。

Record Time Range Weekly Custom			
🔽 Schedule 🗖 Motion 🔲 Alarm	Add	Delete Update	
	Type	Start Time	End Time
From:	Schedule	2007/11/10 8:30:00 AM	2007/11/16 6:30:00 PM
	Motion	2007/11/10 8:30:00 AM	2007/11/16 6:30:00 PM
2007/ Nov. /10 08:30:00 🗧 💌	Alam	2007/11/10 8:30:00 AM	2007/11/16 6:30:00 PM
To:			
2007/ Nov. /16 18:30:00 🗧 💌			
2007/ Nov. /16 18:30:00 🕂 💌			

Record Path (錄影檔案存放路徑)

選擇和查看要儲存錄影影片和快照圖片的位置。

若要變更錄影檔或快照的儲存位置,請先勾選要用來儲存的磁碟機、連按二下 "Video Path" (影像路徑) 或 "Picture Path" (圖片路徑),然後選擇要儲存影片檔或快照的新位置。

	Total(MB)	Free(MB)	Reserve(MB)	Video Path	Picture Path
C:	39997	4296	2130	C:\TEMPVIDEO\	CATEMPPICTURE
D:	38523	3871	2048	D:\	D:A
F:	239366	226443	2048	FΔ	FΔ

5.4 伺服器設定

按一下 "**「」**" (Miscellaneous Control) → "**」**" (Server Setting) 進入 "Server Setting" (伺服器設定) 頁面,即可檢 視、設定或修改所有網路攝影機的設定。您在此所做的所有變更都將套用到連線的網路攝影機。

註:您必須擁有 "Supervisor" 的權限才能執行此功能。詳情請參閱第 17 頁的 "Account (權限管理)"。

General (一般設定)

按一	下	"	' (Miscellaneous C	Control) \rightarrow	" "	(Server	Setting)	\rightarrow	"General"	進入	"General"	(一般設定)	頁面。	,在

"General" (一般設定) 頁面會看見以下項目:

Server Setting : avtech	ipcam dyndns.org General		×
Account OnLineUser Trigger	Firmware Version:	1022-1020-1001	
DDNS SNTP FTP	MAC Address:	00:0e:53:08:1d:d3	
- WAIL - Video - Detection	Title:	202	
ок			
Cancel			
Apply			

項目	說明
Firmware Version (韌體版本)	顯示網路攝影機目前的韌體版本。
MAC Address (MAC 位址)	顯示網路攝影機的 MAC 位址。
Title (名稱)	爲網路攝影機命名。字元上限為 15 個字。預設的攝影機名稱為 "Camera1"。

Log (記錄)

按一下 "**III**" (Miscellaneous Control) → "**III**" (Server Setting) → "General" → "Log" 進入 "Log" (記錄) 頁面。

在 "Log" (記錄) 頁面會看見網路攝影機的所有事件記錄,例如: "Power On" (開機)、"Reset Default" (回復預設値)、 "Net Login" (網路登入) 和 "SNTP Update" (SNTP 網路對時) 等等。

- ·若要更新記錄,請按 "Reload" (重新載入)。
- ·若想要查看較早或較晚的事件記錄,而該記錄沒有顯示在目前的頁面中時,請按一下 "Prev. Page" (前一頁)或 "Next Page" (下一頁)。
- •若要清除所有記錄,請按 "Clean" (清除)。

E- General	General :: Log			
- Account - OnLineUser	Reload P	rev. Page	Next Page	Clear
- Trigger Network	Event	Ti	inte	Message
DDNS	SNTP Update	2007/01/0	1 08:09:52	
-SNTP -FTP -MAIL	SNTP Update	2007/01/0	1 08:09:29	
	SNTP Update	2007/01/0	1 08:09:07	
	Net Login	2007/01/0	1 08:02:18	admin
	SNTP Update	2007/01/0	1 08:00:26	
Valeo	Net Login	2007/01/0	1 08:00:24	admin
Detection	Power On	2007/01/0	1 08:00:01	
	Reset Default	2007/01/0	1 08:00:05	
	Power On	2007/01/0	1 08:00:01	
	Reset Default	2007/01/0	1 08:01:54	
	Net Login	2007/01/0	1 08:01:10	edmin
	SN TP Update	2007/01/0	1 08:00:26	
112220	Power On	2007/01/0	1 08:00:01	
OK	Power On	2007/01/0	1 08:00:01	
	Net Login	2007/01/0	1 08:00:30	edmin
Cancel	SN TP Update	2007/01/0	1 08:00:26	
	Power On	2007/01/0	1 08:00:01	
Apply	Power On	2007/01/0	1 08:00:01	

Account (權限管理)

按 "**①**" (Miscellaneous Control) → "**○**" (Server Setting) → "General" → "Account" 進入 "Account" (權限管理) 頁面。在 "Account" (權限管理) 頁面中,您可以建立登入要使用的新帳號,或者刪除或修改現有帳號設定。

若要新增帳號,請按一下 "New" (新增),然後設定 "User Name" (帳號)、"Password" (密碼)、"User Level" (權限) 和 "Life Time" (登入時間)。接著,按一下 "Apply" (套用) 來儲存設定與完成帳號的建立。

🔁 Server Setting : 192.16	68.1.1			×	🔁 Server Setting : 192.168	1.1		×
General Log	General :: Account				General Log	General :: Account		
Account OnLineUser Trigger DDNS SNT? FTP MAIL Video Detection	User Name edmin User Name: User Level:	Uter Level Supervisor Passv	Life Time INFINITE word:		- Account OnLineUser - Inigger Detwork - DDNS - SNTP - FTP - FTP - MAIL - Video - Detection	User Name: dmin User Name: gues User Level: Gues	User Level Sapervisor t Passw	Life Time INFINITE
ОК		New Delete A	Apply		ОК	C	ancel Delete A	pply
Apply	Max User(s): 10	Update	71		Cancel Apply	Max User(s): 10	Update	

- · 若要修改現有帳號,請選取想要的帳號、進行修改,然後按一下 "Apply" (套用)。
- · 若要刪除現有帳號,請選取想要的帳號,然後按一下 "Delete" (刪除)。
- 若要儲存變更,請按一下 "Apply" (套用)。

欄位	說明
帳號	設定要用來進行遠端登入的帳號。帳號最多只允許 31 個字元。
密碼	設定要用來進行遠端登入的密碼。密碼最多只允許 31 個字元。
User Level (權限)	設定帳號的安全權限,以允許控制不同的 Video Viewer 功能。使用者權限共有四種: "Supervisor" (管理員)、 "Power User" (高級使用者)、"Normal User" (一般使用者) 和 "Guest" (訪客)。
	如需得知每種使用者權限可以存取的功能,請見以下資訊:

欄位	說明				
		Supervisor	Power User	Normal User	Guest
		(系統管理員)	(超級使用者)	(一般使用者)	(訪客)
	Address Book	•	•	•	•
	(連線位址簿)				
	Miscellaneous Control	(其他控制功能)			
	Color Setting	•	X	X	X
	(彩色設定)				
	Backup	•	X	X	X
	(備份)				
	Record Setting	•		•	
	(錄影設定)				
	Server Setting	•	X	X	X
	(伺服器設定)				
	Tools (工具)	•	X	X	X
	Status List	•	•	•	•
	(狀態清單)				
	Record (錄影設定)	•	•	•	•
	Snapshot (快照)	•	•	•	•
	 Information (資訊)	•	•	•	•
Life Time (登入時間)	選擇此帳號可停留線上的 1 DAY (1 天) / INFINITE (;	侍間:1 MIN (1 分鐘 永久)	童) / 5 MIN (五分鐘)	/ 10 MIN (10 分鐘) /	1 HOUR (1 小時) /
Max User(s) (最大上線人 數)	最多可允許 10 名使用者同	同時上線。			

Online User (線上使用者)

- 按 "**1**]" (Miscellaneous Control) → "**2**" (Server Setting) → "General" (一般設定) → "OnLineUser" (線上使用
- 者),便可以查看所有的線上使用者資訊。若要更新使用者資訊,請按一下 "Refresh" (更新)。

- General - Log	General :: OnLin	neUser		
OnLineUser Trigger	Online User I	nformation:		Refresh
DDNS	User Name	User Level	IP Address	Media Type
- FTP MAIL - Video Detection	admin	Supervisor	192.168.1.187	MPEG4
OK				
Cancel				
Apply				

Trigger (觸發)



• AVI201

• AVI201			• AVI202 / AV	/1212
🔯 Server Setting : 192.168	3.1.1	×	🔯 Server Setting : evtechipcen	n dyndns org
General Log Account OnLineUser Insee Network DDNS SNTP FTP MAIL Vsieo Detection	General :: Trigger Motion: © Enable © Disable Duration: 5 Seconds Notify Method: I Email I FTP Video Type: © MPEG4 © JPEG		General Log Account OnLineUser Integer Network DDNS SNTP FTP FTP MIL Video Detection	Alarm: C Enable C Disable Motion: C Enable C Disable Duration: 5 Seconds Notify Method: IF Email IF FTP Video Type: C MPEG4 C JPEG
OK Cancel	Total: 3 Seconds		OK Cancel	Total: 4 Seconds
Apply			Apply	

◆ 位移偵測觸發:

您可以在此區選擇啓用位移偵測觸發功能。在啓用此功能之前,請先設定位移偵測區域。如需得知位移偵測區域設 定的詳細資訊,請參閱第 25 頁的 "Detection (位移偵測設定)"。

項目	說明
Motion (位移偵測)	您可以在此區選擇啓用位移偵測觸發功能。
Duration (持續時間)	設定位移偵測觸發時的錄影時間 (5 / 10 / 20 / 40 秒)。

◆ 警報觸發 (僅限 AVI202 / 212):

您可以在此區選擇啓用警報觸發功能。

◆ Notify (通知)

您可以在此區選擇啓用 E-mail 和/或 FTP 通知的功能。

項目	說明
Method (方式)	• Email 通知:
	若啓動了 E-mail 通知功能,網路攝影機就會在觸發位移偵測錄影或警報錄影時,將拍攝
	的影像片段寄到指定的 E-mail 信箱。
	• FTP 通知:
	若啓動了 FTP 通知功能,網路攝影機就會在觸發位移偵測錄影或警報錄影時,將拍攝的
	影像片段上傳到指定的 FTP 位置。
Video Type (影片類型)	顯示觸發後拍攝檔案的影片類型。影片類型會依 " 〔〕〕" (Address Book) 頁面的 "Stream
	Format"(線上傳輸格式)設定而有所不同。
Total (總秒數)	設定影片片段的錄影時間 (1~5秒)。

Network (網路設定)

按"**f**]" (Miscellaneous Control) → "**f**]" (Server Setting) → "Network" (網路設定) 進入 "Network" (網路設定)

頁面。在 "Network" (網路設定) 頁面,您可以設定網路攝影機的網路連線資訊。

General	Network	
- Log - Account - OnLineUser - Trigger - Network - DDNS	IP Type: © Static IP © PPPOE © DHCP Static IP Server IP: 192 158 1 1	
-SN TP FTP		
-MAIL Video	Gateway: 192 . 168 . 1 . 254	
Detection	NetMask: 255 . 255 . 255 . 0	
	Web Port: 80	
ОК	PPP0E	
Cancel	User Name: Password:	
A		

選擇要用來連接到網路攝影機的網路類型,共支援3種網路連線類型:Static IP (固定 IP)、PPPOE 和 DHCP。

註: PPPOE與DHCP網路類型皆需要申請DDNS服務以取得一個"主機名稱"來對應浮動的IP位址。詳情請參閱 "DDNS" 一節。

功能	說明
Web Port (埠號)	一般而言,HTTP所使用的TCP埠多半為80埠。然而有些情形下,建議您最好變更此埠值以增加彈性或安全性。有效數值範圍為1到9999。
Static IP (固定 IP)	電腦間的溝通與識別是透過其在網路上的唯一的 IP 位址來達成。由網路 ISP 業者提供的"固定 IP"意即電腦的 IP 位址是固定的,而且適合用於建立網站。 請輸入您的網路 ISP 業者提供的伺服器 IP 位址、開道和網路資訊,來設定固定 IP 網路連線。
PPPOE	PPPOE 為 Point-to-Point Protocol over Ethernet 的英文簡稱。只要準備好以下事宜,使用者就可以隨時輕鬆 使用網路服務:1)將乙太網路卡插入電腦。2)透過網路 ISP 業者取得 ADSL 服務。3)取得並安裝 PPPOE 軟體光碟。
	完成上述事宜後,請選擇 "PPPOE"網路類型,然後輸入您的網路 ISP 業者所提供的帳號和密碼。接著,選擇 "Network" (網路設定) → "DDNS"來設定 DDNS。 譯 "Network" (網路設定) → "DDNS"來設定 DDNS。 詳細的 DDNS 設定資訊,請參閱 "DDNS"一節。
DHCP	您所使用的路由器或數據機必須支援 DHCP 功能才可使用 DHCP 服務。選擇 "DHCP"網路類型,然後選擇 "Network" (網路設定) → "DDNS"來設定 DDNS。 詳細的 DDNS 設定資訊,請參閱 "DDNS"一節。

DDNS

在設定 PPPOE 或 DHCP 連線方式之前,您必須先申請一個 DDNS 帳號名稱。DDNS 是一種服務,可將浮動 IP 位 址轉換對應至一個特定的"主機名稱"。請至有提供免費 DDNS 服務的網站,然後申請一個主機名稱。

按"**III**" (Miscellaneous Control) → "**III**" (Server Setting) → "Network" (網路設定) → "DDNS" 進入設定頁

- General	letwork :: DDNS			
- Account - OnLineUser	DNS Server1:	168 . 95	i. 1	. 1
- Trigger Network	DNS Server2:		•	
-SNTP -FTP -MAIL	DDNS:	@ On	0.0	Off
- Video Detection	User Name	: iptest		_
	Password:	*****		
ок	Domain:	iptest.d	yndns.o	rg
Cancel	System Name	: dvndns		-
Apply		1-7.00.00		_

◆ DDNS 申請:

在設定 PPPoE 或 DHCP 連線方式之前,您必須先申請一個 DDNS 帳戶名稱。DDNS 是一種服務,可將浮動 IP 位址轉換對應至一個特定的「Hostname」(主機名稱)。請參閱以下步驟。

• 到有提供免費 DDNS 服務的網站,申請一個 "Hostname"。例如, DynDNS 網站 (http://www.dyndns.com)。



依據網站上的指示,輸入所有簽署帳號所需提供的資訊。

•



Username Username Username Username Username Username Username
E-mail Address
Ernal address: Reffer III In RightCourty on Commitment address: Reffer III III In RightCourty on E-mail The ernal address you erner must be widt, Petrotecterin to activute you accourt will be erner to the e-mail address provided. You must keep the address courses. A vector to the invite ernal address: en address to series of whitese warring. We do not sellow account internation to report. Read more adout our <u>others coolsy</u> .
Password
Permote Password Password Password
The perioded you where will be used to access your account, it must be more then't diversions and cannot be the same as your unamenes. Do not choose a perioded that is a common word, or can otherwise be welly guarant.

Mailing Lists	
DerDNS mantans a number of maling lists deagned to kee company newsletter, and our system status. Please use th preference may be changed at any time through the <u>arron</u>	ap our users informed about product annousments, client development, our is checkboxes balow to alter your subscription preference. Your subscription unt settimot page.
Mailing List	Subscribe
Announce	0
Mailkop	
sestem-status	Π
Optional Information	
How did you hear about us:	betak:
Providing this information will help us to better understand your help!	our customers, and talor future offerings more accurately to your needs. Thank

當完成申請後,您可以看到 "Account Created" 的畫面(帳號已建立), Dyndns 系統會寄相關指示到您的電子信箱,以讓您完成接下來的帳號啓動。您必須遵照電子確認信中的指示,完成啓動帳號的程序。也就是說,在接獲電子確認信後,必須於 48 小時內到指定網址完成帳號啓動設定。完成帳號啓動後,您會看到 "Account Confirmed" 的 視窗。代表您的帳號已經成功建立。

🎯 Dyn	DNS		Utern	Lost P	Page - Sign Like Now	Login
	Rot	Sectors Account	Support	News		
My Account Greate Account Login	Account Creat	Acco	unt Cr		herine lee@avtech.com	n.tw. To
Lost Person® Search DynDNS Search	regetration. You should receive the confirm support/Odynchis.com to be del Following the instructions in the either, you should check with y	ation o mai within a fox minut livered. If you have not receive e password reset o mai will abo password reset o mai provider to determin	s. Please make certain d this e-mail within an h confirm your new acce e why you are not reci	i that your spam life hour or so, request xunt. If you don't n etima these messa	ering allows messages a paceword reset. excive the paceword re ges.	fom set e-mail
	Capyright @ 2000-2005 Octo	anie Mateuris Sandos, Jos Prinace	helice - Accentable Une Faile	us - Tradenach Hotos		
	محد المحاطب والرحاد	and all the				
	完成確認信	說明的指:	示程序行	炎	Fee	Logn
在	完成確認信 DNS	說明的指:	示程序イ uer	发 Lasth Names	Page - San Jac Nar	Login
在 ② DynE Mr Accourt Create Accourt	完成確認信 DNS Account Confi	說明的指: med Acco	示程序イ um secon	爱 untr News Donfirm	Per Santa Mar ed	Logn
在 ② DynE Mr Account Create Account Logn Lost Peterword?	完成確認信 DNS Account Confi	說明的指: Market Account med Accco entermined. You can now for and market you can now for and market you can now for	示程序(uer) satesort pard start using your and start using your satesortes to - this list it is Transference to - this list it	发 Marrier Donfirm account. s used for notificati s used for notificati	Pero Secole Secole Market ed	Loge Arrows to here sources
Mr Account Covers Account Lost Personne Search DynDNS Search	完成確認信	說明的指: med Account med Accco eventimed. You can now loa not maining hit you may with to maininarrow/status notification that be checking the assessment	示程序(uer) Recort Ount Coo and start using your adsorbes to - this lift, i. To adsorbes, go to: a boo, and diding the	Lucition Named Confirm account. Is used for notification our Halling List State "Save Sections," be	Pere Pere	Loger Argos to Kee, you may

請使用申請的 DDNS 帳號、密碼登入 DynDNS,並按 "My Service" 按鈕。



按 "Add Host Services" 按鈕。

•

•

•

🎯 DynD	NS [®]			Ha Services	Logged In User Cethelee - No. Cetheles - Log Ceth
	About Se	evices Account	Support	News	
My Account	Account Level	Services			
My Services					
Account Upgrades	Premium A	ccount 🕐	No	Technical Support	
NeiHop Outbound Recursive DAS	Account Up	grades (2)	No	View * Add	
5LA	MailHop Cu	thound (1)	Norm	titees - Aski	
Prenier Support Ny Zonon	Recursive	DNS (2)	None	Add Repursive D16	
Add Zaro Territors My Media	DNS Service Lew	Agreement (2)	None	Add SHS Service Land Agree	and.
	Premier Supp	rt Option (1)	Norme Available	Add Dramier Tapport Cares	
Ado Paren Settings					
Sync Expirations	Zone Level Ser	vices			Add Zone Services
Account Settings Billing	No zone levelharvice tamo sogio	roż <u>Add Zona Satolan</u>			
Ny Cart	Host Level Serv	/ices			Add Heat Services
2.hos	No host level service iteru vegiti	ent.			
Search DynDNS Search		Add H	lost Se	rvices	
	Capacity in the second second	o Thinais Bendun, Jos Disary I	lalan - Acceptable Cher Police	- Tradmark Datas	

按 "Add Dynamic DNS Host" 按鈕。

🎯 Dyn 🛛	DNS					Logged In View Catholice Multiplication - Halfada - Log Cat
	taxis	Services .	Account	Rupport	Bines	
My Ascount	Add Host S	ervices				
My Services				_		
Account Upgrades		Dynamic DNS (р 👅	(ddDyra	nic ONS Host	
MelHop-Outbound		Static DNS (2)		Add Shirts	ONS Hart	
Recursive DAS		WabHop ())		Add Webs	100	
Prenier Support		MyWebiHap 🔝)	Add My/W	dd-Kap	
My Zones	,	intwork Monitorin	u (1)	Add Native	ark Manitoring	
Add Zone Territors My Hods:		SSL Certificates	69	Add SSL 0	ortificato	
Add top Sanaco Devines EMS Insertions Mythology Mythology 10. Cellicate Rame Sanaco Sync Expirations Sync Expirations Sanacount Settings			Ac	ld Dyn	amic	DNS Host

輸入並選擇主機名稱。



主機名稱已建立。您可使用 DDNS 服務所取得的「主機名稱」做為虛擬的固定 IP 位置,來對應浮動 IP 位址。

🔕 Dyn D	DNS		No.Servine -	Logged In Lean Cathyles Nr. Cath - Sellings - Log. Stat	-
He Account He Services Accure Lippadie Haleigi buthand Horarsko Utiki Sia Anteres Separt Hy Zons Add Zons Tenton	Host Eessee Hostname Created The hostname youhse inquested has been o Hestmane - Hinddress Without:	Accuart Second Hostname rested. The information row in the data result our firmation row in the data	Pares Created base and DAG settern is Hostna	Terrent Proliferer	
Highests Addingt Samlog Synaktiket Weithop Markheig Markh	Mail Dothanger! Barings MD:	N N			

SNTP (網路對時)

•

SNTP (Simple Network Time Protocol / 網路對時) 頁面可用來設定時間。按 " 100 " (Miscellaneous Control) → " 100 " (Server Setting) → "Network" (網路設定) → "SNTP" (網路對時) 進入 "SNTP" (網路對時) 頁面。



功能	說明
GMT (Greenwich Mean Time / 格林威治標準時間)	只要選好時區,網路攝影機就會自動調整系統的本機時間。
Server Name (伺服器名稱)	使用預設的 SNTP 伺服器 (例如:time.stdtime.gov.tw)。
Sync Server Time (同步化伺服器時間)	網路攝影機的時間會與網路時間同步。

FTP (影像上傳)

按 "III" (Miscellaneous Control) → "III" (Server Setting) → "Network" (網路設定) → "FTP" (影像上傳) 進入

"FTP" (影像上傳)頁面。輸入詳細的 FTP 資訊,然後按 "Apply" (套用)確認。在 "Trigger" (觸發)功能表啓用 FTP 通知功能後,就會套用在此所設的資訊。

- General	letwork :: FTP		
- Account - OnLineUser - Trigger	User Name:	ipuser	
DDNS SN TP	Password:	*****	
- MAIL - Video	Port:	21	
- Detection	Server:	62.223.51.175	
	Directory:	/ipuser/notification	
ОК			
Cancel			
Apply			

MAIL (郵件管理)

按 "**①**" (Miscellaneous Control) → "**②**" (Server Setting) → "Network" (網路設定) → "MAIL" (郵件管理) 進入 "MAIL" (郵件管理) 頁面。輸入詳細的電子郵件資訊,然後按 "Apply" (套用) 確認。在 "Trigger" (觸發) 功能表 啓用電子郵件通知功能後,就會套用在此所設的資訊。

😨 Server Setting : 192.16	81.1	j.
General Log Account OnLineUser Trigger B-Network DDNS SNTP FIP FIP Video Detection	Network :: MAIL Server: 62.223.51.175 Mail From: supervisor@tech.com.tw Verify Password Verify: • Yes • No User: supervisor Password: ********* Email Address Mail Account group@tech.com.tw Add	
ОК		
Cancel	Delete	
Apply		

功能	說明
Server (伺服器)	輸入您從電子郵件系統供應商取得的 SMTP 伺服器位址。
Mail From (寄信人信箱)	輸入完整的電子郵件位址,以確保電子郵件不會被 SMTP 封鎖。
Verify Password (驗證密碼)	有些郵件伺服器需要驗證密碼。請輸入「帳號」和「密碼」。
Email Address (電子郵件位址)	新增指定收信方的電子郵件位址。

註:使用者最多可指定四名收信方來接收電子郵件通知。

Video (影像設定)

按" III " (Miscellaned 百面。	ous Cont	rol) → "🚅" (Server Setting) → "Video" (影像設定) 進入 "Video" (影像設定)			
文山 Server Setting : 192.168.1.1 Concention - Dolline User - Trigger - Network - DNS - SNTP - FTP - MAIL - Detection - Detection	ystem Type: G: VGA n Format: [neRate: [num Exposur	<pre>MPEG-4 ▼</pre> FULL ▼ Limits:			
項目		說明			
System Type (系統影像類型)		選擇連接的網路攝影機的系統類型。			
MPEG		影像解析度:VGA (640 × 480) / QVGA (320 × 240)			
		影像品質:BEST / HIGH / NORMAL / LOW (最佳 / 高 / 一般 / 基本)			
Stream Format (影像格式)		選擇網路傳輸的格式 (MPEG-4 / Motion JPEG)。			
Frame Rate (Frame 速度)		可以在此調整每台攝影機的 Frame 速度,以符合網路頻寬。將速度設為最大 (FULL),			

或者設為其他速度: HALF (半速) / ONE THIRD (三分之一) / QUARTER (四分之一) / ONE FIFTH (五分之一) / ONE TENTH (十分之一) / ONE FIFTEENTH (十五分之一)。

實際的 Frame 速度必須視實際網路連線而定,而且可能會低於指定速度。
項目	說明
Maximum Exposure Limits	您可以調整最大曝光時間來達到光線補償的目的。
(最大曝光時間)	曝光時間控制共有五種等級。最短的曝光時間為 LEVEL 0,最長的則為 LEVEL 5。此
	設定會影響到影像品質。

Detection (位移偵測設定)

當監視畫面裡有任何動作發生時,就會觸發位移偵測功能。選擇要設定的頻道,然後按下 "Edit" (編輯) 按鈕進入位移 偵測區域設定視窗。

Server Setting : 192.16	8.1.1	x
□-General □ Log Account □ OnLineUser □ Trigger □ Network □ DDNS □ SN TP □ FTP □ MAIL □ Video □ Detection	Detection	
ОК		
Cancel	[+]Select All [-]Clear All Apply	
Apply		

功能	說明
Motion Detection Setting Area (位移偵測設定區域)	使用電腦滑鼠設定位移偵測區域。粉紅色格子代表未被偵測的區域,而透明的格子代表 有偵測的區域。您可以設定多個偵測區域。
Select All (選取全部)	按"+"(選取全部) 選取全區域進行偵測。
Clear All (全部清除)	按"-"(全部清除)清除先前選擇的偵測區域,變成全部不偵測。
Apply (套用)	設定後,按"Apply"(套用)確認。

5.5 Tools (工具)

按 "🚺" (Miscellaneous Control) → "🔀" (Tools) 進入 "Tools" (工具) 頁面。

註:您必須擁有 "Supervisor" 的權限才能執行此功能。詳情請參閱第 17 頁的 "Account (權限管理)"。

更新韌體

IP Address: User Name:	192.168 admin	3.1.11 -	Search Password:	Port: 80	
Firmware Current versio	in:	1022-1	020-1001	Add Ren	nove
C:\Upgrade\IP	CKernel	201.bin			

在此頁面可以升級網路攝影機的韌體版本。

功能	說明
Update Server (更新伺服器)	選取網路攝影機的 IP 位址。確認選取網路攝影機的網路設定是否正確。
Current Version (目前版本)	在"Firmware"(韌體)下,您會看見目前的韌體版本。 例如:1022-1020-1001
Add (新增)	要升級網路攝影機的韌體版本,按 "Add"(新增)尋找並選取韌體檔案。 升級檔案有很多。請逐一進行升級。
Update Firmware (更新韌體)	要開始升級網路攝影機韌體,按 "Update Firmware"(更新韌體)開始 進行升級程序。升級後會看見螢幕顯示一串訊息: "Update Firmware Succeeded! Don't plug off power, the machine will reboot automatically!" (韌體更新成功!請勿拔掉電源,本裝置會自動重新啓動!)
Configure Backup (設定備份) (僅限 DVR)	若在升級韌體版本之前想要先備份系統,請在 "Configure File" (設定檔案) 下選擇 "System Backup" (系統備份)、按一下 "…" 指定要儲存系統備份的位置,然後再按 "Backup" (備份) 開始進行備份。

註:攝影機的網路設定可能會在升級後回復為出廠預設值。如果網路設定回復為出廠預設值,請重新設定網路。

5.6 Status List (狀態清單)

按"**Condition**)。 家的錄影檔 (Condition)。

記錄類型共有三種:Record (錄影)、Event (事件)和 Backup (備份)。若要回放某筆錄影記錄的錄影資料,請選取該筆記錄,然後連按兩下開始回放影片。

詳細的回放操作資訊,請參閱第30頁的"回放畫面"。

錄影清單

選擇 "All" (全部) 顯示所有的錄影記錄,或者 "Condition" (依條件) 來依日期或錄影類型來搜尋特定記錄。

・ All (全部)

👱 Status I	List					×
A		From	2007/ Nov. /10	문고 Re	cord Typ I User	e
	Query	To:	2007/ Nov. /10	<u> </u>	M Alarn	1 - I
					Motic	m
Record	Backup E	vent				
Event	IP	Start Time	End Time	File Path	Reserve	Erro: 🔺
User	192.168.1.1	11/10/07 21:02:09	11/10/07 21:03:13	C:\TEMPVIDEO\20071		
User	192.168.1.1	11/10/07 21:02:09	11/10/07 21:03:13	C:\TEMPVIDEO\20071		
User	192.168.1.1	11/10/07 20:29:14	11/10/07 21:02:09	C:\TEMPVIDEO\20071		
User	192.168.1.1	11/10/07 20:29:14	11/10/07 21:02:09	C:\TEMPVIDEO\20071		
User	192.168.1.1	11/10/07 19:56:30	11/10/07 20:29:14	C:\TEMPVIDEO\20071		
User	192.168.1.1	11/10/07 19:56:29	11/10/07 20:29:14	C:\TEMPVIDEO\20071		
Motion	192.168.1.1	11/10/07 19:38:34	11/10/07 19:38:40	C:\TEMPVIDEO\20071		
User	192.168.1.1	11/10/07 19:32:13	11/10/07 19:56:29	C:\TEMPVIDEO\20071		
User	:hipcam.dyndns	11/10/07 19:30:31	11/10/07 19:30:31	F:\20071110193031_C		
User	:hipcam.dyndns	11/10/07 19:30:31	11/10/07 19:30:31	F420071110193031_C		
User	192.168.1.1	11/10/07 19:23:26	11/10/07 19:23:26	F:\20071110192326_C		
User	192.168.1.1	11/10/07 19:23:26	11/10/07 19:23:26	FA20071110192326_C		
User	:hipcam.dyndns	11/10/07 19:21:19	11/10/07 19:30:31	F:\20071110192119_C		
User	:hipcam.dyndns	11/10/07 19:21:19	11/10/07 19:30:31	F:\20071110192119_C		
User	:hipcam.dyndns	11/10/07 19:15:46	11/10/07 19:21:19	FA20071110191546_C		
User	:hipcam.dyndns	11/10/07 19:15:46	11/10/07 19:21:19	F:\20071110191546_C		
User	:hipcam.dyndns	11/10/07 19:13:16	11/10/07 19:15:46	F:20071110191316_C		
User	:hipcam.dyndns	11/10/07 19:13:16	11/10/07 19:15:46	F:\20071110191316_C		

按鈕	說明
Query (査詢)	按此鈕可更新記錄清單。
Delete (刪除) /	按一下"Delete"(刪除)可刪除選取記錄,或者按"Delete All"(全部刪除)刪除目前顯
Delete All (全部刪除)	不的記述有単。
Play (播放)	按一下可回放選取的錄影記錄。之後會出現回放控制面板讓您操作。如需得知詳細的
	回放操作資訊,請參閱第 30 頁的"錯誤!表格製作不正確。"。
Repair (修復)	按一下可修復有問題的記錄。
Apply (套用)	此按鈕僅在您於 "Record" (錄影) 標籤下勾選或取消勾選 "Reserve" (保留) 核取 方塊時才能使用。 若要保留重要錄影記錄以供日後使用,請勾選 "Reserve" (保留) 核取方塊,然後按 "Apply" (套用)。選取的記錄會在有人無意或故意按到 "Delete" (刪除) 或 "Delete All" (全部刪除) 時被保留下來,不會被刪除。
Close (關閉)	按一下 "Close" (關閉) 可退出此視窗。

• Condition (依條件)

🙋 Status L	ist					×
C	ondition 💌	From	2007/ Nov. /10	- Rec	cord Typ	e
-	0	To:	2007/ Nov /10	고고	Π Alarπ	
	QUEIY		12001110		Motic	n l
Record	Backup	vent			in mone	<u> </u>
Event	IP	Start Time	End Time	File Path	Reserve	Error
Motion	192.168.1.1	11/10/07 19:38:34	11/10/07 19:38:40	C:\TEMPVIDEO\20071		
Motion	192.168.1.1	11/10/07 19:09:10	11/10/07 19:09:18	F:\20071110190856_C:		
Motion	192.168.1.1	11/10/07 18:18:13	11/10/07 18:18:31	F:\20071110180943_C-		
Motion	192.168.1.1	11/10/07 17:23:21	11/10/07 17:23:27	F:\20071110171122_C		
Motion	192.168.1.1	11/10/07 17:23:14	11/10/07 17:23:27	F:\20071110171122_C		
Motion	192.168.1.1	11/10/07 17:23:05	11/10/07 17:23:27	F:\20071110171122_C:		
Motion	192.168.1.1	11/10/07 17:22:34	11/10/07 17:23:27	F:\20071110171122_C-		
Motion	192.168.1.1	11/10/07 17:22:24	11/10/07 17:23:27	F:\20071110171122_C		
Motion	192.168.1.1	11/10/07 12:01:52	11/10/07 12:01:58	C:\TEMPVIDEO\20071		
Motion	192.168.1.1	11/10/07 12:01:26	11/10/07 12:01:58	C:\TEMPVIDEO\20071		
Motion	192.168.1.1	11/10/07 12:01:15	11/10/07 12:01:58	C:\TEMPVIDEO\20071		
Total R	ecords: 11	Delete	Delete All PI	ay Repair Ap	oply (lose

按鈕 / 功能	說明
From / To (開始 / 結束時間)	選擇內含您要搜尋之事件 / 錄影記錄的開始和結束時間。
Record Type (錄影類型)	此功能只在選取"Record"(錄影)標籤時方能使用。 選擇想要尋找的錄影類型:User (手動錄影) / Alarm (警報錄影) / Motion (位移偵測錄影)。
Query (査詢)	設好搜尋條件後,按一下可尋找指定記錄。搜尋結果會顯示在記錄清單中,依時間先後排列, 從最晚到最早。
Delete (刪除) / Delete All (全部刪除)	按一下 "Delete" (刪除) 可刪除選取記錄,或者按 "Delete All" (全部刪除) 刪除目前顯示的記錄清單。
	秘訣:若要一次選取多筆記錄,請按住鍵盤上的 [Ctrl] 鍵,然後點選您要刪除的記錄。
Play (播放)	按一下可回放選取的錄影記錄。之後會出現回放控制面板讓您操作。如需得知詳細的回放操作
	資訊,請參閱第 30 頁的"錯誤!表格製作不正確。"。
Repair (修復)	按一下可修復有問題的記錄。
Apply (套用)	此按鈕僅在您於 "Record" (錄影) 標籤下勾選或取消勾選 "Reserve" (保留) 核取方塊時才 能使用。 若要保留重要錄影記錄以供日後使用,請勾選 "Reserve" (保留) 核取方塊,然後按 "Apply" (套 用)。選取的記錄會在有人無意或故意按到 "Delete" (刪除) 或 "Delete All" (全部刪除) 時被保 留下來,不會被刪除。
Close (關閉)	按一下"Close"(關閉)可退出此視窗。

登入 / 登出事件清單

選擇 "All" (全部) 顯示所有的事件記錄 (Login / Logout), 或者 "Condition" (依條件) 來依日期來搜尋特定記錄。

・ All (全部)

Status List	Fro	m: 2007/ Nov. /	10 <u>-</u>	Record Type
Record Backup	Event		··	Motion
11/10/07 01/10/07	Event	100 160 1 1	1	escription
11/10/07 21:19:07	Login	192.108.1.1		
11/10/07 21:18:58	Logout	192.168.1.1		
11/10/07 21:16:56	Logout	192.108.1.1		
11/10/07 21:10:50	Login	192.108.1.1		
11/10/07 21:10:24	Logout	192.100.1.1		
11/10/07 21:12:01	Login	192.108.1.1		
11/10/07 21:11:55	Logout	192.168.1.1		
11/10/07 19:32:13	Login	192.168.1.1		
11/10/07 12:02:35	Login	192.108.1.1		
11/10/07 12:02:24	Logout	192.168.1.11		
11/10/07 12:02:10	Logout	192.168.1.11		
11/10/07 12:01:14	Logn	192.168.1.11		
11/10/07 12:00:05	Logout	192.168.1.11		
11/10/07 11:59:21	Login	192.168.1.1		
11/10/07 11:56:35	Logout	192.168.1.1		
11/10/07 11:56:03	Logout	192.168.1.1		
11/10/07 11:55:50	Login	192.168.1.1		
11/10/07 11:54:03	Logout	192.168.1.1		
•				
Total Records:	34 Delete	Delete All	Play Repair	Apply Close

・ Condition (依條件)

Condition Query Record Backup	▼ Fro To: Event	m: 2007/ Nov. /	19 • •	Record Type
Time	Event	IP	De	scription
11/09/07 22:14:41	Logout	59.120.45.234		
11/09/07 22:14:40	Logout	192.168.1.1		
11/09/07 22:12:49	Login	192.168.1.1		
11/09/07 22:12:48	Logout	192.168.1.1		
11/09/07 22:12:02	Login	59.120.45.234		
11/09/07 22:11:04	Login	192.168.1.1		
Total Records:	6 Delete	Delete All	lay Repair	Apply Close

備份清單 (限 DVR)

網路攝影機本身並不支援網路備份功能。當 Video Viewer 連線到 DVR 時,才可使用此功能。您可以遠端觀看備份 清單並回放選取項目。

選擇 "All" (全部) 顯示所有的下載記錄,或者 "Condition" (依條件) 來依日期來搜尋特定記錄。

・ All (全部)

按鈕	說明
Query (査詢)	按此鈕可更新記錄清單。
Delete (刪除) /	按一下 "Delete" (刪除) 可刪除選取記錄,或者按 "Delete All" (全部刪除) 刪除目前顯示
Delete All (全部刪	的記錄清單。
除)	秘訣:若要一次選取多筆記錄,請按住鍵盤上的 [Ctrl] 鍵,然後點選您要刪除的記錄。
Play (播放)	按一下可回放選取的錄影記錄。之後會出現回放控制面板讓您操作。如需得知詳細的回
	放操作資訊,請參閱第 30 頁的 "錯誤!表格製作不正確。"。
Repair (修復)	按一下可修復有問題的記錄。
Apply (套用)	此按鈕僅在您於 "Record" (錄影) 標籤下勾選或取消勾選 "Reserve" (保留) 核取方 塊時才能使用。 若要保留重要錄影記錄以供日後使用,請勾選 "Reserve" (保留) 核取方塊,然後按 "Apply" (套用)。選取的記錄會在有人無意或故意按到 "Delete" (刪除) 或 "Delete All" (全部刪除) 時被保留下來,不會被刪除。
Close (關閉)	按一下 "Close" (關閉) 可退出此視窗。

・ Condition (依條件)

按鈕 / 功能	說明	
From / To (開始 / 結束時間)	選擇內含您要搜尋之事件 / 錄影記錄的開始和結束時間。	
Query (查詢)	設好搜尋條件後,按一下可尋找指定記錄。搜尋結果會顯示在記錄清單中,依時間先後排列,從 最晚到最早。	
Delete (刪除) / Delete All (全部刪除)	按一下 "Delete" (刪除) 可刪除選取記錄,或者按 "Delete All" (全部刪除) 刪除目前顯示的記錄 清單。	
	秘訣:若要一次選取多筆記錄,請按住鍵盤上的 [Ctrl] 鍵,然後點選您要刪除的記錄。	
Play (播放)	按一下可回放選取的攝影機備份記錄。之後會出現回放控制面板讓您操作。如需回放的詳細資	
	訊,請參閱第 30 頁的" 錯誤! 表格製作不正確。" 。	
Repair (修復)	若備份檔有問題,按此鈕即可修復錯誤。	
Apply (套用)	此按鈕僅在您於"Backup"(備份)標籤下勾選或取消勾選"Reserve"(保留)核取方塊時才能使用。	
	若要保留重要錄影記錄以供日後使用,請勾選 "Reserve" (保留) 核取方塊,然後按 "Apply" (套用)。選取的記錄會在有人無意或故意按到 "Delete" (刪除) 或 "Delete All" (全部刪除) 時被保留下來,不會被刪除。	
Close (關閉)	按一下 "Close" (關閉) 可退出此視窗。	

回放畫面

當您選取某筆記錄回放時,您會立即進入回放模式,而且會出現以下回放控制面板。





NO.	功能	說明	
1	回放 / 下載資訊顯示	此區會顯示詳細的回放/下載資訊,例如:檔案名稱、錄影日期和時間,以及速度等等。	
2	回放進度列	此區會顯示回放進度列和目前回放的進度。	
3	回放操作	此區僅在開始回放時方能使用。	
4	De-Interlace (去交錯)	減低影片暫停時的畫面跳動現象。	

6. IE 網路瀏覽器

6.1 透過 IE 網路瀏覽器存取攝影機

您可以透過 IE 瀏覽器遠端觀看影像或操作網路攝影機。

註:支援的電腦作業系統 (O/S) 是 Windows 2000 與 Windows XP。

步驟 1:在 URL 網址列輸入網路攝影機使用的 IP 位址,例如 "http://ipcam.dyndns.org",然後按 [Enter] 鍵。之後會提示您 輸入使用者名稱和密碼來登入網路攝影機。

如果您設定的網路攝影機埠號並非80埠,就需要另行輸入埠號,格式為"<u>http://ip 位址:埠號"</u>。

以浮動 IP 網路類型為例:主機名稱 "ipcam.dyndns.org" / 埠號 "202"。則請在 URL 的網址列中,輸入 "*http://ipcam.dyndns.org:202*",然後按 [Enter] 鍵。

步驟 2:輸入使用者名稱和密碼,即與 Video Viewer 登入時使用的使用者名稱和密碼相同,然後按 "OK" (確定)。若登入資 訊正確,您將會看到和以下類似的畫面。



6.2 IE 網路瀏覽器的工具列說明

NO.	功能		說明
1	Main (主頁)	ActiveX / Quick Time	視您作業系統的網路瀏覽器的類型而定,請選擇 ActiveX 或 QuickTime。
		TCP / UDP	選擇 Internet 傳輸協定:TCP / UDP。
		BEST / HIGH / NORMAL / LOW (最佳 / 高 / 一般 / 基本)	選擇影像品質:BEST / HIGH / NORMAL / LOW (最佳 / 高 / 一般 / 基本)
		VGA / QVGA	選擇影像大小:VGA (640 × 480) / QVGA (320 × 240)。
		Audio On / Audio Off (聲音開 / 聲音關)	選擇開啓或關閉聲音功能: On 或 Off。 (聲音功能僅限 AVI202 和 AVI212 方能使用)
2	Network (網路設定)	Static IP (靜態 IP) / DHCP / PPPOE / DDNS	在"Network"(網路設定)頁面,您可以設定網路攝影機的網路連線資訊。詳情請參閱第 19 頁的 Video Viewer "Network (網路設定)"一節。
		SNTP (網路對時)	SNTP (Simple Network Time Protocol / 網路對時) 頁面可用來設定時間。詳情請參閱第 1 頁的 Video Viewer "SNTP" 一節。
		FTP (影像上傳)	指定一個 FTP 位址供位移偵測/警報通知功能使用。詳情請參閱第 23 頁的 Video Viewer "FTP (影像上傳)"一節。
		MAIL (郵件管理)	指定一個電子郵件信箱供位移偵測/警報通知功能使用。詳情請參閱第 24 頁的 Video Viewer "MAIL (郵件管理)"一節。

IE 網	路瀏覽器
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NO.			說明
3	Camera (主機設定)	Snapshot Path (快照存放路徑)	設定快照圖片要儲存的位置。
		Frame Rate (Frame 速度)	視頻寬來設定所需的 Frame 速度: FULL (全速) / HALF (半速) / ONE THIRD (三分之一) / QUARTER (四分之一) / ONE FIFTH (五分之一) / ONE TENTH (十分之一) / ONE FIFTEENTH (十五分之一)。詳情請參閱第 24 頁的 Video Viewer "Video (影像設定)" 一節。
		System Type (系統影像類型)	設定連接的網路攝影機的系統類型 (NTSC / PAL)。
		Stream Format (影像格式)	選擇網路傳輸的影像格式 (MPEG-4 / Motion JPEG)。
		Maximum Exposure Limits (最大曝光時間)	您可以調整最大曝光時間來達到光線補償的目的。詳情請參閱第24頁的 Video Viewer "Video (影像設定)"一節。
		Detection (偵測設定)	當監視畫面裡有任何動作發生時,就會觸發位移偵測功能。設定位移偵測區域。詳情請參閱 第 25 頁的 Video Viewer "Detection (位移偵測設定)"一節。
		Motion Sensitivity Level (偵測敏感度等級)	根據不同的情況來設定不同的位移偵測敏感度等級。詳情請參閱第 25 頁的 Video Viewer "Detection (位移偵測設定)"一節。
		Color Setting (顏色設定)	調整網路攝影機的亮度 / 對比度 / 色度 / 飽和度。詳情請參閱第 13 頁的 Video Viewer "5.1 顏色設定"一節。
5	General (一般設定)	Language (語言)	支援英文/中文介面切换。
		Mac Address (MAC 位址)	顯示網路攝影機的 MAC 位址。 詳情請參閱第 16 頁的 Video Viewer "General (一般設定)"一節。
		Log (系統日誌)	在 "Log" (系統日誌) 頁面會看見網路攝影機的所有事件記錄,例如: "POWER ON" (開機)、 "REMOTE LOGIN" (遠端登入)、 "RESET DEFAULT" (重新回復預設 値)、"EMAIL"、"FTP"、"DDNS"、"PPPOE"、"DHCP"和 "SNTP Update" (SNTP 網路對時) 等等。 詳情請參閱第 17 頁的 Video Viewer "Log (記錄)" 一節。
		Account (權限管理)	新增 / 編輯 / 刪除存取網路攝影機的帳號、密碼、權限和登入時間。詳情請參閱第 17 頁的 Video Viewer "Account (權限管理)"一節。
		Trigger (觸發)	設定位移偵測觸發和/或警報觸發功能,例如 "Trigger Motion" (移動觸發)、"Trigger Alarm" (警報觸發)和 "Trigger Duration" (警報持續時間)。設定移動觸發和/或警報觸發功能,例如: "Method" (方法)和 "Record Time" (錄影時間)。詳情請參閱第 18 頁的 Video Viewer "Trigger (觸發)" 一節。
		Configure (系統組態)	顯示和升級網路攝影機的韌體版本。詳情請參閱第 25 頁的 Video Viewer "5.5 Tools (工具)" 一節。
6	快照	6	按一下可攝取目前畫面的快照。快照圖片會儲存在 "Camera" (主機設定) 功能表的 "Snapshot Path" (快照存放路徑) 中所指定的位置。
7	重新調整 QVGA	€	按一下可在即時畫面下放大 QVGA 檢視大小。

7. QUICKTIME 播放程式

您也可以使用 QuickTime 多媒體播放軟體來登入網路攝影機,並只能觀看即時畫面。

註: QuickTime 是 Apple 公司的多媒體播放軟體。您必須先將 QuickTime 安裝到您的電腦,然後才能存取網路攝影機觀看即時畫面。

- 步驟1: 進入 Apple 的官方網站來下載 QuickTime。網站位址如下:
 - http://www.apple.com/quicktime/win.html
 - a). 按一下 "Download" (下載) 進入下載頁面,然後選擇下載免費的播放軟體。
 - b). 輸入您的電子郵件地址,然後按 "Free Download Now" (免費下載) 來下載最新版的 QuickTime 多媒體播 放軟體。
 - c). 下載結束後,執行 "QuickTimeInstaller.exe" 檔,然後遵照螢幕上的指示完成安裝程序。
- 步驟2: 開啓 QuickTime 多媒體播放軟體。選擇 "File" (檔案) → "Open URL" (開啓 URL), 然後輸入 URL 位址。 URL 格式為 "rtsp://ipaddress/live/mpeg4"

例如:若IP 位址為 "avtechipcam.dyndns.org",埠號為 "201",請在 URL 網址列輸入

"rtsp://avtechipcam.dyndns.org:201/live/mpeg4"。按一下 "OK" (確定) 繼續。



步驟3: 之後會出現蹦現式視窗,提示您輸入授權資訊。輸入存取網路攝影機所需的使用者名稱和密碼。使用者名稱和 密碼就是您用來登入 Video Viewer 的使用者名稱和密碼。

若輸入資訊正確,請按 "OK" (確定) 繼續。若輸入資訊錯誤,請按 "Cancel" (取消) 退出存取。



步驟4:若登入成功,您就會看見類似以下畫面的影像:



附錄1 預設值

・預設値

項目	預設値
・預設網路値:	
使用者名稱	admin
密碼	admin
埠號	80
IP 位址	192.168.1.10