# P-CAM



# Coutions

- 1. Read this user manual before use.
- 2. Keep this user manual accessible.
- 3. Follow instruction
- 4. Keep this unit away from cleanser.
- 5. Keep this unit dry in ventilation.
- 6. Give way to ventilation outlet.
- 7. Power cord must be fixed properly.
- 8. To avoid damage, unit must not be stuffed or be splashed with something.
- 9. Do not repair this unit on your own.
- 10. Please contact local dealer for the following condition:
  - a. Power cord damaged.
  - b. Showered unit.
  - c. Failure in operation.
  - d. Unit dropped or cabinet damaged.
- 11. Repairing components must be approved by original manufacturer.
- 12. Ground wire of outdoor image source must be well connected to the ground to prevent from thunder attack.
- 13. Power cord and outdoor image source cable should be detached in case of thunder attack.



 $\star$  Only qualified engineer can detach the cover. There is nothing inside for end users. Cover must not be removed in case of power on.

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#### 1.OUTLINE

IPCAM is a low cost provision of network surveillance facility whichtransmits images on network to remote PC in format of compression technology. Monitoring, storage and recognition on line are provided by IPCAM. Image transmission remains the same quality on both ends of server site and remote site. Single image source can he transmitted to multi-ports saving lots of cabling overhead.

#### **1.1 INTRODUCTION**

Dual Compression technology JPEG & MPEG4, remote site operator can access to the server site via IE browser to secure personal safeguard and property. IP-CAM works with existing digital network transmission system.

#### **1.2 FEATURE**

\*Image & Audio transmission via Network

\*Dynamic IP & static IP support

\*Dual compression technology JPEG & MPEG-4

\*Compatible with BT.656

\*Built in motion detection & recording functions

\*IE browser remote monitoring & setup support

\*Firmware upgrade via IE browser on line

## 1.3 Specification

Camera type	BT.656 / 27MHz					
LENS	Support C/CS Mount					
Compression	MPEG4 / JPEG					
Client View	VGA:640 × 480 / 30					
(Resolution/Frame Rate)	QVGA : 320 × 240/ 30					
Network Protocol	TCP/UDP/IP, DHCP,SMTP, HTTP, NTP,DDNS,					
NetworkTrotocor	FTP,TFTP,ARP,nPn,PPPoE,RTSP					
Transmission Format	MPEG-4 video stream with 1 way PCM audio					
Recorded format	MPEG-4 video stream with 1 way PCM audio					
Motion Detection	Movement on image					
Controller Interface	Internet Explorer 5.0 or above					
	Camera setup : Brightness 、Contrast、Sharpness					
	Network : IP Configure 、 PPPoE、 DDNS					
Setup via IE	Video : Resolution ${\scriptstyle \times}$ Frame Rate ${\scriptstyle \times}$ Compression Rate ${\scriptstyle \times}$					
	P/I Rate  CMOS Frequence					
	Audio on/off					
	Update Firmware					
Memory	2M Byte Flash ROM / 8M Byte SDRAM / 32M Byte DDR					
Network	10/100 Ethernet					
Audio	Built-in high performance Microphone					
I/O Ports	Power input   RJ45 network port					
Dimensions	50 x 70 x 125 mm					
Weight	About 380g					
Power Supply	DC 12V / 500mA					
Operating Temperature	5°C ~ 40°C					
Storage Temperature	0°C ~ 70°C					
Operating Humidity	10% ~ 80%					

#### **1.4 ACCESSORY**

- 1. IPCAM
- 2. CD ROM
- 3. DC12V 1A ADAPTOR
- 4. CROSS-OVER CABLE



IPCAM

CD ROM

L		
	DC12V 1A	
	ADAPTOR	



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CROSS-OVER CABLE

#### **1.5 SYSTEM REQUIREMENT**

Pentium4 or above Windows 2000/XP/VISTA OS Protocol comply to 802.11 or ADSL network Microsoft Internet Explorer 6.0 or above

#### 2. INSTALLATION

#### 2.1 CABLING

1).Plug in Ethernet Cable Plug the cable in the Ethernet port with "LAN" mark for Ethernet connection

#### 2). Power Input

Plug in the power adaptor which supplies IPCAM could be damaged by improper voltage input.



Enternet MAC Address	00-16-55-01-6D-21
LAN Address	192.168.1.126
LAN Netmask Address	255.255.255.0
LAN Getway Address	192.168.1.1

- 3).Setup IP address of PC LAN card same as IPCAM domain. In condition of Windowns 2000 / XP OS
  - a.Select "My Network Places" by Clicking mouse on the right. Click "Properties" accordingly.



- 57-

b. Select "Local Area Connection" by clicking mouse on the right. Click "Properties" accordingly.

Lacal Area Con	nection 2
Enabled W/lware Accel	Disable <b>Status</b> Repair
	Bridge Connections
	Create Shortcut Delete Rename
	Properties

c.Select "TCP/IP" and click "Properties."

aeneral	Authentication	Advanced			
Connec	st using:				
調楽	/Mware Acceler	ated AMD PCNet	Adapter		
L			ſ	Configure	
This co	nnection uses t	he following items	: .		
	Client for Micro	osoft Networks			
	File and Printe	er Sharing for Micr	osoft Net	works	
	OoC Dook at C	cheduler			
	gigus nackets	renegator			
₹ 8	Internet Proto	col (TCP/IP)			
28	Internet Proto	col (TCP/IP)		$\sim$	
	Internet Proto	col (TCP/IP)	C	Properties	
	Internet Proto	col (TCP/IP)		Properties	$\geq$
Desc Tran	Internet Protoconstall	Col (TCP/IP)	t Protoco	Properties	
Desc Tran	Internet Proto nstall ription smission Control area network p	Uninstall	t Protoco	Properties I. The defaul nunication	t t
Desc Tran wide acro	Internet Proto Install inption smission Control area network p ss diverse interc	Uninstall Uninstall I Protocol/Interne rotocol that provio connected networ	t Protoco des comm ks.	Properties I. The defaul nunication	)
Desc Tran wide acro	Internet Proto Install ription smission Control area network p ss diverse interco w icon in notific	Uninstall Uninstall I Protocol/Interne rotocol that provio connected networ	t Protoco des comm ks.	Properties I. The defaul nunication	1
Desc Tran wide acro	Internet Proto Install ription smission Control area network p ss diverse interc w icon in notific	Uninstall Uninstall I Protocol/Interne rotocol that provi connected networ ation area when o	t Protoco des comm ks.	Properties I. The defaul nunication	t

d.Select "Use the following IP address" to input IP address, Subnet mask and Default gateway. Click "OK" accordingly.

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ieneral	
You can get IP settings assigne this capability. Otherwise, you n the appropriate IP settings.	d automatically if your network supports aed to ask your network administrator for
🔘 Obtain an IP address auto	matically
Use the following IP addre	\$5.
IP address:	192.168.1.199
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.1.1
Obtain DNS server addres	s automatically
<ul> <li>Ose the following DNS ser</li> </ul>	ver addresses:
Preferred DNS server:	14 K K
Alternation DNIC second	

4).Follow the following procedure to make sure IP address correct. a. Click "Start" "Run" and input "cmd" Click "OK".



b.Enter DOS and input "ipconfig". Click "enter" to inspect IP address, Subnet mask and Default gateway.

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C:\WIN	DOWSIS)	rstem 32	\cm	۱d.	ex	е								
Microsof (C) Copy	t Windo right 1	ws XP 985-20	[Ve 01	M	si ic)	on ro:	5 301	.1 t	.26 Co	50( 51)	8] p.			
C:\Docum	ents an	d Sett	ing	ls,	Sn (	00	>i]	pec	int	fiş	J			
Windows	IP Conf	igurat	ior	1										
Ethernet	adapte	r Loca	11	Ĭr	ea	C	oni	nec	:t:	ior	1	2 :		
	Connect	ion-sp	ec:	if	ic	D	<b>NS</b>	Sı	ifi	f is	ĸ			
	IP Addr	ess												192.168.1.199
	Subnet	Mask .											8	255.255.255.0
	net au lt	Gateu	au.											192.168.1.1

#### ★INTRANET CONNECTION



1.Cat 5 cable must be used in condition of connection via router, DSL modem and hub.



2. Please make sure PC and IPCAM same domain.

3.IPCAM detects DHCP when system starts working. IPCAM Enables DHCP protocol to accept IP address from NAT when NAT router detected. Default IP address becomes 192.168.1.126 when NAT router not detected. Suppose there is an IP address 192.168.1.126 on internet. This device must be turned off prior to IPCAM renew the IP setup.

#### 3.QUICK SETUP

- 3.1 IP SETUP for IPCAM
  - 3.1.1 Run IPCameraSearcher
    - Run IPCameraSearcher.exe, the setup window will appear on your computer

PCAM         00-16-55-01-6d-21         192.168.1.126:80         255.255.255.0         192.168.1.1           Search(S)         Config IE(C)         Setting All(A)           Total:1           Updata Only         Config IE(C)         Setting All(A)           Total:1
Search(S) Config IE(C) Setting All(A) Apply(P) Total:1

- 3.1.2 IPCameraSearcher Instruction
  - 1.Search( $\underline{S}$ ): Search all the IPCAM in the network. Click one of the IPCAM address to login.
  - 2.Config IE(<u>C</u>): IE Security Setup.
    - \* Inappropriate setting might cause the browsing in accessible.
  - 3.Apply( $\underline{A}$ ): Search all IPCAM address automatically.
  - 4.After setting an IP address, the following IP addresses will each automatically add up by one accordingly.
  - 5.Update IP(<u>I</u>): Set the IP address of the indicated IPCAM, then press "OK" to reboot the IPCAM.

\$ <sup>2</sup> 2	IPCAME	RA	
Update	P	×	
	Old	New	
IP	192,168, 1,126	168. 1 .126	
Netmask	255.255.255.0	255.255.255.0	
Gateway	192,168, 1 , 1	192.168.1.1	
User Nar	ne admin		
Passwor	d	OK Cancel	

6.Update Name(<u>N</u>): Change user name of the indicated IPCAM, then press "OK" to reboot the IPCAM.

UpdateName	2 X
IP Address	192.166.1.126
Old Name	IPCAM
New Name	IPCAM
User Name	admin
Password	
ОК	Cancel

7.Update Port(<u>P</u>): Set the port of the indicated IPCAM and press "OK"to reboot the IPCAM.

Update Htt	p Port 🛛 🗙
IP Address	192 . 168 . 1 . 125
Old Port	80
New Port	
User Name	admin
Password	
	OK Cancel

8.Default(<u>D</u>): Restore the default value of the indicated IPCAM, then press "OK" to reboot the IPCAM.

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#### 3.2 LOGIN IPCAM ON IE

To Login:

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- 1. In IPCameraSearcher, click the IP address of the indicated IPCAM.
- 2. In IE, type the IP address of the indicated IP address.

Connect to 192	2.168.1.126	?×
R		
Ipcam manager		
User name:	🖸 admin	*
Password:		
	Remember my	password
	ОК	Cancel

★USERNAME:admin ★PASSWORD:\_\_\_\_(N/A)

3.3 INSTRUCTION & LIVE VIEW of IPCAM

If login succeeded, the viewer will be appeared as below:



- 1. PLAY/STOP : Play/Stop Picture.
- 2. REC : Record the file in AV format. (Refer to 4.1.2 Video & Audio Settings to customize the file saving path.)
- SNAPSHOT : Snapshot the picture on screen in a JPG file. (Refer to 4.1.2 Video & Audio Settings to customize a path to save JPG file.)

If the path is ending by a "\", it is a directory path.

If the path is ending without a "\", the path will link to a prefixed file name.

- 4. SETUP : Set system value. For further value setup, please refer to System Setup.
- 5. The Language displayed is assigned by the system(IP address.)
- 6. CMOS Control

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- MIR : Reverse the picture from left to right.
- Brightness : Adjust the brightness.
- Contrast: Adjust the contrast.
- Sharpness: Adjust the clearness of images.
- 7. By clicking the picture, the picture size can be adjusted by the size of browsing window.

#### 4.OPERATION

- 4.1SYSTEM SETUP
  - 4.1.1 STATUS

	Status	
a financia de la companya de la comp	System Information	
R Basic Longuration	Firmware Current Version	1.01.00 M (May 26 2009 11 50:54)
Advance configuration	Network Status	
BETURN	Ethernet MAC Address	00-16-55-01-9F-DC
Restance of the second s	LAN IP Address	
	LAN Netmask Address	
	LAN Gateway Address	
	DHCP State	Disabled
	Camera Information	
	Camera Type	CMOS
	OCX Information	
	OCX Current Version	2.20.0.7
	OCX Path	CitProgram Files\CMS\IMMP4Control.OCX

- 4.1.1.1 SYSTEM INFORMATION
  - Firmware Current Version : By updating the firmware, more functions will be attached to the program.
- 4.1.1.2 NETWORK STATUS
  - Ethernet MAC Address: MAC address of the IPCAM.
  - LAN IP Address: IP address of the IPCAM.
  - LAN Netmask Address: LAN net-mask address of the IPCAM.
  - LAN Gateway Address: LAN gateway address of the IPCAM.
  - DHCP State: Dynamic Host Configuration Protocol. When using static IP, the status will show "Disable," the opposite will be "Enabled."
- 4.1.1.3 CAMERA INFORMATION
  - Camera Type : Mode of Camera
  - Total Live-View Users: Total number of live-view users. Maximum user on-line is up to 20.
- 4.1.1.4 OCX INFORMATION
  - OCX Current Version : Current OCX version
  - OCX Path : The path accesses to OCX

#### 4.1.2 VIDEO & AUDIO SETTINGS

	Video Settings	
L Breis Cheffannstan	Video Stream	
- STATUS	CBR	Disable
- VIDEOSAUDIO	Resolution	VGA 🔛
- NETWORKING	Limit Frame Rate to:	10 💓
- PFP4E	Snap_Shot	
- DDNS	Path & File Name:	ci\image\image
- DATE & TIME	Time Label	Yes 🔍 No. 🔍
<ul> <li>Advance Configuration</li> </ul>	OSD	
RETURN		
( and the second second		10 9
		Yes 🔹 Na 🗢
	REG	
	REC File	ct\rec\rec
		<ul> <li>seconds (0 - infinity)</li> </ul>
	REC Time Label	Yas 🔍 No 🔍
	Audio Settina	
	Audia Valume	10 💌
	V IPcam Audio Enabled	
	V DC & dia Epablad	
	Save Reset	

#### 4.1.2.1 VIDEO SETTINGS

- CBR : Set the Constant Bit Rate of Video
- Resolution : Picture resolution. QVGA and VGA are provided for selection.
- Limit Frame Rate to: Frame rate transmitting per second is defined by the internet connection speed. Higher value brings smoother picture performance.

#### 4.1.2.2 SNAP SHOT

- Path & File Namer: Set the path to save still picture taken by snapshot.
- If the path is ending by a "\", it is a directory path.
- If the path is ending without a "\", the path will link to a prefixed file name.
- Time Label : Enable or disable Time Label function.

#### 4.1.2.3 OSD

- OSD Text: Text showing on top of the picture. Maximum byte: 32.
- OSD Font size: Size of the font.
- OSD Enabled: Enable or disable OSD.
- 4.1.2.4 REC
  - REC File: Set the path to save recorded picture.
  - If the path is ending by a "\", it is a directory path.
  - If the path is ending without a "\", the path will link to a prefixed file name.
  - REC Duration Time : Time duration of recording.
  - REC Time Label: Enable or disable REC Time Label.
  - REC File Time Label: Enable or disable REC File Time Label.
- 4.1.2.5 AUDIO SETTING
  - Audio Volume: Set audio volume.
  - IPCAM Audio Enable : Enable or disable audio function on IPCAM.
  - PC Audio Enable: Enable or disable audio function of PC.

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4.1.3 NetWorking



#### 4.1.3.1 IP Address Configuration

- There are two ways to set the IP address :
- Obtain IP address via DHCP: Obtain IP address via Dynamic Host Configuration Protocol.
- Use the following IP Address: Set the static IP address manually.
- 4.1.3.2 DNS configuration
  - Two DNS IP addresses are allowed within this model.
  - Primary DNS Server: Primary DNS IP address.
  - Secondary DNS Server: Secondary DNS IP address.
- 4.1.3.3 HTTP
  - Prefixed port: 80
  - If the port is to be changed, the IP address should be changed accordingly. Ex: Original IP address is 192.168.1.126, prefixed port is 80. If the port is changed to 1000, the IP address should become: 192.168.1.126:1000.

#### 4.1.4 PPPoE

	PPPoE		
Basic Configuration	Configuration		
- STATUS	Enable PPPoE:		Yes 🔍 No 💿
- VIDEOSAUDIO	User Name:		
- NETWORKING	Password:		
- PPPoE	MTH (128-1492)		1492
- DDNS	Free of Marking and the set of the set		
- DATE & TIME	Entail Nobilcation when this c	langeu:	Yes OND O
Advance Configuration	Save Reset		
RETURN	Status		
Restoration of the second	IP Address:	0.0.0.0	
	Secondary DNS Server:		
	Refresh		

- 4.1.4.1 PPPoE CONFIGURATION
  - Enable PPPoE : Enable or disable PPPoE.
  - User Name : Insert the user name from by ISP provider.
  - Password: Insert password from ISP provider.
  - MTU (128~1492): Maximum Transmission Unit, the largest packet that can pass onwards in communication protocol, is calculated in bytes of the size. MTU is usually set in 1500 bytes for transmission. If the MTU packets are too large, it will block up a slow interface for some time, increasing the lag on other packets. Reducing the packet size will help the smoothness of transmission. Prefixed size is 1492.
  - Email Notification when IP is changed: SMTP should be preset before using this function (Refer to 5.4 SMTP Settings.)
- 4.1.4.2 STATUS
  - By clicking "Refresh," the IP status from ISP provider will be displayed.

#### 4.1.5 DDNS

Signing up at DynDNS, PeanutHull, or perfecteyes before setting DDNS is required.

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	Dynamic DNS Setting		
Basic Configuration	Dynamic DNS		
- STATUS	Choose Server	Disabled 🛛 🚩	
- VIDEO&AUDIO			
- NETWORKING	DNS Account		
- PPPoE	User Name		
- DDNS	Password		
- DATE & TIME	Manual_Update		
Advance Configuration	Status	Initializing DDNS progress!	
RETURN	Save Reset		

#### 4.1.5.1DYNAMIC DNS

- Choose Server: Choose the DDNS server that provided by DynDNS, PeanutHull, and perfecteyes.
- DNS Account: Account number provided by DDNS server, ex. test. dyndns.org.
- User Name: Account user name.
- Password: Account password.
- Manual\_Update: Update manually the IP address of current IPCAM to indicated DDNS Server.
- Status: Insert the response from the DDNS server.
- Save: Save above mentioned setting.
- Reset: Reset all settings.

4.1.6 DATE & TIME

	Date & Time Settings
Basic Configuration	Current Server Time
- STATUS	Date: 1670-01-01 Time: 08115106:
- VIDED&AUDIO	<u>Time Zone</u>
- NETWORKING	GMT+08 (Beijing, Hong Kong, Shanghai, Talpei, Talwan) 💌
- PPPoE	Time Mode
- DDNS	NTP server 1: pool.ntp.org
- DATE & TIME	NTP server 24 pool.ntp.org
Advance Configuration	Update Server Time
RETURN	Synchranize with computer time Update
	Date: 2008-05-23 Time: 02/15/47
	Set manually Update
	Date: 1970-01-01 Time: 08:15:04
	Save

- 4.1.6.1 CURRENT SERVER TIME
  - Show current time at the IPCAM.
- 4.1.6.2 Time Zone
  - Choose the time zone where the IPCAM is at.
- 4.1.6.3 TIME MODE
- When network is functioning, the time can be set according to the server.
- 4.1.6.4 UP DATE SERVER TIME
  - Time update can be done in this section either automatically for the IPCAM current time or manually for the new time.

#### 4.2 ADVANCE CONFIGURATION

4.2.1MAINTENANCE

	Maintenance	
Basic Configuration	Maintain Server	
Advance Configuration	Restart Restart the Network Camera,	
- MAINTENANCE	Restore Resets all parameters, except the	IP parameters, to the original factory settings.
- ADMINISTRATOR	Default Desets all second sectors to the	
- CHANGE PASSWOD	vesets an parameters to the origin	ta tacuty sectigs.
- SMTP	Upgrade Server	
- FTP	Upgrade the Network Camera with the latest firmw	are current version 1.00.01.M (Mar 10 2008 17:12:31)
- RTSP	Specify the firmware to upgrade to:	Browse and click Upgrade
- ALARM EVENT		
- SPECIAL SETTING	The second se	
HETURN		

- 4.2.1.1 MAINTAIN SERVER
  - Restart : Restart the IPCAM.
  - Restore: Restore all settings except IP address.
- Default: Restore all settings.
- 4.2.1.2 UPGRADE SERVER
  - Click "browse" and choose .IMG FIRMWARE FILE, Click "upgrade" to upgrade the firmware. Once the process is completed, click "Restore" to confirm the upgrading.

#### 4.2.2 ADMINISTRATOR

\$~~<del>`</del>~

In this section, the user can add, delete, enable/disable anonymous user, and set the camera (video server) name.

	Manage		
Basic Configuration	<u>User List</u>		
Advance Configuration	User Name	User Group	
- MAINTENANCE	admin	Administrator	
- ADMINISTRATOR			
- CHANGE PASSWOD			
- SMTP			
- FTP			
- RTSP			
- ALARM EVENT	1		
- SPECIAL SETTING	Add	Remove	
RETURN	Anonymous	Iser Settinos	
	Van A Ha A Fe		
	YES VIND VEI	iable anonymous viewer logir	
	Maximum numb	ar of simultaneous viewers lin	nited to: 20 (Maximum value:20)
	Camera Nam	e Setting	
	Camera Name:		IPCAM
	Save	Reset	

#### 4.2.2.1 USER LIST

- Add or remove users.
- Add: Click to add new users.
- Remove: Select a user name then click "remove" to remove the user.

4.2.2.2 ANONYMOUS USER SETTINGS

- Yes: Users can view the picture without user name and password.
- Maximum number of simultaneous viewers limited to: Maximum simultaneous viewer is 1-20.

4.2.2.3 CAMERA NAME SETTING

• Camera Name can be set with a name that is easier to remember. It will appear on IP address list when IPCameraSearcher is scanning.

## 4.2.3 Management

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- User Name: Insert user name.
- Password: Insert new password.
- Confirm Password: Insert again the password to confirm.

### 4.2.4 SMTP (E-Mail)

#### 4.2.4.1 SMTP Server Settings

-	SMTP (E-Mail)	
Basic Configuration	SMTP Server1 Settings	
Advance Configuration	Mail Server <sup>1</sup> :	
- MAINTENANCE	From E-Mail address <sup>1</sup> :	
- ADMINISTRATOR	To E-Mail address <sup>1</sup> :	
- CHANGE PASSWOD	Authentication <sup>1</sup>	Yes • No •
- SMTP	User Namel	
- FTP	a d	
- RTSP	Password*:	Section 1
- ALARM EVENT	Send a test e-mail with SMTP server1	Test
- SPECIAL SETTING	A second se	
RETLIAN	<ul> <li>Mandatory heros. If these are not set, no mail</li> <li><sup>2</sup> If a host name is used, a valid DNS server mus</li> <li>Save</li> <li>Reset</li> </ul>	can be sent. at be specified in the TCP/IP network settings

- Mail Server : Insert IP address of SMTP server. For example, the ail box is GAMIL, then insert the mail server as smtp.gamil.com
- From E-mail Address : Set the E-mail address of sender. Please kindly note the sender's mail box should be the same with the mail server's. For example, if the mail server is GAML, then the sender's mail box should be the GAML mail box.
- To E-mail Address: Set the e-mail address of receiver. It will send email to this box when a trigger event occurs.
- Authentication: If your mail box needs the authentication, please select YES.
- User Name: User name of E-mail sender
- Password: Password of the email address.
- Send a test e-mail with SMTP server: Test if the E-mail settings are Correct. Press "test," you will receive the mail which subject is "This is a test message from IP address the address of the mail server."

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#### 4.2.5 FTP

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	FTP	
	FTP Settings	
Basic Configuration	FTP Server	
Advance Configuration	User Name	
- MAINTENANCE	Password	
- ADMINISTRATOR		
- CHANGE PASSWOD	FIP Command Port	21
- SMTP	Path & File Name	đ
- FTP	Save Reset	
- RTSP		
- ALARM EVENT		
- SPECIAL SETTING		
RETURN		

#### 4.2.5.1 FTP SETTINGS

- FTP Server: Insert address of FTP Server.
- User Name: Insert user name.
- Password: Insert password.
- FTP Command Port: insert FTP command port .
- Path & File Name: Insert the path to save file name.
- If the path is ending by a "\", it is a directory path.
- If the path is ending without a "\", the path will link to a prefixed file name

#### 4.2.6 ALARM EVENT



#### 4.2.6.1 EMBEDDED MOTION DETECTION SETTING

- Begin: Total 16 detection regions, click "begin" to edit the setting.
- Edit Region: Under edit mode, define detection region.
- Remove Region: Under edit mode, remove defined detection region(s).

- End Edit: Finish editing.
- Sensitivity: Set sensitivity of motion detection.
- Motion Detection Enabled: Enable or disable motion detection.

#### 4.2.6.2 Alarm Event

- No event: the system will not be triggered.
- Upload the recorded files to an FTP Server (FTP should be set firstly.)

#### 4.2.7 SPECIAL SETTING

	Special Setting	
Basic Configuration	Video Advance Setting	
Advance Configuration	Compression	5 💌
- MAINTENANCE	P/I Ratio(P frame ; I frame)	14 🗹
- ADMINISTRATOR	CMOS Frequence:	60Hz 😒
- CHANGE PASSWOD	Slow shutter	1/2 frame 🔛
- SMTP	RGB	
- FTP	UseRGB	Yes 🔍 No 🌑
- RTSP	Language Select	
- ALARM EVENT - SPECIAL SETTING RETURN	<ul> <li>English          <ul> <li>Simplified Chinese</li> <li>Save</li> <li>Reset</li> </ul> </li> </ul>	Traditional Chinese

#### 4.2.7.1 VIDEO ADVANCE SETTING

- Compression: Select video compression.
- P/I Ratio(P Frame ; I Frame ): Ratio of P frame and I frame.
- Higher number results in smaller transmission size and duller picture.

CMOS Frequency Setting: 60HZ/NTSC , 50HZ/PAL

Slow Shutter: Adjust to OFF, 1/2 Frame, 1/4 Frame.

Adjust the option, enhance light into camera when at

night or low light. But will lower the frame rate.

- 4.2.7.2 RGB
  - Some old versions of display card do not support YUV display. RGB display is optional under this circumstance. CPU usage will be increased slightly while RGB display is operating.
  - Use RGB: Enable or disable RGB display.

#### 5. USER GUIDE of AVPlayBack

This software AVPlayBack can play the recorded files with an \*.av extension and also can convert an \*av file to an \*.avi file

#### 5.1 THE MAIN FUNCTION OF AVPlayBack

- Play the recorded file with an \*.av extension.
  Supports the file conversion from \*.av to \*.avi.

#### **5.2 SYSTEM REQUIREMENTS**

Operating System	Windows 2000(SP4)  Vindows XP or later
DirectX	DirectX 7.0 version or above
CPU	More than 1.5 Ghz clock
Memory	512MB above

#### 5.3 SYSTEM INSTALLATION

Perform the intallation with the enclosed AVPlayBack Disc and follow the on-screen instructions to complete the installation process.

#### 5.4 USER INTERFACE





