# **IP High Speed Dome**

**User Manual** 

V2.21

•

# **Table of Contents**

1. Ir	ntroduction1
	1.1 Statement1
	1.2 Technical Terms
	1.3 Working Environment
2.	Web Interface
	2.1 Live View
	2.2 PTZ Control
	2.3 Setting
3. C	lient Interface
	3.1 Software Installation
	3.2 Live View
	3.3 Device list
	3.4 PTZ Control
	3.5 Video Setting
	3.6 Property
	3.7 Alarm and Record41
	3.8 Media Player
4. D	Device Searcher
5. E	AQ45

# **1. Introduction**

### **1.1 Statement**

This manual is intended for administrators and users of our IP High Speed Dome, to explain the features, and provide instructions for installation and operation.

This manual is based on IPC Client(v2.21) and IE V2.19, which shall be amended from time to time.

### **1.2 Technical Terms**

IPC: Internet Protocol Camera

720P: 720P refers to a progressive HDTV signal with 720 horizontal lines and an aspect ratio (AR) of 16:9 (1.78:1), and all major high definition(HD) TV broadcasting standards include a 720p format which has a resolution of 1280x720. The number '720' stands for the 720 horizontal scan lines of display resolution (also known as 720 pixels of vertical resolution), while the letter p stands for progressive scan or non-interlaced.

H.264: H.264 is a standard for video compression, and is currently one of the most commonly used formats for the recording, compression, and distribution of high definition video.

Frame: Frame is electronically coded still image in video technology.

Frame rate: The number of frames—or images—displayed on screen per unit of time, usually expressed in frames per second (FPS). Higher frame rate means smoother movement during playback.

Bit Rate: Bit Rate is the number of bits that are conveyed or processed per unit of time, and is quantified using the bits per second (bit/s or bps) unit.

Micro SD Card: Micro SD Card (originally named TransFlash), comes with the size of 11\*15\*1.0MM, about a quarter of the standard SD Card. It can be used as standard SD Card with SD Card Adaptor.

OSD: On Screen Display

DDNS: DDNS or Dynamic DNS is a term used for the updating in real time of Internet Domain Name System (DNS) name servers to keep up to date the active DNS configuration of their configured hostnames, addresses and other information.

# **1.3 Working Environment**

To ensure stable performance of our product, we suggest you run it under the environment shown as below:

СРИ	Above Celeron 2.4G
Graphics Cards	Above 256M
OS	Windows
Hard Disk	Above 128M
Lan	100M, 1000M

# 2. Web Interface

# 2.1 Live View

Input IP Address of the IP Camera(default: 192.168.1.253) and select "English" at the up right corner of the interface.



P2.1

Click "Download ActiveX Control". After successful download, run Setup and follow the installation steps. (This is also client software installation.)

After successful installation, input username (default: admin) and password (default: admin), then click "Login" and run ActiveX Control.



P2.2

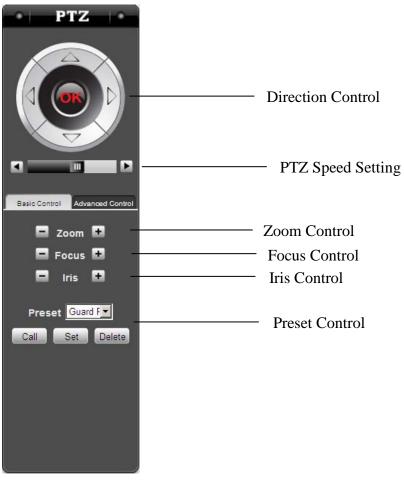
After successful login, user can view live video and set configurations.



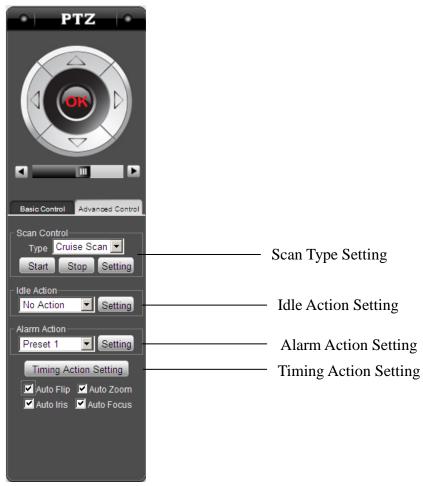
P2.3

Icon	Description			
<b>O</b>	Start/Stop Record			
	Enable/Disable Audio			
۲	Enable/Disable Talk			
50	Capture Picture			
-	Stop Alarm			
9	Start Playback			
Ħ	Enter/Exit Full Screen			
	Live View Interface			
	Parameters Configuration			
	Product Information			

# 2.2 PTZ Control



P2.4



P2.5

# 2.3 Setting

Click "Setting" to enter parameters configuration interface.

			Vdeo Setting	About
• • • •				
>> Local coning				
>> Device Config				
Audio Setting				
Video Setting	Local Config	11 53		-
Network Setting	Stream Type	First Stream		
Record Setting	Record Path			
Alarm Setting	Capture Path			
Serial Setting				
System Setting	Download Path			
	Save			

P2.6

### Local Configuration

User can set stream type, record, capture and download path.

IP CAM Real-time IP Camer	ERA a Monitoring System		Vdeo Setting About
• • • • •			
>> Local config			
>> Device Config			
Audio Setting			
Video Setting	Local Config	·	<u>2</u>
Network Setting	Stream Type	First Stream	
Record Setting	Record Path		
Alarm Setting	Capture Path		
Serial Setting			
System Setting	Download Path		
	Save		

#### **Device Configuration**

#### Audio Setting

User can enable audio, set audio input, encoding, audio bit rate and sampling rate. When select "MIC-In", camera will receive audio signal through internal microphone. When select "Line-In", camera will receive audio signal through line-in connection.

U I P CAMERA Real-time IP Camera Monitoring System				
·	_	_		
>> Local Config				
>> Device Config				
<ul> <li>AsingSkinurji</li> </ul>	Audio Setting			
<ul> <li>Video Setting</li> <li>Network Setting</li> </ul>	Enable Audic			
Record Setting	Audio Input	MIC-In		
Alarm Setting	Encoding	G.726 💌		
Serial Setting	Audio Bit Rate	8K		
System Setting	Sampling Rate			
	Save			



#### **Video Setting**

#### Encoding

User can set Encoding Type, Resolution, Frame Rate and so on for First and Second Stream.

	AMERA Camera Monitoring System			Video Setting	About
Local Config     Device Config     Audio Setting					
Video Setting	Encoding				
** Encoding		First Stream	Second Stream		
·· > OSD	Encoding Type	H.264 💌	H.264		
-> Privacy Zone	Resolution	1920*1080 💌	1280*720		
Image     Network Setting	Frame Rate				
Record Setting	I Frame Interval				
Alarm Setting	Bit Rate Type	Constant Bit Rate	Constant Bit Rat	e 💌	
Serial Setting	Bit Rate	Kbps	Kbps		
System Setting	Image Quality	Highest	Highest		
	Save				

#### OSD

User can set the text displayed on the screen, including color, content, position, time format and so on.



#### Privacy Zone

User can block the areas they don't want to show on the screen. Select checkbox "Enable Privacy Zone" and click "Set Zone", then user can click and drag the mouse to draw multiple privacy zones.



#### Image

User can adjust the video parameters, flip and rotate the video and select the scene.

			Video Setting About
	Image	Ed The second	
<ul> <li>Serial Setting</li> <li>System Setting</li> </ul>	- Basic Parameter Brightness Contrast Chroma Saturation Saturation Sharpness Red Blue * Advanced Parameter		100 255 10 80 70 60 50 40

P2.12

#### **Network Setting**

#### **IP** Setting

User can set the IP Address, Subnet Mask, Default Gateway and DNS Sever for of the camera.

	MERA umera Monitoring System Video Setting About
	IP Setting
Video Setting     Network Setting     ·> IP Setting     ·> Port Setting     ·> FTP Setting     ·> FTP Setting     ·> FTP Setting     ·> E-MAIL Setting	C Obtained IP Address Automatically C Use IP Address As Following IP Address Subnet Mask
DDNS Setting     UPNP Setting     Record Setting     Alarm Setting     Serial Setting     System Setting	Obtained DNS Automatically  Use DNS As Following  Main DNS  Sub DNS
	MAC Save

P2.13

#### Port Setting

User can set camera and web port.

IP CAMERA Real-time IP Camera Monitoring System				
••		_	_	
>> Local Config				
>> Device Config				
Audio Setting				
Video Setting	Port Setting			<del>7</del>
Network Setting	Device Port			
-> IP Setting	Web Port			
-> Port Setting	Save			2
-> FTP Setting	Save			
-> E-MAIL Setting				
-> DDNS Setting				
-> UPNP Setting				
Record Setting				
Alarm Setting				
Serial Setting				
System Setting				

P2.14

#### FTP Setting

-

User can set the FTP to upload alarm pictures.

IP CAMERA Real-time IP Camera Monitoring System				
• • •		_	_	
>> Local Config				
>> Device Config				
Audio Setting				
Video Setting	FTP Setting			
Network Setting	Server IP			
-> IP Setting	Server Port			
-> Port Setting	Remote Path			
** FTP Setting				
-> E-MAIL Setting	User Name			
-> DDNS Setting	Password		]	
-> UPNP Setting	Save			
Record Setting	Care			
Alarm Setting				
Serial Setting				
System Setting				

#### Email Setting

User can set the email to receive alarm messages and pictures.

IP CAMERA Real-time IP Camera Monitoring System				
• •				
>> Local Config				
>> Device Config				
Audio Setting	Encell Contine			
Video Setting	Email Setting			
Network Setting	SMTP Server			
-> IP Setting	SMTP Port			
Port Setting	Sender Address			
PTP Setting		·		
** E-MAIL Setting	SMTP User Name			
DDNS Setting	SMTP Password			
·· UPNP Setting	Receiver Address			
Record Setting	CC Address 1			
Alarm Setting				
Serial Setting	CC Address 2			
System Setting	SSL			
	Save			

P2.16

#### DDNS Setting

User can enable DDNS and set parameters, input provider, user name, password, domain, sever port and update cycle.

	MERA Camera Monitoring System		Video Setting About
Local Config     Local Config     Device Config     Audio Setting			
<ul> <li>Video Setting</li> <li>Network Setting</li> </ul>	DDNS Setting Enable DDNS		
··> IP Setting	Provider	×	
-> Port Setting	Server Port		
E-MAIL Setting     DDNS Setting	Domain User Name		
·· UPNP Setting	Password		
<ul> <li>Record Setting</li> <li>Alarm Setting</li> </ul>	Update Cycle	Hour	
<ul> <li>Serial Setting</li> <li>System Setting</li> </ul>	Sæ		

#### UPNP Setting

User can set UPNP				
	IERA erra Monitoring System		Vie	deo Setting About
		_	_	
Video Setting	UPNP Setting	_		
Network Setting	Enable UPNP			
··> IP Setting	Use Pattern	Appoint 👻		
··> Port Setting	Network Card	Wired		
** FTP Setting	Server IP			
** E-MAIL Setting	Device Port		1	
·• DDNS Setting			]	
·· UPNP Setting	Web Port			
Record Setting	Device Port Mapping Status		[	
Alarm Setting	Web Port Mapping Status			
<ul> <li>Serial Setting</li> <li>System Setting</li> </ul>	Update Cycle	,	· 1	
<ul> <li>System Setting</li> </ul>			Hour	
	Save			

P2.18

# **Record Setting**

SD Card Setting User can check and format Micro SD Card.

	Video Setting About
SD Card Infomation Select NO. Total Size(MB) Available Size(MB) Format Refresh	Status

#### Auto Record

User can set auto record section and parameter. Click the checkbox after the weekday and input the record time. To set first or second stream, please refer to Video Setting>>Encoding.

	IERA era Monitoring System		Video	Setting About
	Auto Record			
<ul> <li>Network Setting</li> <li>Record Setting</li> <li>S D Card Setting</li> <li>Auto Record</li> <li>Alarm Setting</li> <li>Serial Setting</li> <li>System Setting</li> </ul>	Auto Record Sett Everyday [2] Sunday [2] Monday [2] Tuesday [2] Wednesday [2] Thursday [2] Friday [2] Saturday [2] Record Parameter automatically.	Record Section 1         ::::::::::::::::::::::::::::::::::::	Record Section 2         :       :         :       :         :       :         :       :         :       :         :       :         :       :         :       :	

P2.20

#### **Alarm Setting**

#### Motion Detection

User can set detection zone, sensitivity level, alarm section, alarm signal output, triggered record & capture, send alarm message by mail and so on.

Select checkbox "Enable Motion Detection" and click "Set Zone", then user can click and drag the mouse to draw multiple detection zones. When there is movement in the zone, alarm will be triggered and relevant action activated.



P2.21

Probe Detection

User can set detection zone, probe type, alarm section, alarm signal output, triggered record & capture, send alarm message by mail and so on.

Select checkbox "Enable Probe Detection" and click "Set Zone", then user can click and drag the mouse to draw multiple detection zones.

	ERA ra Monitoring System		Video Setting About	
	Probe Detection	able Probe Detection	Type Open Probe	
<ul> <li>Record Setting</li> <li>Alarm Setting</li> <li>Motion Detection</li> <li>Probe Detection</li> <li>Serial Setting</li> <li>System Setting</li> </ul>	- Alarm Section Everyday Sunday Monday Tuesday Wednesday Thursday Friday Saturday	Section 1	Section 2	
	+ Output Alarm Signal + Triggered Record + Triggered Capture + Triggered Email Save			

P2.22

#### **Serial Setting**

Port Setting

User can set parameters for RS485 and RS232 port.

Note: These parameters must conform with the PTZ camera to control.

	AMERA Camera Monitoring System		Video Setting About
>> Local Config		_	
Device Config     Audio Setting     Video Setting	Port Setting		
Network Setting		1	
Record Setting	Port		
Alarm Setting	Baud Rate	50 💌	
Serial Setting	Data Bit	5	
Port Setting	Stop Bit	1	
-> PTZ Setting	Check Bit	No Check	
System Setting			
	Stream	None	
	Save		



#### PTZ Setting

User can set parameters for PTZ protocol and address.

Note: These parameters must conform with those of the PTZ camera to control.

	TERA nera Monitoring System	Video Setting About
• • • • •		
>> Local Config		
>> Device Config		
Audio Setting	PTZ Setting	
Video Setting	PTZ Protocal pelco_D	
Network Setting		
Record Setting	PTZ Address 0	
<ul> <li>Alarm Setting</li> <li>Serial Setting</li> </ul>	Save	
- Port Setting		
** PTZ Setting		
System Setting		

#### **System Setting**

**Basic Information** 

User can input camera type and view some basic information of the camera, including Camera IP, Video Output and Alarm Channels, number of RS485 and RS232 Port, etc.

IP CAMERA Real-time IP Camera Monitoring System	Video Setting About
Save	

#### P2.25

#### System Time

User can set time of the camera through three ways: Manual, Sync to PC, Sync to NTP. In the "Sync to NTP" section, user needs to input the NTP Server, Sync Cycle and choose time zone. User can also enable daylight saving time if necessary.

			Video	Setting	About
>> Local Config	_				
>> Device Config					
Audio Setting					
Video Setting	System Time				_
Network Setting	Manual and Sync				
Record Setting	Current Time	2012-07-05 15:35:18			
Alarm Setting		C Sync to PC			
Serial Setting		Manual			
System Setting		Save			
** Basic Information		Care			
-> System Time					_
-> User Account	Sync to NTP				
-> Upgrade	Enable NTP				
	NTP Server				
	Time Zone	(GMT+08:00)Beijing, Hongkong, Singapore, Taipei		-	
	Sync Cycle	Hour			
	Enable Daylight Saving Time	п			
		Save			_

P2.26

#### User Account

	MERA Camera Monitoring System	J
Local Config     Device Config     Audio Setting     Video Setting     Network Setting     Record Setting     Aiam Setting	User Type Administrator  User Name	
<ul> <li>Serial Setting</li> <li>System Setting</li> <li>Basic Information</li> <li>System Time</li> </ul>	New Password Confirm Password Save	
-→ Upgrade	Note : User Name, Password should only use letters, numbers, underscores and dots, from 1 to 16 characters. Please login again after modifying.	

User can change User Name, Password for Administrator, Guest1 and Guest2.

P2.27

#### Upgrade

User can click "Browse" to select local upgrade file and upgrade the IE Interface, which will take effect after reboot. User can also default setting of the camera.

	P Camera Monitoring System		Video Setting Ab	out
	Upgrade File Upgrade	Reboot		

# 3. Client Interface

# **3.1 Software Installation**

Client Software can be installed from both Internet Interface and the CD that comes with the camera. Enter the Internet Login Interface and click "Download ActiveX Control". After successful download, run Setup and follow the installation steps.



P3.1

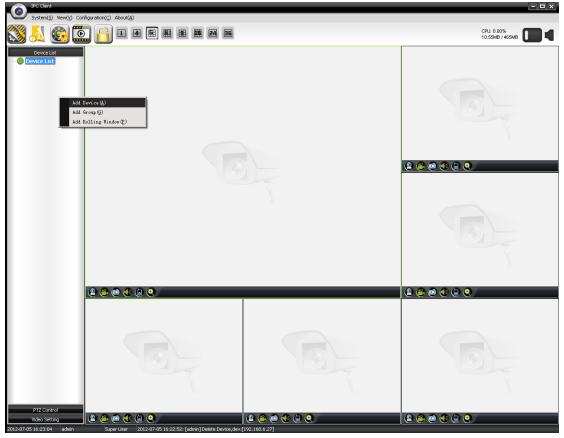
# 3.2 Live View

After successful installation, run IPC Client. Input username (default: admin) and password (default: admin), then click "Login".



P3.2

After successful login, right click in the device list section to add camera.



P3.3

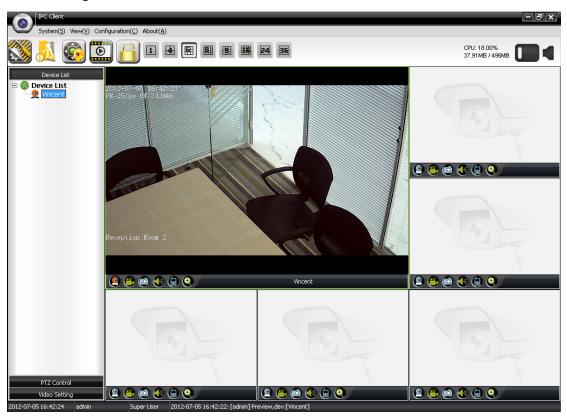
System(5) View(⊻) Configurat				24 36				CPU: 1.00% 29.46MB / 519MB
Device List Device List	Add Device		_	_			×	
Device List	Add Device							
	Device Name				Decode	r General Decoder		
	0	-						
	●IP (v4)	<u> </u>		Port ()	OIP (v6)			
	Stream Type	Auto Select						
	User Name	admin			PWD ****	* Logi	n Test	
								) 🕼 🖨 😌
	Device ID	Software Version	Device Type	Port	IP	MAC	D 🔺 🎽	
		02.1C.01.06	49152	6080	192.168.6.242	E0-3C-5B-00-12-59		
		02.1C.01.06	16384		192.168.6.21	E0-3C-5B-00-12-41		
		02.1C.01.06	16384	6080	192.168.6.28	E0-3C-5B-00-13-5B		
	IPNC122	02.1C.01.06	16384	6080	192.168.6.27	E0-3C-5B-00-13-58		
		02.1C.01.06	16384	6080	192.168.6.245	E0-3C-5B-00-13-50		
	IPNC122	02.1C.01.06	49152	6080	192.168.6.248	E0-3C-5B-00-12-39		
		02.1C.01.06	16384		192.168.6.244	E0-3C-5B-00-12-96		
		02.1C.01.06	16384		192.168.6.20	00-16-D3-29-1E-D4		
		02.10.01.06	49152		192.168.6.249	E0-3C-5B-00-12-36	_	
		02.1C.01.06	32768		192.168.6.243	E0-3C-5B-00-12-5B		
9	<b>`</b>	02.1C.01.06	57344		192.168.6.253	00-16-D3-29-1E-D8		) 🕼 🔒 😔
		02.10.01.06	16384		192.168.6.22	E0-3C-5B-00-13-56		
		02.1C.01.06	16384	6080 6080 ,	192.168.6.24 192.168.6.25	E0-3C-5B-00-12-42 E0-3C-5B-00-13-4E	-	
	■ 19ML 177	112 11 111 106	15 384	6080	192 168 6 25	FILE & -58-101-1 3-4F	•	
	Add C	ancel					Search	
					1.1.2.7			
						10		
						0		
PTZ Control						10 / m		

Input the camera parameters or click "Search" to list the cameras available on the network.

P3.4

Select the camera, modify camera name if necessary and then click "Add".

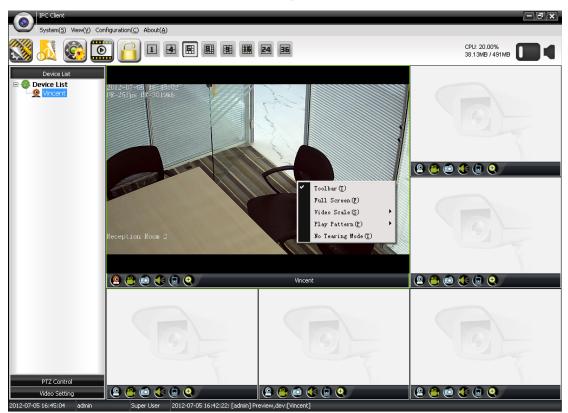
System(5) View(V)	nfiguration(C) About(A)	- 3 ×
🔊 🕺 🚳		0.00% MB / 506MB
Device List	O Add Device	
-		
	Device Name Vincent Decoder General Decoder	
	● IP (v4) 192.168.6.27 Port 6080 O IP (v6)	
	Stream Type Auto Select	
	User Name admin PWD ***** Login Test	
	Device ID Software Version Device Type Port IP MAC D	
	IPNC122 02.1C.01.06 49152 6080 192.168.6.242 E0-3C-5B-00-12-59	
	IPNC101 02.1C.01.06 16384 6080 192.168.6.21 E0-3C-5B-00-12-41 IPNC101 02.1C.01.06 16384 6080 192.168.6.28 E0-3C-5B-00-13-5B	
	IPNC102 02.1C.01.06 16384 6080 192.168.6.27 E0-3C-5B-00-13-58	
	IPNC122 02.1C.01.06 16384 6080 192.168.6.245 E0-3C-5B-00-13-50	
	IPNC12202.10.01.06 49152 6080 192.168.6.248 E0-3C-58-00-12-39	
	IPNC101 02.1C.01.06 16384 6080 192.168.6.244 E0-3C-5B-00-12-96	
	IPNC121 02.1C.01.06 16384 6080 192.168.6.20 00-16-D3-29-1E-D4	
	IPNC121 02.1C.01.06 49152 6080 192.168.6.249 E0-3C-5B-00-12-36	
	IPNC122 02.1C.01.06 32768 6080 192.168.6.243 E0-3C-5B-00-12-5B	
	😩 ( IPNC122 02.1C.01.06 57344 6080 192.168.6.253 00-16-D3-29-1E-D8	0 🥹 /
	IPNC121 02.1C.01.06 16384 6080 192.168.6.22 E0-3C-5B-00-13-56	
	IPNC121 02.1C.01.06 16384 6080 192.168.6.24 E0-3C-5B-00-12-42	
	TPMC122 02 1C 01 06 16384 6080 192 168 6 25 F0-3C-5R-00-13-ΔF	
	Add Cancel Search	
PTZ Control		-
Video Setting	l 2 🗳 🖸 4 🔍 🖉 🖉 🖉 2 🗳 2 🖉 4 🖉 2	l 😌 .
012-07-05 16:41:42 admin	Super User 2012-07-05 16:36:05: [admin] Delete Device, dev:[192.168.6.242]	



Click and drag the camera in the device list to the view screen.

#### P3.6

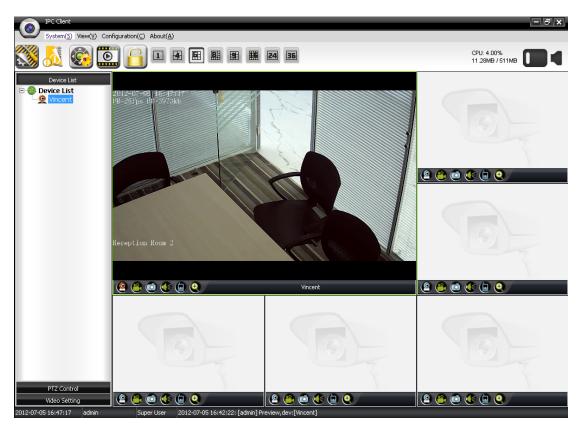
Icon	Description
(2)	Stop Live View
	Start/Stop Record
	Capture Picture
٠	Enable/Disable Audio
	Enable/Disable Talk
۲	Blow Up



Right click the view screen and there are several options for user to choose.

P	3	7	

Name	Description
Toolbar	Display or hide the toolbar described above
Full Screen	Enable/Disable full screen mode
Video Scale	Scale video according to different ratios
Play Pattern	Choose smooth or realtime priority
	Enable/Disable no tearing mode
No Tearing Mode	Note: It will put burden on your PC when no tearing mode is enabled to
	prevent video tearing.



P3.8

Name and Icon	Description
System	Log/User/Language Management
View	Toolbar/Device Control/Log/Media Player/Screen Division
Configuration	Local/Alarm/Record Task Setting
About	Client Software Version
	Hide Toolbar
No.	Display/Hide Log under View Screen
	Display/Hide Left Panel
	Run Media Player
	Lock
1 36	View Screen Split

## **3.3 Device list**

Add Device: User can add camera by inputting the camera parameters or "Search", as described in "Live View"

Add Group: User can add group to categorize the cameras, modify group name and make description.

Add Rolling Window: User can add rolling window to display video between cameras in turn. Make sure there are more than one camera in the device list, right click the rolling window and select "Property".

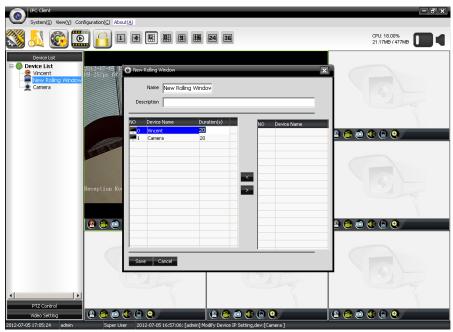


P3.9



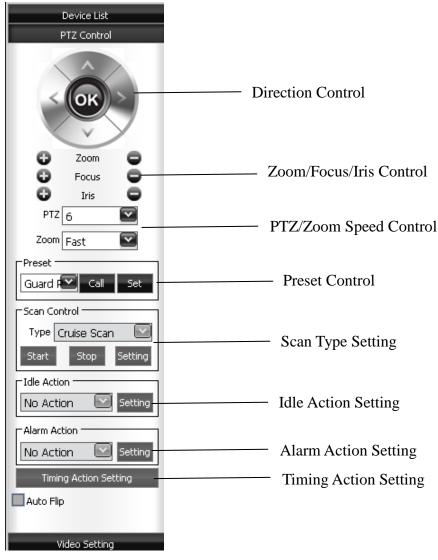
P3.10

After add and select camera, duration, user can start rolling window by dragging it to the view screen. Note: Select the camera in the right list first and add, then double click the default "20" to set display time for each camera.



P3.11

# **3.4 PTZ Control**





# 3.5 Video Setting

User can set video parameters including brightness, contrast, saturation, hue, gamma, sharpness, red, blue and volume, also control IR light, set white balance, BLC, WDR and so on.



P3.13

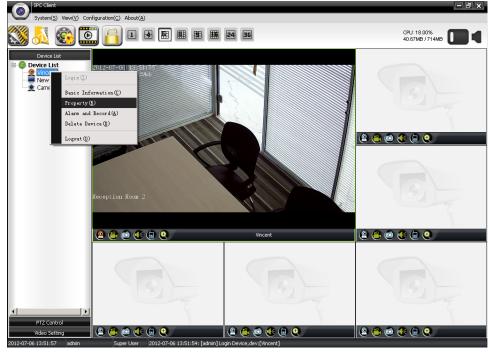
# **3.6 Property**

Right click the camera and select "Login" to login onto the device.



P3.14

After login, right click the camera again and select "Property".



P3.15

#### **System Setting**

User can set time by manual, sync to PC and sync to NTP. When choose "Sync to NTP", user needs to input NTP server & sync cycle, select time zone and enable daylight saving time if necessary.

IPC Client		- 8 ×
System(5) View(V) System(5) View(V)	X	
Constant Sector S	tting         Device Type  pccm         P/N         PAL         ✓         Rate  SDH₂         ✓           tting         Software         02.1C.01.06         Sorte         Sorte         Sorte	1.00% B / 708MB
Camera ← Camera ← UPNP ← F-Mail ← Record S ← Port Sett	Setting Sync To NTP Daylight Saving Time Setting Time Zone ((GMT+08:00) Beijing, Perth Western Australia, Kuala Lumpur, Taipei	
PTZ Sett	ing Ollamal OSma Ta P. Gurant Time Colto 07 06 10/00/10	
	Detection User Management	
	User Type User Name	
	New PWD Confirm	
	Save	
	Upgrade	- All
	Upgrade File	
	Upgrade	0
	Default Setting Reboot	
<u> • [ ]</u>		
PTZ Control	Save & Exit Save Refresh Cancel	0
Video Setting 📃 💽 💌 💟 2012-07-06 13:53:12 admin Supe	rr User 2012-07-06 13:51:54: [admin] Login Device, dev:[Vincent]	

P3.16

### Video Setting

OSD

User can set on screen display for the camera.

System(5) View(V Vincent	x	
Vincent	2012-07-00 (32-55-18) Fr-251pa (80-5951a)	8.00% B / 568MB
Camera	Reception Rom 2	e
	OSD Encoding Image Privacy Zone	
	y Text Setting	3
	Text Reception Room 2 Date Week Bit Rate	100
	Text Color White Date YYYY-MM-DD	<b>Q</b>
	Position 🛆 🗙 🕹 Position 🛆 🗙 🕹	
		4
<u> </u>		8
PTZ Control	Save & Exit Save Refresh Cancel	
Video Setting		
2012-07-06 13:53:45 admin Super User 2012	2-07-06 13:51:54: [admin] Login Device,dev:[Vincent]	

P3.17

#### Encoding

User can set encoding parameters for first stream and second stream.

System(S) View(V)	- a x
System Setting     Our cent     Our cen	Reception Rom 2
PTZ Control	OSD       Encoding       Image       Privacy Zone         First Stream       Encoding       Iz80*720       I Frame 75         Quality       Higher       Frame Rate 30       Rate Type       Variable Rate         Bit Rate       4096       Resolution       320*192       I Frame       Frame         Second Stream       Encoding       h264       Resolution       320*192       I Frame       50         Quality       Higher       Frame Rate 30       Rate Type       Constant Rate       60         Bit Rate       1024       Frame Rate 30       Rate Type       Constant Rate       60
Video Setting	
2012-07-06 13:55:05 admin Super User 201	2-07-06 13:51:54: [admin] Login Device,dev:[Vincent]

P3.18

#### Image

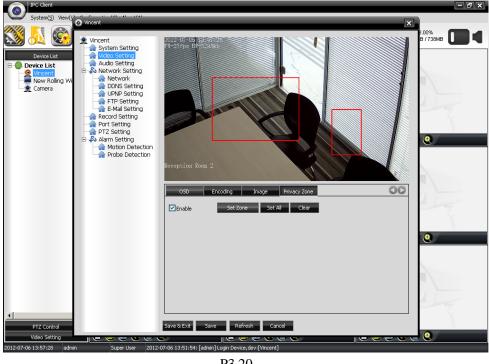
User can set image parameters, such as brightness, contrast, saturation and so on.

IPC Client			- <b>3</b> ×
System(5) View(Y	Vincent	ī	
Device List	Vincent System Setting Addo Setting Addo Setting Network Setting Whetwork Setting CDNS Setting CDNS Setting CDNS Setting Record Setting Port Setting Port Setting Mation Detection Probe Detection	Dig-or-og ka-so-to- P-25 pp B-3003k	X) B /744MB
		OSD Encoding Image Privacy Zone	
		Brightness (	A Los
		Contrast 🔍 📼	Q
		Saturation 4	
		Hue 4	<b>Q</b>
		Gamma	
		Sharpness • • •	
		Red (	
		Blue	
		Power Rate 50Hz Scene Auto	
		Mirror Flip Default	4
•			
PTZ Control		Save & Exit Save Refresh Cancel	
Video Setting			• •
2012-07-06 13:55:22 admin		-07-06 13:51:54: [admin] Login Device,dev:[Vincent]	

P3.19

#### Privacy Zone

User can block the areas they don't want to show on the screen. Select checkbox "Enable" and click "Set Zone", then user can click and drag the mouse to draw multiple privacy zones.



P3.20

#### **Audio Setting**

User can enable audio, set audio input, encoding, and sampling rate. When select "MIC-In", camera will receive audio signal through internal microphone. When select "Line-In", camera will receive audio signal through line-in connection.

System(5) View(V Street	x	
ysten(\$) Ven((* * * * * * * * * * * * * * * * * * *	✓ Enable Audio Audio Input Line-In Encoding G711A Sampling Rate K ★	8.00% B /734/HB
P12 Control Video Setting	Save & Exit Save Refresh Cancel	•
2012-07-06 13:58:08 admin Super User 2012-	07-06 13:51:54: [admin] Login Device,dev:[Vincent]	

P3.21

## **Network Setting**

#### Network

User can set some basic network parameters, including IP address, device port, web port and so on.

IPC Client System(S) View(V) Confi	O Vincent		×	- # ×
System(3) View(2) Confi System(3) View(2) Confi Device List New Rolling Window Camera	Vincent System Setting Audo Setting Network Setting DDNS Setting PDNS Setting FTP Setting PTT Setting Part Setting Setting Part Setting Notion Detection Probe Detection	Wired Netcard     Enable OHCP     IP 192 168 6 7 7     IP Mask 255 255 0     Gateway 192 168 6 1     MAC E0-3C58-00-13-58     Wireless Netcard     Enable OHCP     IP     IP Mask      Gateway	> Port Setting           Device Port         6080           Web Port         90           > PPPOE Setting           Enable PPPOE           IP         0         0           User Name           Password	
		MAC CNIS Setting Auto DNS Main DNS 202 , 96 , 128 , 166 Sub DNS 202 , 96 , 134 , 133 Platform IP Put D PutD	Online Time 0 Status Offline v Multicast Setting IP 234 . 240 . 240 . 240 Port 7080	T.
PTZ Control Video Setting 2012-07-06 14:36:28 admin	<mark>또 🙆 📾 🐠 🕢 (교 (오</mark> ) Super User 🛛 2012-07-06 13	Save & Exit Save Refresh Cance (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	2 C () ()	

P3.22

### **DDNS** Setting

User can enable DDNS and set parameters, input provider, user name, password, domain, sever port and select update cycle.

IPC Client			- a ×
System(5) View(V			
	Vincent		×
SS 🔬 S	👱 Vincent	Enable DDNS	2.00% B / 746MB
Device List	Video Setting	Provider dyndns	
Vincent New Rolling Wi	Network Setting	User Name	
Camera	- Contracting - Contracting - Contracting	Password	
	FTP Setting	Domain	
	- A Record Setting	Server Port 80	
	PTZ Setting	Update Cycle 2 Hour	0
	-fraction Motion Detection		
			•
۲ <b>.</b>			The second se
PTZ Control		Save & Exit Save Refresh Cancel	
Video Setting			
2012-07-06 14:01:58 admi	n Super User 2012	07-06 13:51:54: [admin] Login Device,dev:[Vincent]	

P3.23

#### UPNP Setting

User can enable UPNP and set parameters, including network card, use pattern, sever IP and so on.

System(S) View( <u>V) S (C) (C) (C)</u>	300 -	
System Structure System Structure Device List Device List Camera New Roling Wi Camera System Set Vincent Vincent System Set Audo Setti Duby Camera System Set Duby System Set Audo Setti Duby Camera System Set Audo Setti Duby System Set Audo Setti Duby System Set Audo Setti Duby System Set Duby System Set Duby System Set Duby System Set Duby System Set Duby System Set Port Settin Pro Settin Pro Settin Pro Settin Pro Set Pro Settin Pro Settin Pro Settin Pro Settin Pro Settin Pro Set Pro Settin Pro	Ing Enable UPNP 9 Network Card Wired Netcard 1 ting Use Pattern Fixed Pattern 1 ting Server IP 192 . 168 . 33 . 1 1 mg Device Port 5080 Status 1 mg Web Port 50 Status 1 g Update Cycle 2 Hour 1 etection	
PTZ Control Video Setting 2012-07-06 (14:50:35 admin Super L		

P3.24

## FTP Setting

User can set the FTP to upload alarm pictures.

IPC Client			- J X
System( <u>5</u> ) View( <u>y</u> )	Vincent		×
S 🕺 🚳	Vincent	Server IP	00% B / 668MB
Device List	Video Setting     Audio Setting     Audio Setting     Network Setting     ODIS Setting     ODIS Setting     ODIS Setting     ODIS Setting     Record Setting     Record Setting	Server Port 21 Remote Path // User Name anonymous Password *******	
	Port Setting		<u>e</u>
			e
PTZ Control		Save & Exit Save Refresh Cancel	
Video Setting			
2012-07-06 14:51:12 admir	Super User 2012	07-06 14:50:16: [admin] Modify Device IP Setting,dev:[Camera]	

P3.25

#### E-Mail Setting

User can set the email to receive alarm messages and pictures.

IPC Client			- <b>-</b> ×
System(5) View(y)	Vincent		×
Device List	Vincent System Setting Video Setting Nucloi Setting Network Setting DNS Setting	SMTP Server Sender Address SMTP User Name SMTP Password	00% B / 560MB
	A UPNP Setting     FTP Setting     FTP Setting     FNS Setting     Art Setting     Alarm Sett	SMTP Port 25 Receiver Addr 1 Receiver Addr 2 Receiver Addr 2	٩
	- Hooe Detection	□sa	
4			
PTZ Control Video Setting			
2012-07-06 14:51:45 admir	n Super User 2012-	-07-06 14:50:16: [admin] Modify Device IP Setting,dev:[Camera]	

P3.26

## **Record Setting**

User can check and format Micro SD Card, set auto record section and parameter. Click the checkbox after the weekday and input the record time. To set first or second stream, please refer to Video Setting>>Encoding.

IPC Client			- 8 ×
Device List	Vincent  Vincent  Vincent  Vincent  Vincent  Audio Setting  Nucleo Setting  Vucleo Setting  Vu	SD Card Infomation	
Camera	DDNS Setting     UNP Setting     UNP Setting     E-Mail Setting     Port Setting     Port Setting     PT2 Setting     PT2 Setting     Motion Detection	Format Refresh	<b>e</b>
	Contraction Probe Detection	Stream         First Stream         When Storage is full, cover old files automatically.           Auto Record Setting         Record Settion 1         Record Settion 2           Every day         00:00 m         ~23:59 m         00:00 m         ~23:59 m           Monday         00:00 m         ~23:59 m         00:00 m         ~23:59 m           Tuesday         00:00 m         ~23:59 m         00:00 m         ~23:59 m	
		Wednesday       00:00 ±       *23:59 ±       00:00 ±       *23:59 ±         Thursday       00:00 ±       *23:59 ±       00:00 ±       *23:59 ±         Friday       00:00 ±       *23:59 ±       00:00 ±       *23:59 ±         Saturday       00:00 ±       *23:59 ±       00:00 ±       *23:59 ±         Sudday       00:00 ±       *23:59 ±       00:00 ±       *23:59 ±         Sudday       00:00 ±       *23:59 ±       00:00 ±       *23:59 ±	<b>e</b>
PTZ Control Video Setting 2012-07-06 14:52:05 admin	Super User 2012-0	Save & Exit Save Refresh Cancel	

P3.27

# **Port Setting**

User can set parameters for RS485 and RS232 port. Note: These parameters must conform with the PTZ camera to control.

IPC Client			- ð x
System(S) View(X)	Vincent System Setting System Setting System Setting Network Setting Network Setting Network DDNS Setting Setting Setting Record Setting Setting PTZ Setting Network Setting PTZ Setting Network Setting PTZ Setting Network Seting Network Setting	Port Type R5485	
PTZ Control Video Setting 2012-07-06 14:52:46 admin	Super User 2012	Save & Exit Save Refresh Cancel	

P3.28

# **PTZ Setting**

User can set parameters for PTZ protocol and address.

Note: These parameters must conform with those of the PTZ camera to control.

System(S) View(Y	A Mincent		
System(S) View(Y) System(S) View(Y) System(S) View(Y) System(S) View(Y) System(S) View(Y) Vincenti Vincenti Camera	Vincent System Setting Video Setting Network Setting Network Setting DNS Setting DNS Setting CNP Setting FTP Setting Aradi Setting Aradi Setting Not Setting Network Setting Not Setting Not Setting Not Setting Noton Detection	PTZ Protocol PELCO-D PTZ Address 1	
	-		٩
PTZ Control     Wideo Setting		Save & Exit Save Refresh Cancel	
2012-07-06 14:53:12 admin		07-06 14:50:16: [admin] Modify Device IP Setting,dev:[Camera]	
dainii			

P3.29

#### **Alarm Setting**

Motion Detection

User can set detection zone, sensitivity level, alarm section, alarm signal output, triggered record & capture, send alarm message by mail and so on.

Select checkbox "Enable Motion Detection" and click "Set Zone", then user can click and drag the mouse to draw multiple detection zones. When there is movement in the zone, alarm will be triggered and relevant action activated.

System(5) View(2)	<u></u>		- 8 ×
Cerrice List	Vincent Vincent System Setting Video Setting Video Setting Network Setting Network Setting PNIS Setting FTP Setting FTP Setting Part Setting Port	Alam Section Perry day Section 1 Section 2 Section 2 Section 3 Section 4 Section 4 Section 4 Section 1 Section 1 Section 2 Section 2 Section 3 Section 4 Section	
		Enable Set Zone Set Al Clear Sensitivity High Send Alarm Message by Mail Output Alarm Signal Output  Stay 30 Seconds	
		Triggered Capture Capture Capture Capture Capture Record Record Record Record Second Second Second Second Capture Second	
PTZ Control Video Setting 2012-07-06 14:53:59 admir	Sucer User 2012	Save & Exit Save Refresh Cancel	

P3.30

#### Probe Detection

User can set detection zone, probe type, alarm section, alarm signal output, triggered record & capture, send alarm message by mail and so on.

Select checkbox "Enable Probe Detection" and click "Set Zone", then user can click and drag the mouse to draw multiple detection zones.

IPC Client			- 8 ×
System(5) View(y	Vincent		
Device List	Vincent Vincent Video Setting Video Setting Video Setting Network Setting VIDNS Setting VIDNS Setting VIDNS Setting E-Mail Setting PTZ Setting VIDNO Setting VI	Probe Number 1 Type Open Probe Enable Probe Detection  Alarm Section  Every day Section 1 Section 2 Section 2 Section 3 Section 4 Section 3 Section 4 Secti	00% 3 / 546MB
PTZ Control		Triggered Record Record Record 120 Seconds Save & Exit Save Refresh Cancel	e 
Video Setting			• •
2012-07-06 15:03:20 admin	Super User 2012	-07-06 14:50:16: [admin] Modify Device IP Setting,dev:[Camera]	

P3.31

# 3.7 Alarm and Record

User can set alarm for detection and delegate record task to camera in "Alarm and Record" section. Right Click the camera and select "Alarm and Record".



P3.32

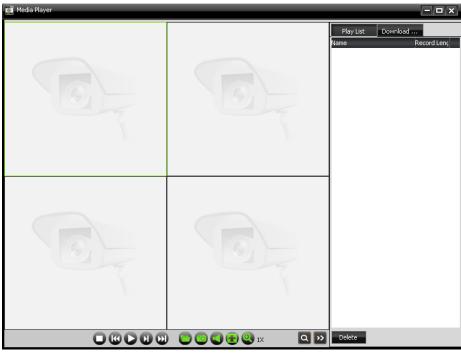
Select alarm for motion/probe detection and record task for camera. To create alarm and record task, please refer to Configuration>>Alarm Setting/Record Task Setting. To set motion/probe detection, please refer to Property>>Alarm Setting>>Motion Detection/Probe Detection



P3.33

# 3.8 Media Player

User can search and play recorded video file by our media player. Click or select View>>Media Player to run player.



P3.34

Click at the right bottom corner of the view screen to search recorded video.

🔯 Media Player		
	Record Search	× .
	Oevice List     New Rolling Window     Camera     Vincent	OLocal OBevice     Device Channel 1      Type ✓ Auto ✓ Manual ✓ Motion ✓ Probe     Start Time 2012-07-06 00:00 ▼ End Time 2012-07-06 23:59 ▼     Search
		Record Time Device Type
		Add to Play

P3.35

Select device and searching parameters then search, videos recorded will be listed. Choose the video and click "Add to Play".

User can also use the function buttons to stop, slow/fast forward, pause, next frame, open file and so on, as well as download video file stored in the Micro SD Card.

👿 Media Player					- <b>-</b> ×
	Record Search			×	<u>.</u>
	Device List     New Rolling Window     Camera     Vincent	●Local Device Vincent Type ♥Auto Start Time 2012-07 Search	Manual	Channel 1 💽 Motion Probe d Time 2012-07-06 23:59 💌	Record Leng
		Record Time	Device	Туре	
		2012-07-06	Vincent	Manual	
		<b>**</b> 16:12:21~16:12:32		Manual	
		Add to Play			
			🕙 1X 🛛	Celete	

P3.36

# 4. Device Searcher

A device searcher tool will also be installed along with the client software.

evice ID	Software	Туре	Port	IP	МАС	DNS	DHCP	IP Mask
•					· · · · · · · · · · · · · · · · · · ·			[

P4.1

After searching, double click the device to modify some basic parameters.

🥾 Search Dev	/ice			_							- <b>-</b> x
Device ID Sc	oftware T	уре	Port	IP	_	MAC	_	_	DNS	DHCP	IP Mask
IPNC 0	02.10.01.06	16384	6080	192.168.6.2	245	E0-30	I-58-00	-13-50			255.255.255.0
		16384	6080	192.168.6.2			C-58-00				255.255.255.0
		16384	6080	192.168.6.2			I-58-00				255.255.255.0
		16384	6080	192.168.6.1	.36	E0-30	C-58-00	-13-5F			255.255.255.0
IPNC 0	🔍 Network P	arameter Se	etting							×	55.255.255.0
IPNC 0											55.255.255.0 55.255.255.0
IPNC 0	Device ID	IPNC122	DQ100477			to DHC	5				55.255.255.0
IPNC 0		02.10.01	-		IP A	_		1/20		245	55.255.255.0
IPNC 0		,	Ub			1	192 .	168	. 6.	245	55.255.255.0
IPNC 0	Device Type	16384			IP M	ask 🛛	255 .	255	. 255 .	0	55.255.255.0
IPNC (	Port	6080			Gatev	vay 🗌	192	168	. 6 .	1	55.255.255.0
IPNC 0		· · · · · ·			_	· 1	172 ,	100		-	55.255.255.0
	MAC	MAC E0-3C-5B-00-13-50									
	User Name	admin			Main D	NS 🗌	202 .	96	. 128 .	166	
	PWD	admin			Sub D	NS	202 .	96	. 134 .	133	
						1					
	Save Cancel										_
•											Þ
Search											

# **5. FAQ**

- 1. Q: What's the default IP address? A: 192.168.1.253
- Q: Why is video not clear?
   A: Make sure your lens is properly adjusted. You can also increase the bit rate or frame rate.
- Q: How to login the device when using client interface?
   A: Right click the device and select "Login".
- 4. Q: How to set auto record?

A: For web interface, select Setting>>Device Config>>Auto Record, and video will be stored in Micro SD Card. For client interface, select Configuration>>Record Task Setting to set record task, then right click the device and select "Alarm and Record" to choose record task for the device, video will be stored through record path. To set record path, select Configuration>>Local Setting. After login the device, you can also select Property>>Record Setting to record video in Micro SD Card.

Note: If you want to record in Micro SD Card, you need to format if it is used for the first time.

- 5. Q: Why can't the device detect Micro SD Card?A: After insert the Micro SD Card, you need to reboot the device if it is working.
- 6. Q: How to set alarm?

A: For web interface, select Setting>>Device Config>>Alarm Setting. For client interface, select Configuration>>Alarm Setting to set alarm, right click the device and select "Alarm and Record" to delegate alarm to Motion Detection and Probe Detection, then login the device and select Property>>Alarm Setting>> Motion Detection/ Probe Detection

7. Q: Why is alarm not working after proper configuration when using client interface?

A: You need to login the device first.

8. Q: Why is motion detection not triggered when there is movement in the detection area?

A: 1. Make sure that motion detection is enabled; 2. Make sure that alarm section is set appropriately; 3. Increase the detection sensitivity.

9. Q: Why can't I receive audio signal from the device after enabling?

A: You need to set the appropriate audio input mode. For web interface, select Setting>> Device Config>>Audio Setting. For Client interface, after login the device, select Property>>Audio Setting. If you want to receive audio signal through built-in MIC, select "MIC-In" for "Audio Input"; If you want to receive audio signal through line-in connection, select "Line-In".

#### 10. Q: Why can't I control PTZ camera?

A: The PTZ parameters of the client and PTZ camera must conform with each other.

#### 11. Q: How to upgrade?

A: For web interface, select Setting>> Device Config>>System Setting>>Upgrade. For client interface, after login the device, select Property>>System Setting. Upgrade will take effect after reboot.