# User Manual 4 Ch Video Sever



V2.0\_081017

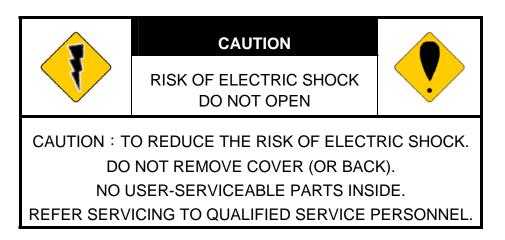


#### WARINGS

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

DO NOT INSERT ANY METALLIC & ELETRIC CONDUCTIVE OBJECT THROUGH VENTILATION GRILLS.

#### CAUTION



#### COPYRIGHT

THE TRADEMARKS MENTIONED IN THE MANUAL ARE LEGALLY REGISTERED TO THEIR RESPECTIVE COMPANIES.

PVIDEO SERVER

## Content

I.	PREFACE
II.	PRODUCT SPECIFICATIONS
III.	PRODUCT INSTALLATION
A.	MONITOR SETTING
B.	HARDWARE INSTALLATION
C.	IP ASSIGNMENT
D.	INSTALL ACTIVEX CONTROL (SETUP ONCE ONLY):
IV.	LIVE VIDEO14
V.	VIDEO SERVER CONFIGURATION16
<b>v.</b> A.	
	System
A.	System
A. B.	System17Network20Multimedia25
A. B. C. D.	System       17         Network       20         Multimedia       25
A. B. C. D. <b>VI.</b>	System       17         Network       20         Multimedia       25         Event       29

) Video servef

### I. PREFACE

This is a four channel MPEG-4/ MJPEG Video Server with web server built-in.

It encodes analogue signals of traditional cameras to digital signals; the users can monitor real-time video via IE browser. MPEG-4 compression format supports smooth video quality. Also, it supports SD Card backup. 2-way audio enables the user to have a video conference. In addition, the user can control Video Server with user friendly interface via IE browser to build a home surveillance system.

### **II. Product Specifications**

FEATURES:

- MPEG4/ MJPEG compression formats
- RS-485 Control Interface (PTZ)
- SD Card backup.
- Wireless network connection (802.11 b/g) Optional
- 2-way audio.
- Online firmware upgrade.
- Support dynamic IP and PPPoE through free DDNS.
- Support AVI video backup via IE browser.
- Compatible with Microsoft Windows Media Player.

Pudeo server

Hardware	
CPU	ARM 9 ,32 bit RISC
RAM	64MB
ROM	8MB
Video Input	BNC x 4
Input Video Looping	BNC x 4
Audio In/Out	1 in / 1 out (RCA type)
Alarm Input	X4
Relay Out	X4
RS232	1
RS-485	X1, for PTZ control
Power	Lan: DC 12V 600mA
	Wlan: DC 12V 700mA
Dimensions (WxHxD)	218x44x202mm
Weight	1400 g
Network	
Ethernet	10/ 100 Base-T
Wireless	802.11b/g
WEP	64/ 128 bit
Network Protocol	HTTP, TCP/ IP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP
System	
Video Resolution	NTSC:688x448, 360x240, 336x244, 160x96
	PAL: 688x544, 360x288, 336x272, 160x128
Video adjust	Brightness, Contrast, Saturation, Hue
Image snapshot	Yes
Full screen monitoring	Yes
Compression format	MPEG-4, MJPEG
Video bitrate adjust	CBR, VBR
Motion Detection	Yes, 4 Areas (1 Area per CH)
Triggered action	Relay, Mail, FTP, Save to SD storage
Post alarm	Yes, configure
Remote PTZ control	Yes
Security	Password protection
Firmware upgrade	HTTP mode, can be upgraded remotely
Simultaneous connection	Up to 5

Pudeo server	
Audio	Yes, 2-way (Duplex Support)
SD Storage	
Recording trigger	Motion Detection, Alarm, IP check, Network Status (Wire
	connection only)
Video format	AVI
Video playback	Yes
Delete files	Yes, can be deleted or overwrite
Client system requirement	
OS	Windows 2000/ 2003, XP, Vista, IE 6 or above
Hardware	
Suggested	Intel-C2.8G, RAM: 512MB, Graphic Card: 64MB
Minimum	Intel-C1.6G, RAM: 256MB, Graphic Card: 32MB

### **III. Product Installation**

### A. Monitor Setting

i. Right-Click on the desktop. Select " Properties".

Arrange Icons By Refresh	•
Paste	
Paste Shortcut	
Save As Scheme	
Graphics Options	
Display Modes	
New	•
Properties	

ii. Change color quality to highest (32bit).

Display Properties ?
Themes Desktop Screen Saver Appearance Settings
* C
Display:
Plug and Play Monitor on Intel(R) 82915G/GV/910GL Express Chipset Family Color guality
Color guality Less More Kighest (32 bit)
1024 by 768 pixels

### **B. Hardware Installation**

- i. Connect power adaptor
- ii. Connect Ethernet cable to Video Server
- iii. Connect Video Server to a computer or Local network.

#### B-1 I/O Control Instruction

I/O terminal connector – used in application, for e.g., motion detection, event triggering, alarm notifications. It provides the interface to:

1 Digital Input (GND+Alarm) – An alarm input for connecting devices that can toggle between an open and closed circuit, for example: PIRs, door/window contacts, glass break detectors, etc. When a signal is received the state changes and the input becomes active.

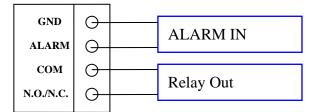
1 Relay output (COM +N.O. / COM + N.C.) – An output to Relay switch, for example: LEDs, Sirens, etc

Digital Input Alarm Input 1. GND (Ground) : Initial state is LOW 2. Alarm : Max. 50mA, DC 3.3V



Relay Output

- 1. COM: (Common)
- 2. N.O. (Normally Open) / N.C. (Normally Close): Max. 1A, 24VDC or 0.5A, 125VAC

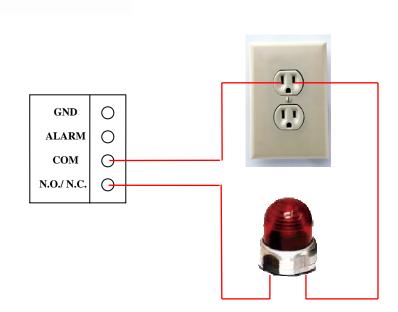


B-2. Relay Connection:

Digital Input connection



Relay Output Connection



### C. IP Assignment

IDEO SERVER

- i. Use "IP Installer", comes with CD, to assign the IP address of VIDEO SERVER.
- ii. There are two languages for IP Installer :
  - a. IPInstallerCht.exe: Chinese version
  - b. IPInstallerEng.exe: English version
- iii. 3 different IP configurations based on different environments.
  - a. Fixed IP (Public IP or Virtual IP)
  - b. DHCP (Dynamic IP)
  - c. Dial-up (PPPoE)
- iv. Execute IP Installer
- v. Use Windows XP SP2 or newer version. If the following message popup, please click "Unblock."

			is program.		
)o you w	vant to k	eep block	ing this pro	igram?	
(P) (	Name: Publisher:	<b>IPInstalle</b> Unknown	V2.1 Netw	vork Device S	òcan
		Keep Blo	cking	Unblock	Ask Me Later

- Pudeo server
  - vi. The GUI of IP Installer :

Server Name Video Transceiver	IP Address 192.168.001.238	<u>^</u>	Name			O DHC	_
HWS-04HD	192.168.001.200						
RD3_HLC_830	192.168.003.242		IP	192	168	1	200
SHOWROOM 830	192.168.001.152		Netmask	255	255	255	0
HDR-04FE 80	192.168.001.241		_				
IP_Camera	192.168.001.217		Gateway	192	168	1	254
SHOWROOM 810	192.168.001.155		DNS 1	168	95	1	1
IP-Camera-36M IP-Camera	192.168.003.246 192.168.003.241						
SHOWBOOM 860	192.168.001.154		DNS 2	168	95	192	1
HWS-04HD	192.168.003.236		Port1		8	0	
RTSP Server	192 168 003 244						
allan 860	192.168.001.218	v	MAC	00:	OF:OD	:00:10	: 6C
	Search Devic	e			Ľ	Subr	nit
To Change Device Name, IF 1.Select the device on the l 2.Change network paramete 3.Press Submit button. 4.Press "Search Device" 5.Double click the device to	eft side. er on the right side. to re-search again.	y:					it

- vii. IP Installer searches all IP deceives which connect with the internet and it lists all of them on the left side or the user can click "Search Device" to search again.
- viii. When the user clicks on each IP device listed on the left side of IP Installer, the network configuration of the IP device will show on the right side. The user can change the parameter and click on "Submit". And, then, the following message will popup. Click on "OK" to reboot VIDEO SERVER.



ix. Please make sure the subnet of PC IP address and VIDEO SERVER IP address are the same.

#### The same Subnet:

VIDEO SERVER IP address: <u>192.168.1</u>.210 PC IP address: <u>192.168.1</u>.100 **Different Subnets:** VIDEO SERVER IP address: <u>192.168.2</u>.210 PC IP address: <u>192.168.1</u>.100



#### To Change PC IP address:

Control Panel→Network Connections→Local Area Connection Properties→Internet Protocol (TCP/IP) →Properties

Please make sure your Video Server and PC have the same Subnet. If not, please change Video Server subnet or PC IP subnet accordingly.

- Local Area Connection Properties 🛛 ? 🗙	Internet Protocol (TCP/IP) Properties	? 🗙
General Authentication Advanced	General	
Connect using: Beattek RTL8139 Family PCI Fast Ethernet NIC	You can get IP settings assigned automatically if your net this capability. Otherwise, you need to ask your network a the appropriate IP settings.	
Configure	Obtain an IP address automatically	
This connection uses the following items:	Our control of the second s	
Client for Microsoft Networks	IP address: 192 . 168 . 1	. 100
File and Printer Sharing for Microsoft Networks           Image: Constraint of the state of the stateo	Subnet mask: 255 . 255 . 25	5.0
Ref Internet Protocol (TCP/IP)	Default gateway: 192.168.1	. 254
Install Uninstall Properties	Obtain DNS server address automatically	
Description	Output the following DNS server addresses:	
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication	Preferred DNS server: 192.168.1	. 2
across diverse interconnected networks.	Alternate DNS server: 168, 95, 19	12.1
Show icon in notification area when connected	·	Advanced
Close Cancel	ОК	Cancel

x. A quick way to access remote monitoring is to left-click the mouse twice on a selected Video Server listed on "Device list" of IP Installer. An IE browser will be opened.

► IP_Camera	192.168.001.165	Name		IP_C	amera	
		IP	192	168	1	165
		Netmask	255	255	255	0
		Gateway	192	168	1	254
		DNS 1	168	95	1	1
		DNS 2	168	95	192	1
		Port1		8	0	
		MAC	00	: 0F : 0D	:00:21	: 0F
,	Search Devi	ice			Subi	mit
	lame, IP address, and Gatew on the left side.	ay:				



xi. Then, please key in the default "user name: admin" and "password: admin".

Connect to 19	2.168.1.217
IP Camera	
User name:	😰 admin 💌
Password:	•••••
	Remember my password
	OK Cancel

xii. After VIDEO SERVER reboot, click "Search Device" to research VIDEO SERVER. And, use IE Browser for live viewing.

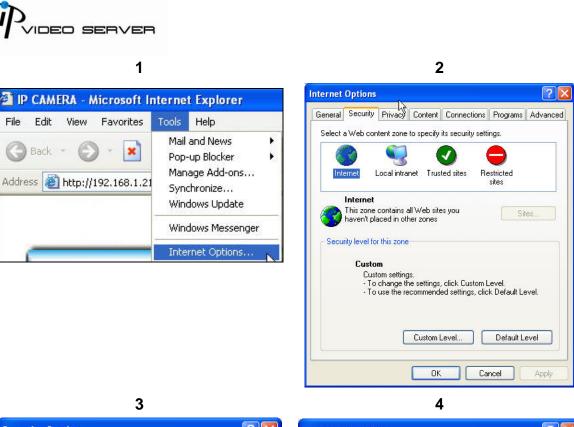
### D. Install ActiveX control (setup once only):

For the first time to view VIDEO SERVER via IE browser, it will request the user to install ActiveX.

🔞 This website wants to install the following add-on: 'WEBWATCH2.cab' from

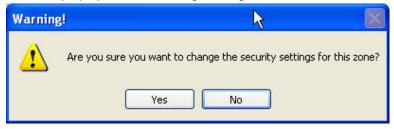
Also, check the security setting as follows.

- IE → Tools → Internet Options... → Security Tap → Custom Level → Security Settings → Download unsigned ActiveX controls → Select "Enable" or "Prompt (Recommend).
- IE → Tools → Internet Options → Security Tap → Custom Level... →
   Security Settings → Initialize and script ActiveX controls not marked as safe → Select "Enable" or "Prompt" (Recommend).





When popup the following dialogue box, click "Yes".



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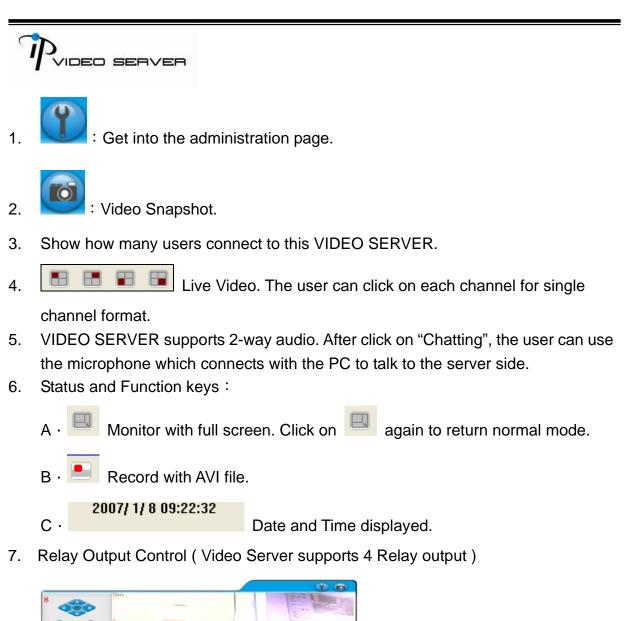
### IV. Live Video

After executing IE browser and typing the IP address of VIDEO SERVER, the following message will popup and request the user to input the user name and password. The default user name and password are "admin" and "admin."

Connect to 192	2.168.3.236 🛛 🔹 🔀
IP Camera	
User name:	🖸 admin 🔛
Password:	•••••
	Remember my password
	OK Cancel

When the user name and the password are correct, it will connect to VIDEO SERVER via IE Browser. The GUI will display as follows.

• 🕥 - 🖻 🗟 🏠 🔎	👷 😧 🔕 - 🍃	w • 🗔 🕯	1			1.	<b>2.</b> 🦉 🖞
						ſ	
	CH1			CH2			
Advanced Setting Relay Out 1: ON OFF Relay Out 2: ON OFF Relay Out 3: ON OFF Relay Out 4: ON OFF 7.	СНЗ			СНИ			
		LIVE 2008/10	/ 8 08:58:08	6.	FULL REC.	очар сні сні 4.	2 CH3 CH4
			5. Chatting:	<b>3.</b> Online Vis	sitor : 1		





8. PTZ control. When the user click on a certain channel and if it connects with PTZ camera, the user can click on "Model" to select protocols and use PTZ function to control the camera.



# V. VIDEO SERVER Configuration



to get into the administration and click on



to return to the live

viewing as follows.

System Information					
Server Information					
Server Name:	4CH Server NEW NT				
MAC Address:	00:0F:0D:00:21:EC				
Language :	📀 English 🛛 🏾 🏾	中文	○ 简体	中文	
Time Setting					
Server Time:	3/3/2008 17:39:37 Time Zor	ne: GMT+	08:00		
Time zone:	GMT+08:00				
○ NTP :					
NTP Server :	time.stdtime.gov.tw				
O Synchronize	with PC's time				
Date :	3/3/2008				
Time :	17:41:6				
🔘 Manual					
Date :	3/3/2008				
Time :	17:40:3				
⊙ The date and	d time remain the same				Apply

### A. System

i. System Setup

Set up the video server name, select language, and the time on this video server.

- a. Sever name: This is the video server name for the user to search on IP Installer.
- Select language : There are English, Traditional Chinese, and simplified Chinese. When a certain language is selected, the following message will popup and ask the user to confirm language changed.

Microsoft Internet Explorer 🔀				
?	Change L Are you s	anguage?, :ure?		
	ок	Cancel	)	

c. Sever time setting : Select options to set up time - "NTP",

"Synchronize with PC's time", "Manual", "The date and time remain the same".

Server Informati	GMT+05:00 GMT+05:30 GMT+05:45	tem Information
Server Name: MAC Address: Language : Time Setting Server Time: Time zone:	GMT+06:00 GMT+06:00 GMT+07:00 GMT+09:00 GMT+09:00 GMT+09:00 GMT+10:00 GMT+11:00 GMT+11:00 GMT+11:00	○ 繁體中文 ○ 简体中文 3 Time Zone: GMT+08:00
• NTP :		-
NTP Server :	time.stdtime.ç	gov.tw
O Synchronize	with PC's time	
Date :	10/9/2008	
Time :	14:51:26	
O Manual		
Date :	10/9/2008	
Time :	14:48:53	
O The date and	time remain th	he same Apply

ii. User Management

Support three authorities: administrator (the highest), user, and anonymous user.

Default Username and Password: admin/ admin

Anonymous User	Login O YES	0	
	O VES	0	
	U	💽 NO	Setting
Add User			
Username:			
Password:			
Confirm			
commu			Add/Set
	L	Password:	Password:

a. Anonymous User Login :

Yes : Allow anonymous login.

No : Require user name and password to login.

b. Add user :

Type the user name and password and then click on "Add/ Set".

c. Click on "Edit" or "Delete" to modify the user.

	ŀ	R.
	User Setup	
Username:	admin	
Password:		
Confirm:		OK

iii. System update

	Burstein Underte
	System Update
Firmware Upgrade	
Firmware Version:	¥3.2.11
New Firmware:	瀏覽
	Upgrade
Reboot System	
	Start
Factory Default	
	Start
Setting Management	
Save As a File:	Right click the mouse button on <u>Setting Download</u> and then select Save As to save current system's setting in the PC.
New Setting File:	· 瀏覽…· Upgrade

PVIDEO SERVER

- a. To update the firmware online, click "Browse..." to select the firmware. Then click "Upgrade" to the proceed.
- b. Reboot system : re-start the Video Server
- c. Factory default : delete all the settings and restore defaults system.
- d. Setting Management: User may download the current setting to PC, or upgrade from previous saved setting.
  - Setting download: Right-click the mouse button on Setting Download → Select "Save AS..." to save current Video Server setting in PC → Select saving directory → Save
  - Upgrade from previous setting Browse → search previous setting → open → upgrade → Setting update confirm → click <u>index.html</u>. to return to main page

### **B.Network**

i. IP Setting

VIDEO SERVER supports static IP and DHCP.

IP Setting				
IP Assignment				
O DHCP				
💿 Static				
IP Address:	192.168.3.236			
Subnet Mask:	255.255.255.0			
Gateway:	192.168.1.254			
DNS 0:	168.95.1.1			
DNS 1:	168.95.192.1			
Port Assignment				
Web Page Port:	80			
		Apply		

- a. DHCP : Use Dynamic Host Configuration Protocol to get all network parameters automatically.
- b. Static IP : Type IP address, subnet mask, gateway, and DNS.
- c. DNS :

With DHCP, DNS will be assigned automatically.

Static IP: Based on the network environment.

- d. Port : If the user uses the router, some ports have to be adjusted in case of conflict.
- ii. PPPoE

	PPPoE	
PPPoE Setting		
O Enabled Username: Password:	Disabled	
Send mail after	dialed	
Enabled		
Subject:	PPPoE From IPcam	Apply

If the user wants to use ADSL, please select "Enabled".

Username: username for ADSL connection.

Password: password for ADSL connection.

Send mail after dialed : After this function is enabled, it will send an email to a specific mail account. For the mail setting, please refer to IV. "Mail and FTP" settings.

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iii. DDNS

VIDEO SERVER supports DDNS. It uses dynamic IP to redirect IP and connect with the video sever.

VIDEO SERVER supports 3 kinds of DDNS severs, including dyndns.org, ddns.camddns.com, and ddns2.ydsdvr.com.

a. DynDNS;

	DDNS	
DDNS Setting		
🔵 Enabled 🛛 💿 [	Disabled	
Provider:	dyndns.org	*
Hostname:		
Username:		
Password:		
Schedule Update:	1440	Minutes
State		
ldle		
L		Apply
lote:		
IP products which i	nstalled behind th	hedule update is designed fo ne ICS or NAT devices. Update (minutes) and 0 remain to
	more than once e	e blocked by DynDNS.org if every 5 minutes to 60 minute: 1440 minutes is

- 1. DDNS Setting: Enable or Disable DDNS setting.
- 2. Input the DynDNS's host name, user name, and password.
- 3. Schedule Update: Default 1440 minutes.

\* dyndns.org: If the user's schedule update is too often, it will be blocked. Recommend the user to update once per day (1440 minutes per day).

4. Click on "Apply" to save.

# Pudeo server

b. Camddns:

	DDNS	
DNS Setting		
🔵 Enabled 🛛 💿 I	Disabled	
Provider:	ddns.camddns.c	om 🔽
Username:		
Schedule Update:	1440	Minutes
State		
lote:		Apply
<ol> <li>Schedule Update: F.</li> <li>IP products which i range from every 5 off.</li> <li>Please note that the</li> </ol>	nstalled behind the (minutes) to 5000 e hostname will be more than once e	edule update is designed fo e ICS or NAT devices. Update (minutes) and 0 remain to e blocked by DynDNS.org if very 5 minutes to 60 minute: 1440 minutes is

- 1. Input user name.
- 2. Schedule Update: Default 1440 minutes.
- 3. Click on "Apply" on save.
- c. DDNS State :
  - 1. Updating: Information updating.
  - 2. Idle: Stop Service.
  - DDNS registration successful, can now log by http://<username>.ddns.camddns.com: Register successfully.
  - 4. Update Failed, the name is already registered: The user name has already been used. Please change another one.
  - 5. Update Failed; please check your internet connection: Network connection failed.
- iv. Wireless Setting

VIDEO SERVER supports 802.11b/g wireless connection. (Notice: While using wireless setting, the user has to unplug Ethernet cable because both use the same IP. If the user doesn't unplug Ethernet cable, wireless setting can not be executed).

	Wirele	ss Setting	
status of Wirel	ess Networks		
SSID	Mode	Security	Signal strength
RHOSON	Infrastructure	WEP	13
SinoStar	Infrastructure	WEP	12
Default	Infrastructure	WEP	73
3Com	Infrastructure	OFF	35
7F-2-2	Infrastructure	WEP	4
Vireless Settir	ng		
MAC Addres	s: 00:11:E2:03:37:48		
Mode:	Infrastructure	¥	
Operation M	ode: Auto 🚩		
SSID:	Default		
Security:	None 🗸		

a. Status of Wireless Networks ;

it can scan all wireless services.

- b. Wireless Setting :
  - Mode : There are Infrastructure and Ad-hoc. Infrastructure is for connecting with the router. Ad-hoc is for connecting with PC. When the user uses Ad-hoc mode, "Channel" option can be selected.

e.g. If one PC's channel is 1, the other's channel has to 1, too.

Wireless Setting		
MAC Address:	00:11:E2:03:37:48	
Mode:	Ad-hoc 💙	
Operation Mode:	Auto 🔽	
SSID:	Default	
Channel:	6 🛩	
Security:	None 🔽	

- 2. **SSID** : Based on AP setting.
- 3. **Channel** : This is only be used when the user selects Ad-hoc mode in order to avoid conflict.
- 4. **Security** : It supports "None", "WEP", "WPA-PSK" security encryption based on the setting of the Router.

『WEP』

- Authentication : There are Open System and Shared Keys, it is based on different encryptions. This has to be the same as the Router's setting.
- Encryption : There are 64 bits and 128 bits. This is based on Key Type based on the Router's setting.

Ĭ	D	SERVER
1	VIDEO	SERVER

- Key Type: There are HEX and ASCII. When selecting HEX, the user only can input 0~9 characters and use A, B, C, D, E, and F. And, when selecting ASCII, the user can input any character. (case [upper cases/ lower cases] sensitive).
- Key 1~4 : Based on Key Type to input characters.

Security:	WEP 💌			
WEP Setting				
Authentication:	Open System 💟			
Encryption:	64 bit 🛛 🛩			
Кеу Туре:	HEX 🛛 (10 character max)			
Key 1:				
Key 2:	0			
Key 3:	0			
Key 4:	0			

『WPA-PSK』:

- Encryption : There are TKIP and AES.
- Pre-Shared Key: Allow any characters (case [upper cases/ lower cases] sensitive).

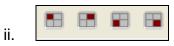
Security:	WPA-PSK 🔽	
WPA-PSK Setting		
Encryption	ткір 🔽	
Pre-Shared Key:		(ASCII format, 8~63)



### **C.Multimedia**

i. Image Setting





Select each channel to control.

iii. Adjust "Brightness", "Contrast", "Hue", and "Saturation".



- iv. Video Setting
  - a. Basic mode :

Video Setting				
Video Setting				
💿 Basic Mode	O Advanced Mode			
Resolution:	VGA 🔽			
Quality:	Standard 🐱			
Video Format:	MPEG4 🔽			
Video System:	NTSC 🔽			
		Apply		

1. Resolution :

There are 3 resolutions to be adjusted.

- VGA QVGA QCIF
- 2. Quality:

There are 5 qualities to be adjusted. The higher the quality is, the bigger the files size is.

- 3. Video Format : MPEG4 or JPEG.
- 4. Video System :

It supports NTSC and PAL.

b. Advanced Mode :

Video Setting			
Video Setting			
🔵 Basic Mode 🛛 💿 A	Advanced Mode		
Resolution:	VGA 💌		
Bitrate Control Mode:	💿 CBR  🔘 VBR		
Video Quantitative:	Q=10 💙		
Video Bitrate:	1.5Mbps 💌		
Video Frame Rate:	30 FPS 🔽		
GOP Size:	1 X FPS 💙 GOP = 30		
Video Format:	MPEG4 🔽		
Video System:	NTSC 🔽		
	Apply		

1. Resolution :

There are 3 resolutions to be adjusted.



VGA

QVGA

QCIF

2. Bitrate Control Mode :

There are CBR ( Constant Bit Rate ) and VBR ( Variable Bit Rate ) .

CBR;64Kbps~4Mbps •

VBR : Q=4~30  $^{\circ}$ 

If the bandwidth is smaller than CBR or VBR setup, it will cause legging and incomplete images.

3. Video Frame Rate :

The video refreshing rate per second. The highest Frame Rate is 30/ FPS.

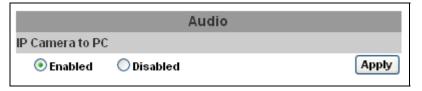
4. GOP

It means "Group of Pictures." The higher the GOP is, the better the quality is.

- 5. Video Format : MPEG4 or JPEG.
- 6. Video System : It supports NTSC and PAL.
- v. Audio:

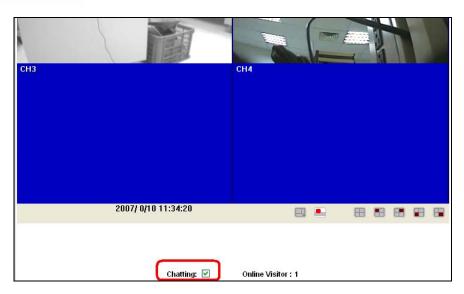
VIDEO SERVER supports 2-way audio.

a. For the video server to local PC, select "Enabled" to enable this function.



b. For local PC to the video server, click on "chatting" on IE browser.



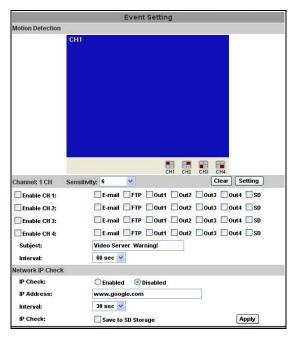




### **D.Event**

VIDEO SERVER provides multiple event settings.

i. Event Setting



VIDEO SERVER supports one motion detection area on each channel. When the motion is triggered, it can send out the video to a certain email address or upload the video to FTP. If the user has a SD Card, they can

do SD backup. The user can clicks on

channels and use the motion detection function.

Use the mouse to drag the area for motion detection area and then click on "Apply" to save.

ii. I/O Setting :

	I/O Setting
Input Setting	
Input 1 Action:	E-mail FTP Out1 Out2 Out3 Out4 Save to SD card
Input 2 Action:	E-mail FTP Out1 Out2 Out3 Out4 Save to SD card
Subject:	GPIO In Detected!
Interval:	10 sec 💟
Output Setting	
Mode Setting:	⊙ OnOff Switch 🛛 ◯ Slide Switch
interval:	10 sec 💟
	Apply

a. Input Setting :

PVIDEO SERVER

- 1. Input 1 Action : E-mail/ FTP/ Out1/ Out2/ Out3/ Out4/ Save to SD card.
- 2. Input 2 Action : The same as Input 1.
- 3. Subject : Default GPIO In Detected!
- 4. Interval : Default 10 sec.
- 5. Click on "Apply" to save.
- b. Output Setting : Mode Setting : On and Off Switch or Slide Switch. Click on "Apply" to save.
- iii. Mail and FTP

	Mail & FTP
Mail Setting	
Mail Server:	
Username:	
Password:	
Sender's Mail:	
Receiver's Mail:	
Bcc Mail:	
FTP Setting	
FTP Server:	
Username:	
Password:	
Port:	21
Path:	/
	Apply

) Video server

To send out the video via mail or FTP, please set up the configuration first.

iv. SD card

Please Insert SD card before use it. Make sure pushing SD card into the slot completely.

Note : The use of the SD card will affect the operation of the Video Server slightly, such as affecting the frame rate of the

a. Playback :

		Playback
19700101	20060417	
0.900.00099	SD C	Card: << 878M / 982M >>

1. It will show the capacity of the SD card. Click the date listed on this page. It will show the list of the video.

	2006/0	4/17	Del
Time	Video	Event Type	
09:05:22	090522f.avi	Network Dis-connected	
09:05:52	090552f.avi	Network Dis-connected	
09:06:22	090622f.avi	Network Dis-connected	
09:06:52	090652f.avi	Network Dis-connected	
09:07:22	090722f.avi	Network Dis-connected	
09:07:52	090752f.avi	Network Dis-connected	1
09:08:22	090822f.avi	Network Dis-connected	
09:08:51	090851f.avi	Network Dis-connected	
09:09:21	090921f.avi	Network Dis-connected	
09:09:51	090951f.avi	Network Dis-connected	

- 2. The video format is AVI. Click the video to start Microsoft Media Player to play it.
- 3. To delete the video, check it, then click Del. When the SD card is full, it will remove the oldest video automatically.
- v. Log List

Log List		
System Logs		
	Logs	
Motion Detection Logs		
	Logs	
I/O Logs		
	Logs	
All Logs		
	Logs	

Sort by System Logs, Motion Detection Logs and I/O Logs. In addition, System Logs and I/O Logs won't lose data due to power failure.



### VI. Factory Default



- i. Unplug the power of the Video Server.
- ii. Please contrast above RS232 interface image, and then connect Index 2 to 3.
- iii. Turn on the Video Server and wait for few minutes until IP installer can search the video server.
- iv. Please remove Index 2 and 3 connections.
- v. All the setting will be restored to factory default
- vi. Default IP address is <u>http://192.168.1.210</u>. Moreover, user name and password are admin

### VII. Package contents

- 1. 4Ch Video Server
- 2. Adaptor
- 3. Ethernet Cable
- 4. CD (user manual, IP installation utility).

### Appendix I

SD Card Recommended :

SanDisk 128M	Transcend 128M 80X
SanDisk 256M	Transcend 256M 80X
SanDisk 512M	Transcend 512M 80X
SanDisk 1G	Transcend 1G 80X
SanDisk 2G	Transcend 2G 80X
SanDisk 4G	Transcend 4G 80X