



CONCEPTRONIC

# User Manual

## 4 Channel CCTV Surveillance Kit C4CHCCTVKIT



V2.0

## Power

This DVR requires a DC12V adaptor; please check the power supply voltage before using the device.

If the device is not used for an extended period of time, please turn off the power and remove the plug from the power socket;

## Safety

This DVR is for indoor use only. To prevent short circuits or electrical danger, please do not position the DVR in areas where it may come into contact with rain, or areas which have high humidity.

In instances where liquid or other material is found inside the case of the DVR, please turn off the power immediately, and ask a qualified technician to check it before rebooting.

The DVR is a high-tech machine, and must only be serviced by a qualified technician or by returning it to the vendor.

## Installation

Please ensure the DVR is installed in a level position.

Ensure wiring and peripheral equipment is positioned safely.

Before using the DVR for the first time, please make sure that the hard disk drive (HDD) is correctly installed, to prevent opening the case once the machine is installed.

Select the performance of the hard disk drive (HDD) based on a rotating speed of 7200 per second.

Select an appropriate installation site, letting air flow inside the DVR, which will prevent the machine overheating.

Please do not install the DVR near a radiator, air vent or other heat source.

Direct sunlight, excessive dust and mechanical vibration can also reduce performance of the DVR.

# Chapter one: Product Introduction

## 1.1 Technical Parameter

Compression standard	H.264 baseline profile@L3.1
Video input	Composite 1.0Vp-p/75Ω,BNCx4
Video output	Composite 1.0Vp-p/75Ω,BNCx1, VGAx1
Resolution	Preview D1 704×576 (PAL), 720×480 (NTSC) CIF 352×288 (PAL), 320×240 (NTSC) Recording D1 704×576 (PAL), 720×480 (NTSC) CIF 352×288 (PAL), 320×240 (NTSC)
Frame rate	Preview/ recording 4ch 100fps(PAL), 120fps(NTSC)
Audio input	-8dB~22k,RCAx4
Audio output	-8dB~92dB,RCAx1
Audio decode	ADPCM
Alarm input	Input low level alarm, user setting normal open or normal close
Alarm output	Alarm output
Recording mode	Manual recording, timing recording , motion detection recording and external alarm recording
Simplex/duplex/ triplex	triplex(recording, playback , LAN transmission)
LAN	RJ45(10M/100M self-adapting)
PTZ control	Yes
Communication	RS485x1, USB2.0x2
USB	USB mouse control
Hard disk drive	1x SATA (Max 2TB)
Remote control unit	Yes
Power supply	DC12V

# Chapter Two Hardware

## 2.1 H.264 standalone 4 CH DVR

4 CH DVR Autonomo H.264

For the first use, please install the hard disk



① Remove the screws on both sides of shell



② extracted from the next cover up



③ connect hard disk and mother board



④ re- fix screws to hard disk



⑤ close cover



⑥ install the screws on both sides of shell


## 2.1.2 Rear panel

### 2.1.2.1 The front panel of DVR



### 2.1.2.2 The rear panel of DVR



Item	Interface	Descripción
1	VIDEO IN	4ch video input
2	AUDIO IN	4ch audio input
3	V-OUT	1ch video output
4	A-OUT	1ch audio output
5	VGA	VGA monitor
6	NETWORK	RJ45
7	USB	USB for back up and mouse control
8	ON/OFF	Power supply switcher
9	DC-12V	Power adaptor port
10		RS-485: A, B

### 2.1.3 Alarm input port

The GND alarm detector connects to COM port under parallel connection (the power of alarm detector supplied by external power supply)

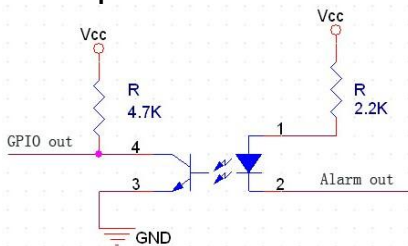
The ground terminal of alarm detector joins up in parallel with DVR

The NC of alarm detector connects with the input end (alarm) of DVR;

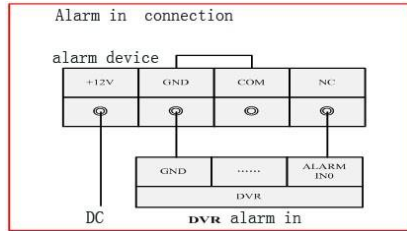
When you want to reset a remote alarm (smoke detector for example), the +12V power supply of alarm detector is supplied by the DVR.

When you select the external power supply, please share the GND with DVR;

#### Alarm input circuit:

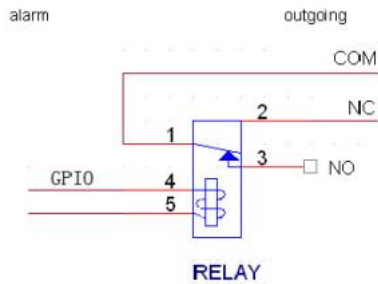


## Alarm inlet connection:



### 2.1.4 Alarm output port

4-way switching value alarm output, selectable in normally open contact, also selectable in normally closed contact. An external alarm device should need Vcc;



# Chapter Three: Operation

## 3. 1 Operational instructions

### 3.1.1 Remote control AND Front panel keypad





**Table:**

S/N	Keypad Name	Operating instruction	S/N	Keypad Name	Operating instruction
1	<b>【POWER】</b>	Power ON/OFF	8	<b>【 ENTER 】 【OK】</b>	This button is used as “enter” and “ok” key in most circumstances
2	<b>【MENU】</b>	Access main menu			
3	<b>【ESC】</b>	Exit operation or enter upper menu Close soft keyboard Close current window Exit from current control Return to last menu Exit from PTZ control under preview state	9	<b>【PTZ】</b>	Access/exit from PTZ control under preview state
4	<b>【 ◀◀ 】</b>	Slow playback, 1/2x, 1/4x, 1/8x and single frame play	10	<b>【 +/- 】</b>	Volume or number increase/reduction Select item of the list
5	<b>【 ▶▶ 】</b>	Fast playback, 2x,4x and 8x playback	11	<b>【 ZOOM IN/OUT 】</b>	Lens control
			12	<b>【0-9 10+】</b>	Digital input Corresponding; Channel is magnified in full screen under preview state
			13	<b>【FN】</b>	Short cut
6	<b>【 ■ 】</b>	Playback stop	14	<b>【田】</b>	Switching of 1/4/8/9/16/24/32Preview mode
	<b>【▶/  】</b>	Play / Pause	15	<b>【ALARM】</b>	Alarm reset
	<b>【 ▲.▼. 】</b>	Four-way to move the focal point in main menu, up and down to move in the normal			

	】	window, to control pan driver to move in the PTZ control windows			
	【REC】	To mode of recording	16	【CLEAR】	Clear alarm
7	【SEARCH】	Search for playback time choosing			

### 3.1.2 How to use mouse of DVR (for right hand mouse)

1	Left key single click	To go to any function menu icon click the mouse left key in the menu
		To run the control, point out operation
		Change again select frame or motion detection piece mode
		Click the assembly frame pop-up to pull down the list
<p>In the input frame, the user can select digit, character, lowercase, or block letter. A left mouse click on the keyboard activates character input, with, ← for backspace, _ for blank, and Shift to switch case.</p>		
		
2	Right click mouse	
		<p>Through this menu, switch between preview screen, window mode, start replays, and PTZ control. Four pictures playback mode, the point of the right mouse button, Can in a single picture, four pictures, eight pictures (8 road playback), 16 screen (16 road playback), broadcast control switch view show or hide broadcast control bar.</p>
3	Double click left button	To run the ActiveX Control for ActiveX special operations, double click the recorded item as it is listed on file, then the system will playback the segment



		record video.
4	Dragging the mouse	Pressing the left mouse key, drag the mouse to select a Motion detection area, then press the right mouse key and drag to cancel the selected area.
		Dragging playback Progress Bar back and forth to dolly moves, to achieve the playback position adjustment. Dragging the audio and video regulation parameter bar dolly moves, to achieve the parameter adjustment.

### 3.2 Powering On

#### Boot-strap

If 【POWER】 pilot lamp is off, please follow these operations step by step:

First step: if the power is not plugged in, please plug in the power, then the DVR should start. If the DVR remains inactive, move on to the next step.

Second step: turn on the power supply of the DVR at the back panel, and the DVR should start.

If 【POWER】 pilot lamp is RED, press the 【POWER】 key, DVR should start.

The video output mode of the DVR defaults to multi picture channel mode after starting the DVR. If at the time of starting the DVR the video output mode is in the Timing Recording setting, the DVR will automatically start the Timer Recording function, and the corresponding channel's recording pilot lamp will be lit up. The DVR will function as normal.

Button	Description	Button	Description
	Main Menu		PTZ control
	Wizard language		Alarm control
	Multi channel		Display setup
	Recording Control		



If before starting, the system not to install hard disk, into the system, will tip: system didn't detect any hard disk connection!

**Note:**

In this dialog you can select language and quickly set various parameters.



### 3.3 Shutdown

◆ **There are two safety modes for Shutdown**

Enter **【Exit】** ,select **【Power Off】** .



◆ **Abnormal shutdown**

**Through the rear panel to shutdown**

When the DVR is running, please try to avoid turning the power off through the rear panel power switch (specially while the DVR is recording).

**Pulling up the power cable**

While the DVR is running, please avoid pulling up the power cable as much as possible.

(specially while the DVR recording).

Caution: In some areas power supply may be irregular, which will cause the DVR to work abnormally, possibly causing damage to the unit. In this situation, please choose a stabilized voltage supply.

### 3.4 Multi Channel







1/4/8/9/16 preview screen mode switch

### 3.5 Preview

After logging into the operating system of the DVR, system will automatically enter the preview mode.

In the preview picture, you will see the overprint date, time, and channel name. If the date and time is not shown correctly on the picture, reset the date. There is also an alarm input mode icon. (Refer to attached table for icon descriptions)

#### Channel picture attention

1		Channel is video when channel video pictures show this symbol	2		Channel occurs when dynamic test, channel video pictures show this symbol
3		Channel happen when channel video cover alarm pictures showed this symbol	4		Channel open sound, the channel video pictures showed this symbol

### 3.6 Recording operation

Customer can select the different kinds of recording mode in this system. For each different kind of recording mode you set, the channel will show the corresponding symbol.

#### Manual recording

**Note: Manual recording operational requirement the user should have “recording” permission.**

Please make sure the hard disk drive has been installed and it has been formatted.

##### 1) Input manual recording operation menu

Single click right key of mouse => recording control can move into manual recording operation menu.

Under preview mode, press REC key or on the Remote controller unit key into recording control operation menu, as follows:



**2) The explanation of manual recording operation menu**

- 【manual recording】 Priority level highest, no matter what the current status of every channel. After pressing Manual Record, corresponding channel will be recorded common;
- 【Auto recording】 Set channel recording by setting Timing, Motion detection and Alarm in Recording Setting;
- 【Stop Recording】 All video channel stop recording;

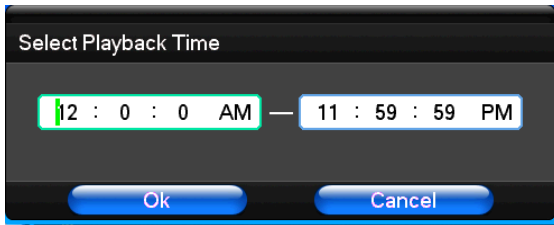
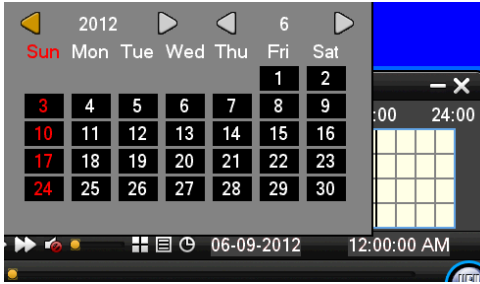
**3.7 Playback video**



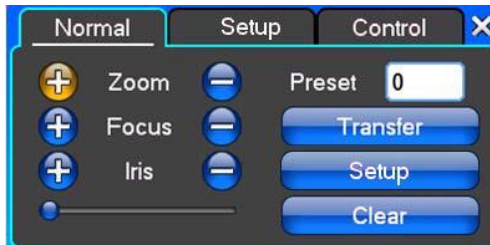
Button	Description	Button	Description
	Synchronous/asynchronous play		Voice adjustment
	frame by frame		1/4/8/9/16/24/32 screen( switch image)
	Speed slow		Hide / display list
	Speed normal		recording date
	Speed fast		Play/pause/stop
	Sound off/on		rewind

**Note:**

- 1) During playback the Playback Tool will show the file playback speed, channel, timing, playback speed etc. information in the Playback control panel;
- 2) fast forward operation function can't be selected in two channels simultaneously.
- 3) Can drag the Playback Speed toolbar by mouse;
- 4) In this dialog you can select the video time precisely to the second.



**3.8 How to control PTZ**



**【Zoom】** Moves the lens to focus on objects further away, also use the mouse wheel to undertake variable times control.

**【Focus】** Slight adjusting of the focal length

**【Iris】** Aperture size adjustment

**【Speed】** Through the slider adjust rotation step interval, PTZ mainly used to control directional operation, the step length of turning the faster PTZ.

**【Preset】** Adjust the camera angle, then direction and the corresponding input and click on [ set] button, preset dots to set the dots in the preset resell.

Input presets dots and click on [Transfer] button, the camera will be transferred to the preset point corresponding position. Click [remove] button, and these presets will be cleared



【Set】Click 【Start Tour】 【 add Preset 】 and 【 delete Preset point 】 , 【Clear Tour】 .

【Start Tour】 begin to track record, from specified date 【 end Tour】, thus set up from the corresponding track circuit.

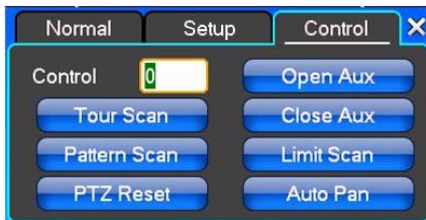
【Left Limit】 Begin to limit scanning Settings, was registered date 【 right Limit 】 , thus set up corresponding limit scanning.

【Add Preset】 Add presets point to the cruise lines.

【Delete Preset】 Cruise lines from deleting preset points.

【Clear Tour】 Remove the cruise line designated.

**Note:** some equipment doesn't fully support all function, depending on the specific PTZ equipment and different.



【Control】 PTZ Control

【Tour Scan】 Point between cruise control.

【Pattern Scan】 Track patrol control.

【PTZ Reset】 Remove all Settings, original reset to the original state.

【Limit Scan】 PTZ boundary scan control around.

【Auto Pan】 Remove the cruise line designated

**Note:** some equipment doesn't fully support all functions, depending on the specific PTZ equipment and different.

### 3.9 Alarm control



【Set Alarm】 Selection needs to be made in protection channel, click to confirm the corresponding channel once protection status is chosen

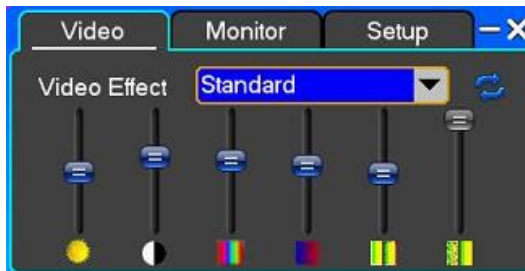
【Clear Alarm】 Remove protection condition, not alarm input to react

【Alarm Output】 Open the alarm output. In the premise of no trigger alarm input, user can operate the output. For example, some alarm switch is connected with a lamp; lamp is open when alarm is triggered

【All】 Can choose all the channels

### 3.10 Display Adjust

#### (1) Video

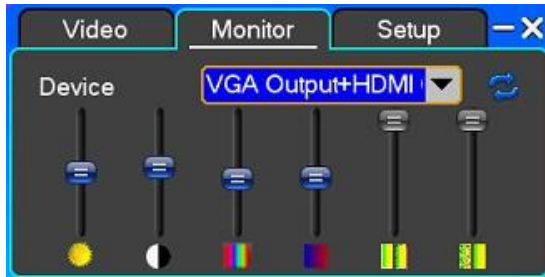


【Video Effect】 Optional: standard, sharp, custom etc

【Default】 Restoring default effect, for custom video effects, copy standard effect parameters. Through the slider, adjust brightness, contrast and saturation, tonal, etc.

#### (2) Monitor





**【Device】** Optional: VGA output, TV output etc display output device.

**【Default】** Restoring default display parameters.

The sliders adjust brightness, contrast, tone, etc.

# Chapter Four Menu Operation Guide

## 4.1 Recording Setup

### (1) Recording Setup



【Channel】 Choose the need to install passage "whole" says setting all channels.

【Image Size】 CIF/HALF D1/D1 (only in whole function model)

【Encoding Mode】 Including fixed bitrate, dynamic bitrate.

【Image Quality】 Client-side image quality, the higher the quality the clearer. Choice scope: minimum, low, general, high, highest

【Frame Rate】 Can click on the button manually input, 1 ~ 25 frames per second (PAL) or 1 ~ 30 frames per second (NTSC) continuous adjustable. 【Audio】 Can select close, open according to requirements

【Pre-Alarm Rec】 Can select close, open according to requirements

### (2) Channel Overlay



【Channel】 Choose the need to install passage "whole" says setting all channels.

【Channel Name】 Allows manual input of each channel's name

【Channel Display】 Can choose according to the requirements of user; the top-left corner, left, lower, middle and downward, upper, right, and lower.

【Time Display】 Can choose according to the requirements of user; the top-left corner, left, lower, middle and downward, upper, right, and lower.

### (3)Recording Schedule



【Channel】 Choose to install passage as "whole" when setting all channels.

Each longitudinal row represents seven days a week, with the 24 hours in each day controlled by left key clicking the mouse on the small square, setting time to clean it , with a right-click to drag video time.

## 4.2 Camera

When the system starts the camera will detect the format of video

### (1) PTZ Setup



【Channel】 Choose regional channels, PTZ Settings "whole" means setting all channels

【PTZ Protocol】 PTZ equipment communication protocol

It contains these options: Pelco D、Pelco P、LILIN、MINKING、STAR、VIDO、NEON、DSCP、HY、N-control、RM110、SAMSUNG, the default option is Pelco D.

★Note: PTZ parameter Settings every channel need after completion in Settings of gc1318 alone.

【PTZ Address】 PTZ equipment address, digital range 0 to 255.

★Note: here with the address must be consistent with the ball machine address; we can't control the ball machine.

【Bit-rate】 PTZ equipment baud rate.

## (2)Video Setup



【Video Mode】 Provide PAL and NTSC both formats video formats choice, modify after you must restart your system can take effect.

【Channel】 Choose to set the video Settings area passage "whole" says setting all channels

【Reserved Section】 Click Settings enter. The white areas for privacy area

【Buzzer Alarm】 Happen when video lost choice whether or not to allow buzzer warning

【Alarm Output】 Happen when video lost upcoming linkage selected channel corresponding alarm output

### (3)Motion Detection



【Channel】 Choose need to set up mobile testing area passage "whole" says setting all channels

【Sensitivity Setting】 Can be set to give: minimum, low, general, high, highest

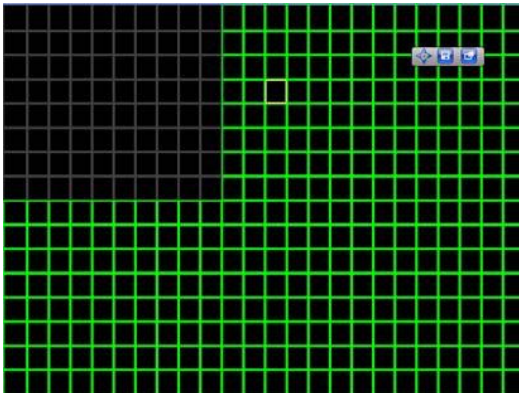
【Detection Area】 Click Settings enter.

Green area for dynamic test, grey areas design. The brick pattern represents an undefended area. Press the mouse left key to drag on the lower detection area to the right, press the mouse button to clear. Detection area drag The save and exit button can save Settings, some give up and quit button abandon modification.

【Buzzer Alarm】 Occurs when there is a dynamic test on the buzzer, deciding whether to allow the alarm

【Trigger Recording】 That will happen when dynamic test on the linkage of selected channel fast ball trigger video

【Alarm Output】 In this passage setting user can be copied to the other channels, fulfill the same dynamic detection alarm Settings



## 4.3 Network Setup

### (1)General Setup



**【DHCP】**After checking automatic assignment, the device will get IP address, subnet mask, default gateway, the DNS server, etc

**【UPnP】** Can choose according to the user requirements

**【IP Address】** Network logic address can be set according to the requirements

**【Subnet Mask】** Server subnet mask

**【Default Gateway】** Server gateway

**【DNS Server】** DNS server addresses

**【Server Port】** Data port, initial socket for 7777

**【HTTP Port】** the default port for 80. If change, when using IE browser, need to monitor the IP address, adding new socket. If use IP address to 82, from the original browsing <http://192.168.0.19>, change for <http://192.168.0.19:82>.

**【Handset Port】** Network phones socket, initial socket for eight thousand eight hundred and eighty eight

### (2)Dial-UP Setup



**Tip:** PPPoE dial-up successful, according to 【 PPPoE IP 】 shown on IP address, users can remote access hard disk video recorder by IP access.

The DVR support model:

Unicom: Huawei E173,ZTE MF100

Telecom:huawei EC150.huawei EC156.ZTE MF583

“3G DIAL” have two modes with automatic and manual dialing, the operation follows as below.

#### 1. Automatic Dialing

Select the Automatic Dialing mode in the interface of the following picture, fill the right information according to the operator where the 3G card belongs to and the 3G referred guide, It includes IPS names, AP, dial-telephone, ID and password, the interface shows as the other following picture (some IPS once be chosen, the other relative information has been already done, so you needn't fill any more, click “SAVE” directly). Then click “Save” directly. After having detected the 3G signal when DVR start, the system will dial up automatically.

#### 2. Manual Dialing

In the interface of following picture, users would fill the right information in the menu bar as same as Automatic dialing and click “SAVE”. Then click “Dial-up” after saving successfully (The referred information would be saved still after the DVR restart, but you should click “Dial-up” again).

In these two modes, if the dial-up want success, first you should make sure that the 3G card is available. Since the 3G signal has been existed, the related menu bar will show the correct IP address; if failed, system will popup a window to show the incorrect information.



### (3)DDNS Setup



【 DDNS Service 】 Dynamic DNS provider website, Via DDNS server, it compatible with SODDNS,ANYVISION,PANSIM, DYNDNS.ORG.if you select soddns, you can customize your favorite domain name.

it shows as following picture.



【DDNS Domain】 Dynamic domain name, soft keyboard and hard keyboard can be input.

【DDNS Account】 Login domain name service provider website user name

【DDNS Password】 Login domain name service provider website password

**Tip:** through the dynamic DNS server. Support dynamic DNS.

#### (4)Email





【SSL Protocol】 Sending E-mail in use safety network connection

【Test Email】 Send an email to the recipient mailbox test

【Email Address】 The recipient's email address. Users can input two different email address.

【Send Email】 The sender email address .

【SMTP Server】 Send mailbox mail server

【Email Account】 The sender email address the corresponding account

【Email Password】 The sender email address of the corresponding email password

According to the customer request can be checked 【input alarm 】 and 【 Video loss 】 sending emails. Two can also choose.

**Note:** your sender email must support SMTP.

## (5)Access Control



【List Rule】 According to the requirement to choose: don't use, allow access, refused to visit.

【Starting IP】 Display IP address started section

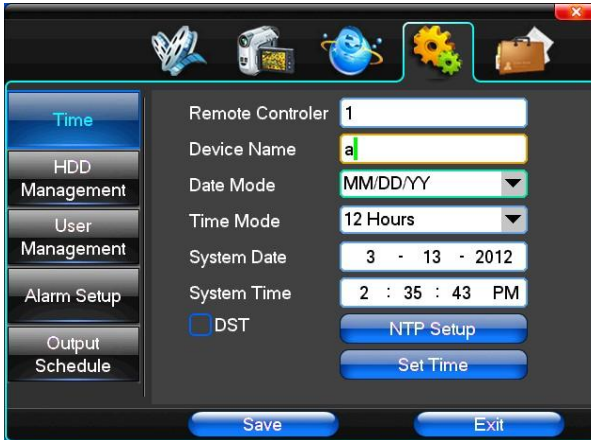
【Ending IP】 Display IP address end segments

【Add】 On the basis of the need for added

【Delete】 According to the need to delete

## 4.4 System Setup

### (1)Time



【Remote Controller】 Used in a remote device control more hard disk video recorder occasions, only in remote controls address and hard disk video recorder Numbers identical to remote operation.

【Device Number】 According to the requirement to select the time zones, has twenty six time zone for user Settings.

【Time Zone】 Select the format the date is displayed in including date, sun and moon June 21 years in three formats.

【Date Mode】 To choose time display modes include 24-hour system and 12 hours to make

【System Date】 The current system date

【System Time】 The current system time

【Daylight-saving mode】 According to the requirement to choose

【Set Time】 Confirm modification system of time

## (2)HDD Management



【Disk Full】 When video disk full, the system will demonstrate how to deal with it. System will automatically record over the earliest video files to continue covering video. " stop video " tells the system to stop the current video.

【File Time】 automatic generation video files interval, the set range 5-120 minutes.

【Recording Bit-rate】 the total rate of current coding

【Recording Time】 the storage devices systems installed in accordance with the current bitrate can store video of time.

Display the current hard disk attributes: types, hard disk, usable capacity total capacity. Click [formatting ], all storage file will be lost.

**Tip:** to format the hard disk, please stop all current videos in the system.

### (3)User Management



【User】 Characters in length up to 8 bytes, ignore trailing Spaces. Can be letters, Numbers, and other symbols. The user has the largest number of eight, user name may not be repeated.

【User Rights】 According to the requirements set of functions need checked

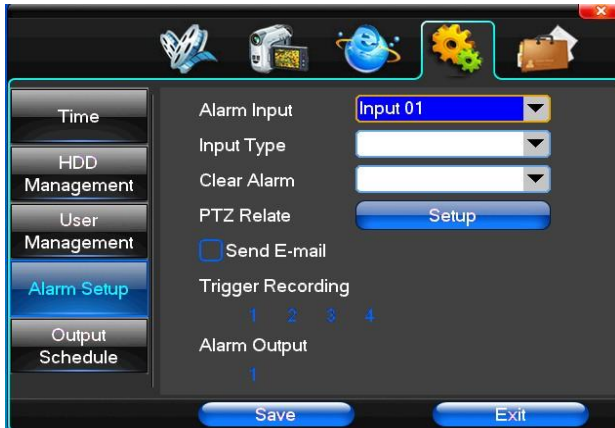
【Add User】Input need to add user, and input the account password and passwords. According to save button to add user.

【Delete User】 Select the users need to delete, and click on the "yes" button to remove users

【Edit User】Choose need to modify user, and in user permissions bar needed under the function of check. According to the save button modified users.

【Edit Password】 Select the account, input to modify current user password, and enter the account password and confirmation password new. According to the save button for password changing. The password can be set to 0 ~ 8 bits

### (4)Alarm Setup



【Alarm Input】 Choose corresponding alarm channel, "all" setups all channel said.

【Input Type】 Alarm input to often open/closed type choice (voltage output style)

【Clear Alarm】 Stop the current alarm video and alarm output, but not removal, can again trigger alarm.

【PTZ Relate】 When will the linkage happened alarm PTZ control

【Trigger Recording】 When will trigger happened alarm selected channel video.

【Alarm Output】 When will the linkage happened alarm corresponding alarm output

## (5)Output Management



【Buzzer Output】 In the chosen time intervals have alarm input will start buzzer output.

【Send Email】 In the chosen time intervals have alarm input which will send relevant information, such as the alarm events, paparazzi pictures, equipment name, device ID, etc sent to user specifies the mailbox.

【Alarm Output】 In the chosen time intervals have alarm input will start alarm output

## 4.5 System Management

### (1)System Upgrade



Show the system hardware versions, software version, release dates. Click [software upgrade ] , the system began to automatically detect and upgrade file.

**Note:** equipment currently support upgrades: local USB mode, IE mode, the client software.

**USB mode:** former ensure USB device to connect upgrade normal, as upgrade program has copy USB devices in the root directory. According to the interface can upgrade operation hints.

Upgrade was successful, and the screen appears to restart operating hints. Equipment reboot after system that will enable the new software.

### (2)Log Search



【Date Search】 Can search according to date

【Log Type】 Optional: all, operation log, set diaries, alarm log, error log

**Note:** according to the left, right arrow can move forward and content.

### (3)Default

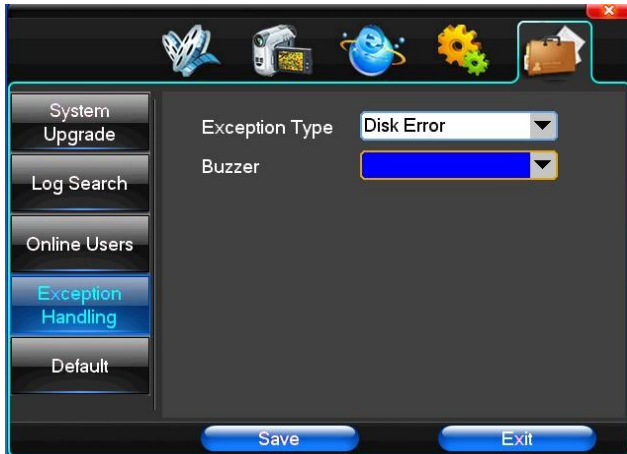


Restoring default can restore selected according to need. The system restores to the default configuration state.

Users can choose to restore the corresponding Settings from the menu options.

**Tip:** menu color, language, time date format, video format, IP address, the user account, etc will not be restored.

### (4)Exception Handling



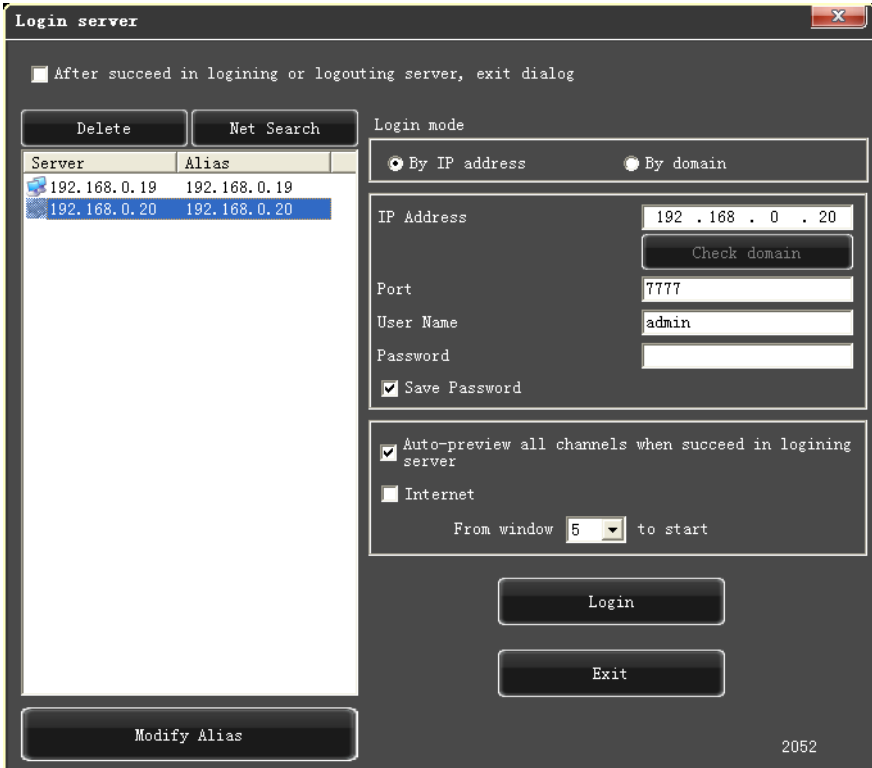
【Exception Type】 Choose abnormalities: hard disk full, hard disk errors, network connection.

【Buzzer】 When abnormality, choose whether to allow the buzzer hints.

# Chapter Five IE Preview

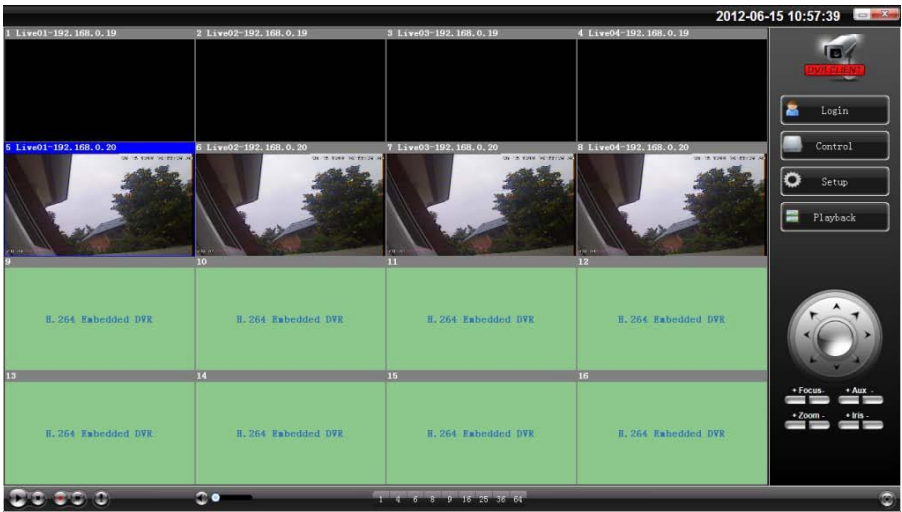
## 5.1 logging on interface

To input the IP address




Pretermision IP address is 192.168.0.20






## 5.2 System Settings

Point  , As per the picture , You can set up a language directory to save your settings.

## Setting

PTZ Setting	Alarm Setting	Video detect	Video loss	User Info	Output Setup	Auto Window Preview
<b>Local setting</b>	Network setting	Common setting	Encoding setting	Sub-Encoding setting	Record Setting	

Common setting

GUI Language	English	Version	1, 1, 0, 10
Video Window Logo	...		
Video window color		<input checked="" type="checkbox"/> Enable stretch	

Record Setting

Directory	D:\NetDvrV3\Rec ...		
Reserve Disk Space	100	M ( >= 100 )	
Auto-divided duration	30	min ( 5~120 )	
	<input checked="" type="checkbox"/> Auto overwrite when disk is full		

Capture Setting

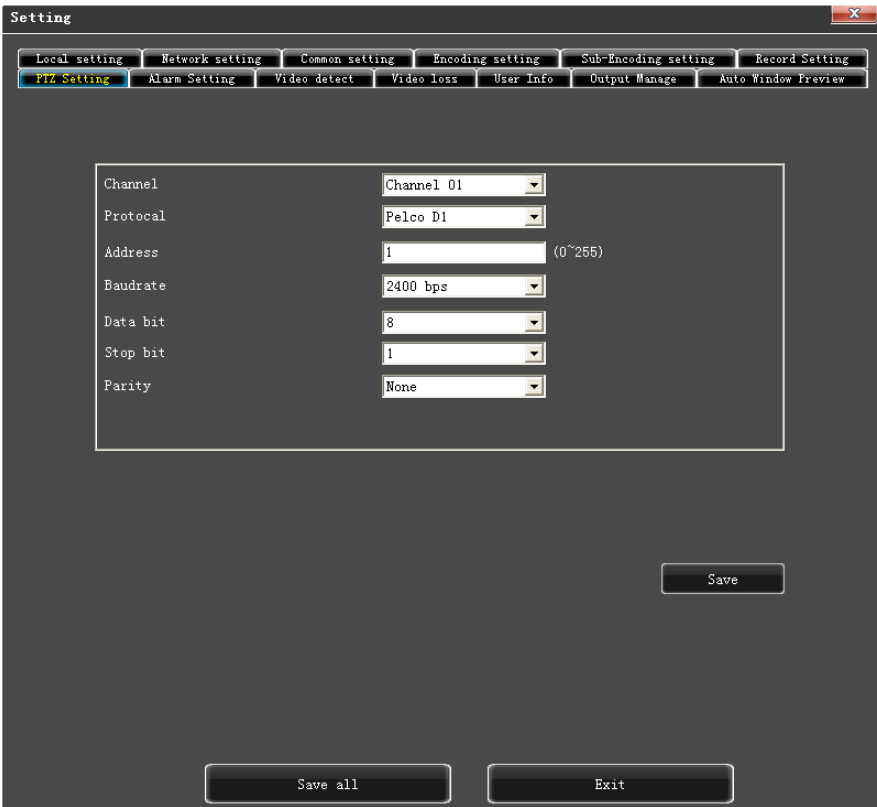
Directory	D:\NetDvrV3\Ing ...		
Reserve Disk Space	100	M ( >= 100 )	

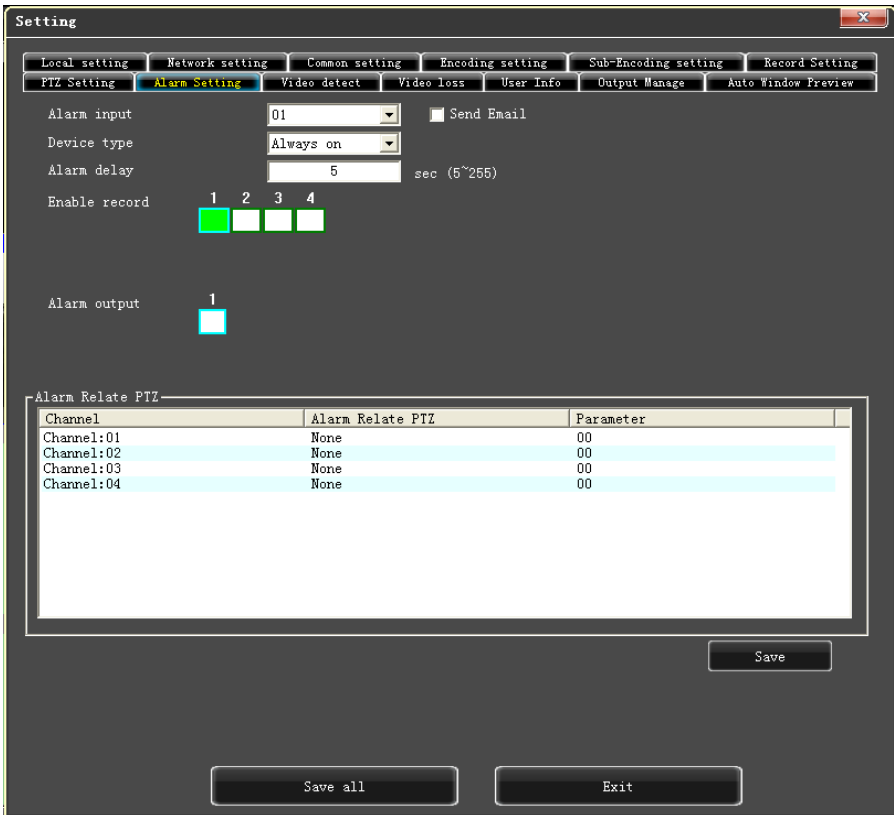
Downloading Setting

Directory	D:\NetDvrV3\Download ...		
Reserve Disk Space	100	M ( >= 100 )	

Channel Switch

Switch timer	5	sec ( 1~255 )	
<input type="checkbox"/> Full display when channel alarm		<input type="checkbox"/> Full display when channel in motion	





### 5.3 State control

In state control you can set reboot server, close server, remote to go up


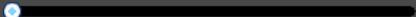
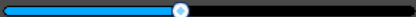
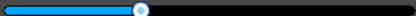
Remote upgrade: let PC file load in the system

Log: to inquire sometime the server's action

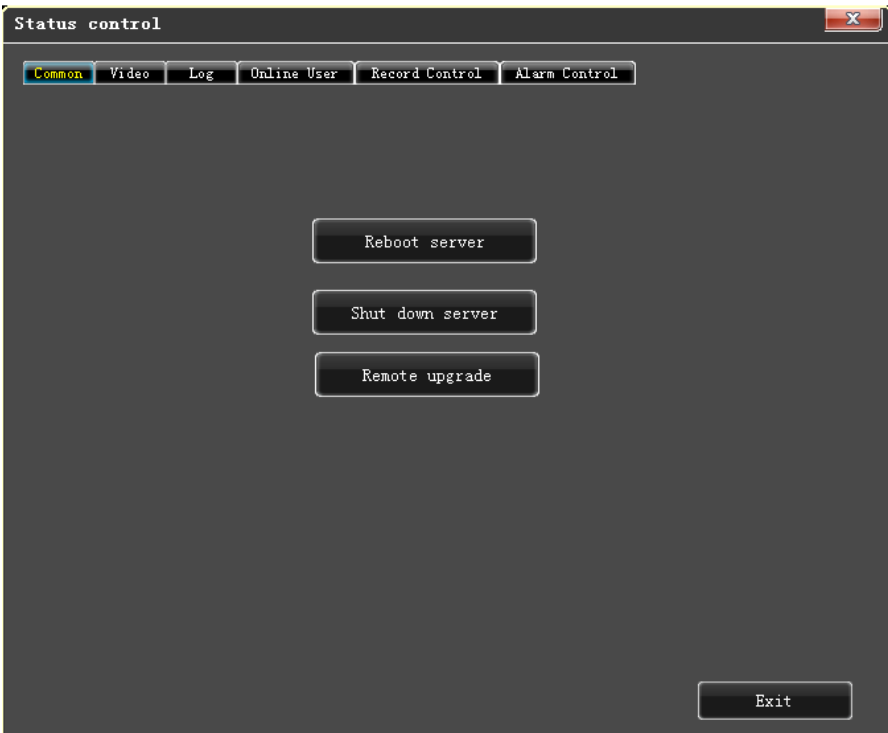
Status control

Common **Video** Log Online User Record Control Alarm Control

Channel 01

Brightness		50
Chroma		0
Contrast		43
Saturation		33

Exit



**Status control** ✕

Common Video **Log** Online User Record Control Alarm Control

Start time: 2012-6-15 0:00:00 Log type: All log

End time: 2012-6-15 23:59:59 Search

Command	Oprrating	Time	Info
Abnormal s...	Start	2012-06-15 10:06:49	
System pow...	Start	2012-06-15 10:06:49	
User login	Start	2012-06-15 10:28:49	admin
Net setting	Write	2012-06-15 10:29:43	
User login	Start	2012-06-15 10:31:21	admin
User logout	Start	2012-06-15 10:31:55	admin
User login	Start	2012-06-15 10:35:49	admin
Net setting	Write	2012-06-15 10:37:24	
User login	Start	2012-06-15 10:37:42	admin
System reboot	Start	2012-06-15 10:38:11	admin
System pow...	Start	2012-06-15 10:38:47	
User login	Start	2012-06-15 10:40:32	admin
User logout	Start	2012-06-15 10:40:53	admin
User login	Start	2012-06-15 10:40:57	admin
User login	Start	2012-06-15 10:41:06	admin
Net setting	Write	2012-06-15 10:41:10	
User login	Start	2012-06-15 10:41:16	admin
User logout	Start	2012-06-15 10:42:09	admin
User logout	Start	2012-06-15 10:43:54	admin
User login	Start	2012-06-15 10:44:07	admin
Net setting	Write	2012-06-15 10:44:22	

Download

Exit

# Chapter Six Instruction for mobile monitor

## 6.1 Asee

This module has mainly instructions on the installation and usage for Android, Blackberry, iPhone mobile phones.

1) The acquisition of client software:

The client software can be obtained from the CD material supplied, then choose English and select the options supporting tools. Finally, choose the mobile phone monitoring or obtain it from technical support. Each type of corresponding client software as follows.

1. Asee.apk: The smart phone monitoring client of Android operating system
2. ASee.cod & ASee.alx: The smart phone monitoring client of BlackBerry operating system
3. ASee.sisx: The smart phone monitoring client of Symbian operating system

Notes:

The mobile phone client of apple mobile phone system (iOS) can be directly searched for ASee+ in the app store and installed online.

The mobile phone client of Android system can be directly searched for ASee+ in the Android market and installed online.

2) The main functions of the program which is straight even version of current mobile phone monitoring are shown as follows:

1. Browsing real-time video function. In addition to BlackBerry, it can support four pictures at the same time.
2. PTZ control function (the controlling ball interface is in front).

3) The instructions of three platforms is shown as follows.

1. Android
2. Blackberry
3. iPhone
4. Symbian

### 6.1.1 Instructions of Android

6.1.1.1 Essential condition

- 1) Supports version 1.5 or above of Android system.



### 6.1.1.2 Installation and operation instructions

#### 1) Installation

Support two installation modes and the user can choose one way for installation.


##### 1. Install online

Search ASee+ on Google market and install online. As the below image shows:



##### 2. Install offline









Copy the Asee.apk installation package to Android phone through cable. In the specified directory find out the corresponding .apk, click the application installation (If there is not installed apk installer in the mobile phone, the user needs to download an apk installation software so that it can identify the apk package), and the program icons will appear after the installation is finished. Refer to the above image.




3) Click the program icon  on the first screen after running as is shown in the below image.




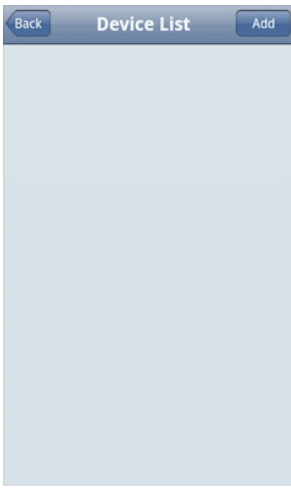
The functions of buttons show as follows:


Table 1-1

Function keys	Definition	Function specification
	Play	When the program connects with device, play video
	Capture	Capture the current screen(the default save path: the default pictures directory of mobile)
	Settings	Set some information of the device, such as IP address, dynamic domain name, port, username, password and device alias information.
	About	Some device information of the software
	Previous group	It can show the previous channels group.
	Next group	It can show the next channels group.
	Select channel	Choose one video channel of the device. And cooperate with "next group" can switch the 8 or 16 channels.
	PTZ control	PTZ direction control including up, down, left and right.

	Zoom	Zoom in/out control of PTZ.
	Focal length	Focal length adjustment of PTZ.
	Aperture	Aperture control of PTZ.

4) If it is first running or need to change the parameters, please click the <settings> button  and enter the <Device List> page, as shown in the below image.



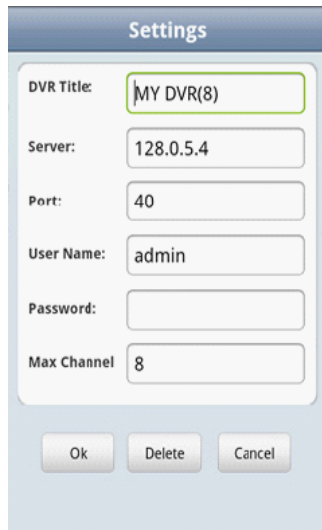
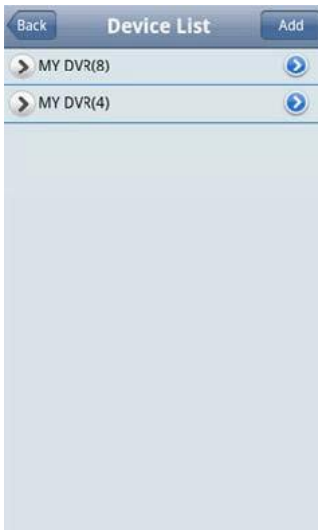
In <device list>interface, click <Add> button  and enter <settings> interface, as shown in the above image

Notes:




- <DVR Title>: It is convenient to identify among multiple devices.
- <Server>: The public IP address, dynamic domain name or LAN IP of DVR (The port should be mapping before using public IP and mobile phones need to open wifi before using LAN IP).
- <Port>: The mobile port set in DVR (default parameter is 8888) .
- <User Name>: The username permitted to login the DVR (default username is 'admin') .

- <Password>: The password of the user (default password is empty).
- <Max Channel>: The actual channel numbers of DVR.

5) After finishing, click <OK> and enter the **Device List** Device List page. As shown in the below image



Notes:

-  <Back>: Back to the screen of previous image.
-  <Channel List>: It shows the corresponding DVR and the default channel list, the user can arbitrarily choose a channel to preview an image.
-  <Information Edit>: Click this button and enter the "Settings" interface, you can edit or delete the device information, as shown in the above image.


6) Complete settings, choose channel to preview, and the preview function include two modes: common mode and full screen mode.

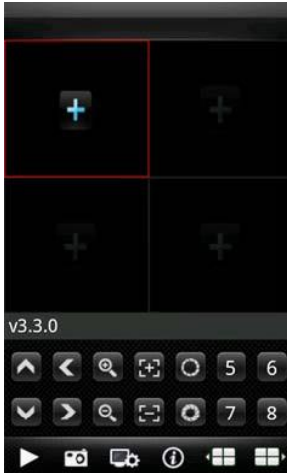
1. Common mode is shown in the below image



2. Full screen mode occurs when mobile phone is laid down horizontally, whereby it will automatically switch to full screen mode, as shown in the above image.

### 7) Channel switch function

Select some channels in the Device List interface; the program will automatically switch to the Preview Interface and open the corresponding channel preview in Preview Interface. Program displays the default 1 ~ 4 channels, if the user clicks the channel button  of Next Group in the Preview Interface, the channels group will switch to 5 ~ 8, 8 ~ 12, 12~16 and circulation switch. As shown in the below image



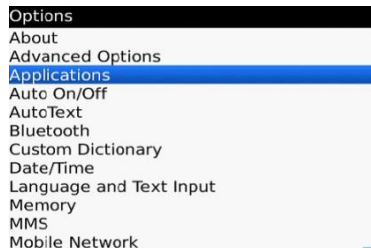
## 6.1.2 Instructions of Blackberry

### 6.1.2.1 Essential condition


- 1) Supports version 4.6 or above of Blackberry system, and mobile phone screen resolution is 480\*360 and 480\*320. Supports 8900, 9000, 9700, 9630, 9900 of Blackberry.

### 6.1.2.2 installation

- 1) Install ASee. cod and ASee. jdp installation package into Blackberry handset through the desktop manager, as shown in the below image.




- 2) Click the options on mobile phone desktop and enter the interface of the above image.
- 3) <Asee> permission settings

- a. Click <application program> to find out  <Asee>:
- b. Click the icon of <Asee> and enter the permission settings.
- c. Click <edit permissions>, set all permissions <permit>.

Note: Some permissions cannot be set <permit> (the gray options mean cannot change this option), and click "save".

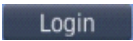
4) Enter the initial interface

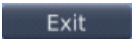
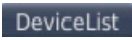
Click the program icon  <Asee>, after running procedure there will be a welcome page, then enter the initial interface, as shown in the below image.



Notes:

- <Title>: It is convenient to distinguish between multiple devices.
- <Address>: The public IP address, dynamic domain name or LAN IP of DVR (The port should be mapping before using public IP and mobile phones need to open wifi before using LAN IP).
- <Port>: The mobile port set in DVR (default parameter is 8888) .
- <Channel total>: The actual channel number of DVR.
- <User ID>: The username Owens view permissions of mobile phone (default username is admin) .
- <Password>: The mobile phone port of DVR (default password is empty).
- <Network type>: Choose the network type that you need.
- The corresponding functions of buttons show as follows:









Function keys	Definition	Function specification
	login	Enter the playing interface, and the program will connect with device and begin to play video

	exit	Exit the program
	Device list	Enter the device list interface.









5) Click <login>, play the main interface, as shown in the below image.



The corresponding functions of buttons in <Main interface> show as follows:

Function keys	Definition	Function specification
	Play	When the program connects with device, play video
	Full screen	Play full screen.
	Capture	Capture the current image (the default save path: the default pictures directory of mobile)
	About	Some device information of the software.
	Next group	It can select the next channels group (1-4、4-8、8-16) or PTZ control.
	Select channel	Choose one video channel of the broadcasting device and select any one of 8 channels.
	Up control of PTZ	The up direction control of PTZ.
	Down control of PTZ	The down direction control of PTZ.



	Left control of PTZ	The left direction control of PTZ
	Right control of PTZ	The right direction control of PTZ
	Zoom in	The zoom in control of PTZ.
	Zoom out	The zoom out control of PTZ.
	Focal length +	Amplify the focal length of PTZ.
	Focal length -	Lessen the focal length of PTZ.
	Aperture +	Amplify the aperture of PTZ.
	Aperture -	Lessen the aperture of PTZ.

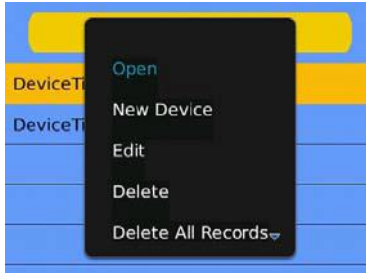
6) Exit the application program

Click the button <Exit> and exit the program, as the below image shows.



7) Edit the <Device List> interface

1. Click the <Device List> and enter <Device List> interface, as shown in the above image.
2. Click the <menu> button and enter the <device edit> interface, as the below image shows.



The corresponding functions of buttons in < device edit> interface show as follows:

Menu definition	Function specification
Set to real-time preview	When the program connects with device, play video.
New Device	Create a new record.
Edit	Edit record.
Delete	Delete the selected record.
Delete All Records	Delete all records.
Shutdown	Shut down the program.

## 6.1.3 Instructions for iPhone

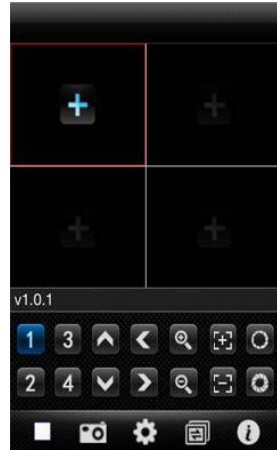
### 6.1.3.1 Essential condition

1) Supports version iOS 3.0 or above, and mobile phones includes iPhone, iPod, touch etc.

### 6.1.3.2 Installation and operation instructions








1) Run the App Store program for iPhone




Switch to the search tag page, and input Asee + in the search box to find the application installation package, then click <install> .After finishing installation, there will be Asee + program icon on the mobile phone desktop, as shown in the below image.




2) Click the program icon Asee+ and the initial interface after running procedure is shown in the above image.

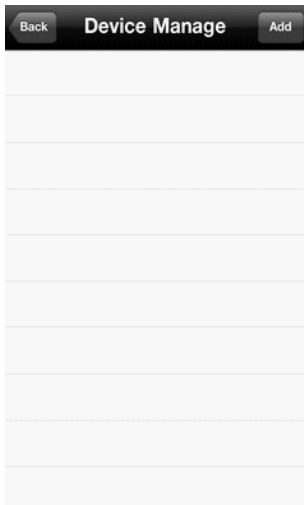
The corresponding functions of buttons show as follows:

Function keys	Definition	Function specification
	Stop playing	When the program disconnects with device, stop playing the video.
	Capture	Capture the current image (the default save path: the default pictures directory of mobile).
	Settings	Set some information of the device, such as IP address, dynamic domain name, port, username, password and device alias information.
	Channels group switch	It can switch to next channels group.
	About	Some device information of the software.
	Select channel	Choose one channel video of the broadcasting equipment. And cooperate with "next group " can achieve the switch of 8ch and 16ch.
	PTZ control	PTZ direction control including up, down, left and right.

	Zoom	Zoom in/out control of PTZ.
	Focal length	Focal length adjustment of PTZ.
	Aperture	Aperture control of PTZ.

3) Initial usage of need to change the parameter

1. Please click the settings button  and enter the device manage interface, as shown in the below image.



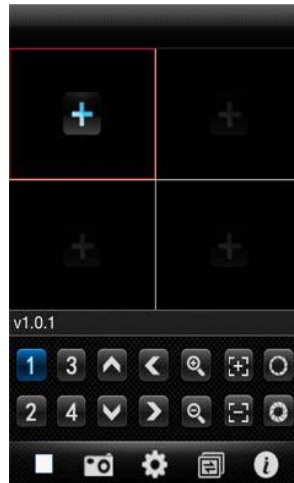
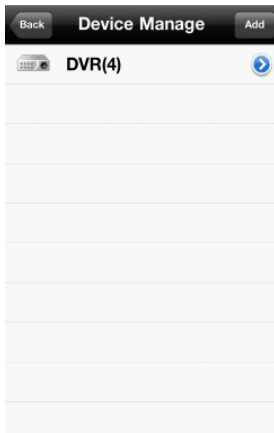
2. Then select Add button and enter device add interface, as shown in the above image.


Notes:


- <Device Name>: It is convenient to distinguish between multiple devices.
- <Address>: The public IP address, dynamic domain name or LAN IP of DVR (The port should be mapped before using public IP and mobile phones need to open wifi before using LAN IP).

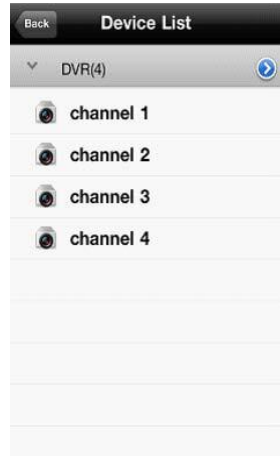
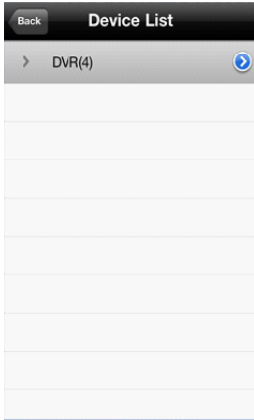
- <Port>: The mobile phone port set in DVR (default parameter is 8888) .
- <User ID>: The username permitted to login the DVR (default username is 'admin') .
- <Password>: The password of the user (default password is empty).
- <Max Channel>: The actual channel number of DVR.


3. After finishing, click <OK>, enter <Device Manage> interface. As shown in the below image.



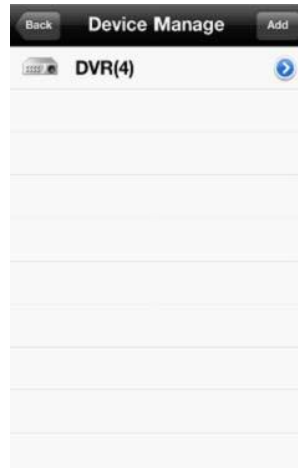
4. In the <Device Manage> page, click the <back> button, enter the <add channel> interface, then click the <+> button , as shown in the above image.


5. Click the <+> button , and switch automatically to <Device List>, as shown in the below image.




6. Click the button  to view all channel numbers, as shown in the above image.

7. Double click any channel, then switch to the <channel preview> interface to preview channels, it can support four channels previewing at the same time, as shown in the below image.



8. Click the <settings> button  enter the <Device Manage> interface, as shown in the above image. The user can edit, modify and delete device information by clicking the corresponding icon or slipping the item.

(1) Click the <edit> button  enter <parameter modifying> interface, as shown in the below image.

Device Name:

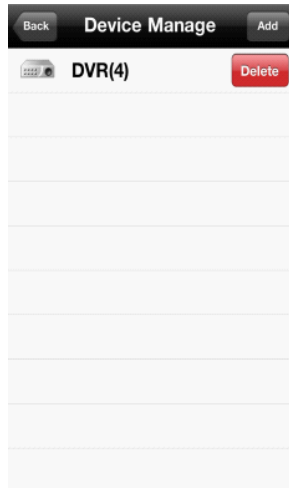
Address:


Port:

User ID:

Password:

Max Channel:



(2) Slide rightly the <edit> button  to delete the information. As shown in the above image.

#### 4) Video display mode

There are two modes: common mode and full screen mode

Switch: when the mobile phone is laid down horizontally it will automatically display full screen.



common mode



full screen mode

#### 5) Channel switch function

Select some channels in the Device list interface, the program will automatically switch to the Preview Interface and open the corresponding channel preview in Preview Interface. Program displays the default 1 ~ 4 channels, when



the channel is selected <Channel switch> button in the <preview interface>, the channels group will switch to 5 ~ 8, 8 ~ 12, 12~16 and circulation switch. As shown in the below image.



## 6.1.4 Instructions of Symbian

### 6.1.4.1 Essential condition

1) Support version OS S60 or above of Symbian system.

### 6.1.4.2 Installation and operation instructions

#### Installation

Supports two installation modes and the user can choose which suits them best.

#### 1. Install online

Search ASee on Google market and install online.

#### 2. Install offline

Copy the Asee.sisx installation package to Symbian phone through cable. In the specified directory find out the corresponding .sisx, click the application installation (If apk installer is not already installed in the mobile phone, the user needs to download an apk installation software so that it can identify the sisx package), and the program icons will appear. As the following figure shows.



2) Click the program icon <Asee>, the first screen after running is shown in the following figure


















click PTZ show as the following figure

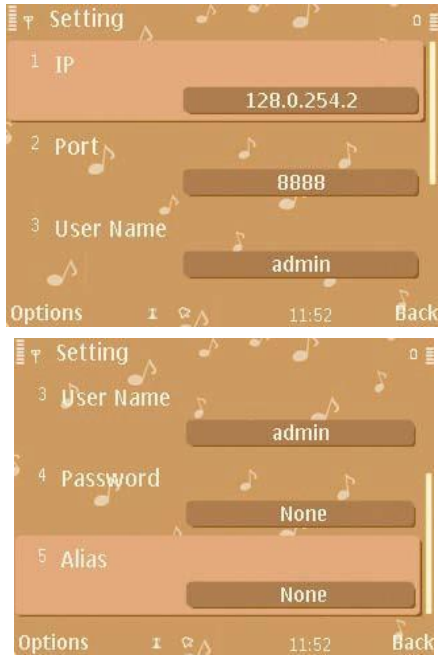


The functions of buttons show as follows:

Function keys	Definition	Function specification
	Play/pause	When the program connects with device, play video
	capture	Capture the current screen(the default save path: the default pictures directory of mobile)

	settings	Set some information of the device, such as IP address, dynamic domain name, port, username, password and device alias information.
	Full screen	For this channel full screen.
	pervious/next	Pervious to the former channel, next to the latter channel
	exit	quit current software
	Select channel	Choose one video channel of the device. And cooperate with "next group" can switch the 8 or 16 channels.
	Ptz	PTZ
	PTZ control	PTZ direction control including up, down, left and right.
	zoom	Zoom in/out control of PTZ.
	Focal length	Focal length adjustment of PTZ.
	Aperture	Aperture control of PTZ.

3) If it is first running or need to change the parameters, please click the <settings> button  and enter the <Device List> page, as shown in the following figure:



**Notes:**

- 1)<server address>: The public IP address, dynamic domain name or LAN IP of DVR (The port should be mapped before using public IP and mobile phones need to open wifi before using LAN IP).
- 2)<port>: The mobile phone port set in DVR ( default parameter is 8888) .
- 3)<user ID>: The username permitted to login the DVR ( default username is 'admin' ) .
- 4)<password>: The password of the user (default password is empty).
- 5)<alias>: the record's name

After entering the above information, identify and select play.



# Chapter Seven Instructions of iMac

## 7.1 Essential condition

1) Supports version OS X 10.6.3 or above of the iMac system.

## 7.2 Installation and operation instructions

One method:

To unzip the Asee.app in windows XP OS, copy it to the iMAC machine. And then you will find the icon.

The other method:

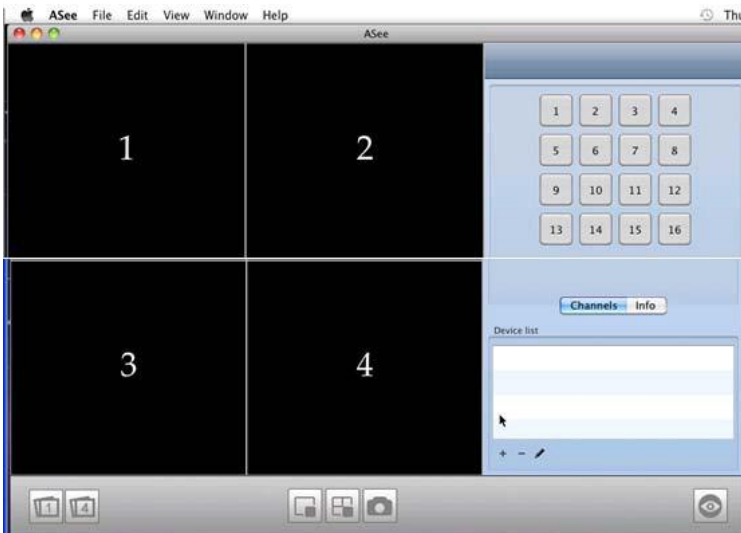
Download from App Store, Search for Asee ,find the corresponding program installation package (Asee.apk installation package), install online. After finishing installation, as the following figure shows:



### 7.2.1 operation instructions

After installing, click Asee icon to work.










Log on the main menu interface, as the following figure shows



main menu interface

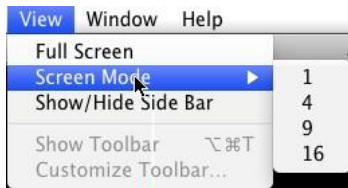
After loading, enter default main menu interface, buttons instruction as show below:

Buttons instruction

Button icon	corresponding definition	function introduction
	single picture	Single picture shows video channel
	4 pictures	4pictures show video channels
	disconnect	disconnect single picture of connection
	disconnect	disconnect all pictures of connection
	Capture	Capture the current image (the default save path: the default pictures directory of mobile).
	full screen	Picture full-screen
	add	add device
	delete	Delete device
	modify	Modify device

Switch pictures on Imac platform. click view->screen mode on the top of the screen to switch pictures from 1/4/9/16.


as the following figure shows:

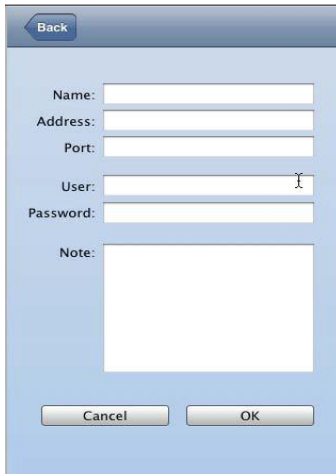


Picture switch

When the user first logs in, the preview interface is empty. You will need to set parameters and add devices.

After adding a device, you can preview, change configuration, modify or delete equipment information etc.

click "add ", pop-up a message box as shown in the following figure:



The image shows a software dialog box titled "add device". It features a "Back" button in the top-left corner. The main area contains five input fields, each with a label to its left: "Name:", "Address:", "Port:", "User:", and "Password:". Below these fields is a larger, empty text area labeled "Note:". At the bottom of the dialog are two buttons: "Cancel" on the left and "OK" on the right.

add device

The current message box shows the need to enter five pieces of information: device name、IP address、port、user ID and password.

Device name: the name of monitor device, to help you distinguish between multiple devices

IP address: The public IP address or dynamic domain name of DVR(here the address must be internet address)

port: The mobile phone port set in DVR, default parameter is 8888

User name: default username, usually 'admin', can be set according to the DVR .

Password: :admin user's default password is empty, can be set according to the DVR.


add device

after inputting above information, click "ok". Enter main menu interface, click a picture, after which will appear a green frame (as shown window 1 in picture below). Click a channel on right channel column (such as channel 1



























1), connect play, as shown in the following figure



Connection play interface

If there is an error with device information above, click  to modify or click , add the device again. Note: Asee on MAC platform can only add one device, and there is no PTZ control function.

## Chapter Eight FAQ (Frequently Asked Questions)

-  01: Why the DVR did not run after connecting the power supply?
-  ①Please check whether the power switch is turned on or off at the rear panel of DVR.
  -  ②Once turned on, please check if the DVR operation is correct or not?
  -  ③Have you selected an adaptor +12V, 5A or above? (8ch 5A, 16ch 220V 200W)
-  02: Still stop over on the boot-strap frame?
-  Physical damaged in hard disk drive
  -  Boot manager abnormal.
-  03: Why does it take a long time to boot up?
-  ①There are too much data in hard disk drive, which may be close to capacity. The system will automatically search the data when the system boots up, causing the boot-up to run slow.
  -  ②A hard disk drive error will cause the system to search the data repeatedly, causing the boot-up to run slow.
-  04: Why does the system reboot repeatedly?
-  ①Check the hard disk drive, make sure it is not FAT32 formatted, or some other problem with the HDD causing the DVR to reboot;
  -  ②Please check the power supply of the DVR, if you installed a lot of hard disk drive, it may be rebooting repeatedly under power;
  -  ③Please pull up the network cable, then check if the DVR is working normally or not. A failure in the network will cause the DVR to reboot repeatedly;
-  05: Why does the system stop the DVR during playback and search the video file information in progress?
-  Please check if you have installed the hard disk drive or if the drive is ok or not? Please replace if there appears to be a problem;
  -  Is the ambient temperature on the high side or not?
  -  Is there any heavy current installation in the vicinity, heavy current surging video cable, causing the DVR to not work properly and stopping the system?
-  06: Firmware upgrades failure?
-  U drive may not be compatible with the DVR, causing the DVR to be unable to detect it. Suggest to try one or two more different kind of U drives on the market;
  -  USB interface is not good;
  -  The voltage hunting fearfulness during the system firmware upgrade in progress;
-  07: Why is the display color black and white in TV and VGA monitor?
-  Check the video system - is it matching the video input, DVR, TV or VGA monitor? Please set the video system mode to automatic recognition;
-  08: Why does nothing display on the TV or VGA monitor?
-  ①please make sure if the power supply of TV or VGA monitor is turned on; is the brightness set to the lowest status?



② Is the video connected with TV or VGA monitor properly? Check if there is any video signal input? And make sure the line faulty or not?

09: Why does the video appear with wavy lines and images distorted?

① If there is short circuit, open circuit or insufficient solder and connection failure of video cable?

② If the video cable is obstructed by high voltage interference, please separate the video and high voltage in linkup cabling, and we suggest the use of better quality, shield video cable for the project;

③ In the whole system, only select the central point to grounding, please do not use multi port for grounding, which will cause the common mode obstruction. Please connect the screw in DVR rear panel to grounding;

④ Check if there is a problem in the camera or TV monitor and cable?

10: Why do the color of live video and record video data distortion?

① Make sure the input and output video parameter of main menu is set correctly;

② Make sure the connection is correct;

11: Why does the video skew became deformed, color cast?

① Make sure the VGA cable and DVR is connected with grounding properly;

② Is the DVR working atmosphere temperature high, or no good in radiating, cause the VGA chipset working exceptional, or the mention circuit parameter is abnormal;

12: Why does the recorded video playback appear in mosaic under local DVR?

① The recording parameter setting is too low, causing the recorded video quality to be reduced, sometime appearing as a mosaic;

② The record video file locates where there is a bad sector in a hard disk drive, which will cause the mosaic effect.

# Notification of Compliance

Appendix A

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## Europe - EU Declaration of Conformity



For complete DoC please visit

<http://www.conceptronic.net/download.php>

## GPL License Agreement

GPL may be included in this product, to view the GPL license agreement goes to

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