

# CMS Operation Manual

## 1. Overview

This software can be directly connected to the DVR through the Internet without the support of intermediate server. It is user-friendly and can be connected rapidly.

Main functions:

- 1) Support connection to 100 DVRs at most and 64 channels video simultaneously;
- 2) Support visit of any video channel of different DVRs and screen dragging and random combination;
- 3) Support remote recording playback and backup;
- 4) Support off-line playing and smooth playing of backup video;
- 5) Support remote parameters configuration;
- 6) Support remote control of PTZ;
- 7) Support local capture and recording;
- 8) Support screen lock.

## 2. Software Installation

Installation requirements:

- 1) At least Intel Pentium 4 or AMD Athlon 3000+ processor;
- 2) Multimedia: above DirectX 9.0;
- 3) Recommended internal memory: above 1 GB.

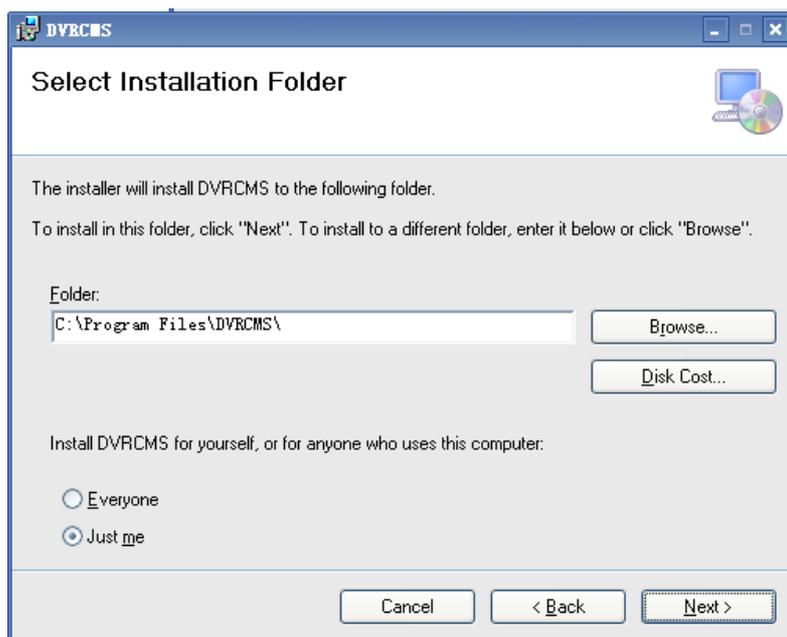
Installation Procedures:

- 1) Double click and run the file "DVRCMS.msi" from the CD, as shown in the following picture:



Note: If this software has already been installed, please uninstall the earlier version before installation.

2) Select "Next >",

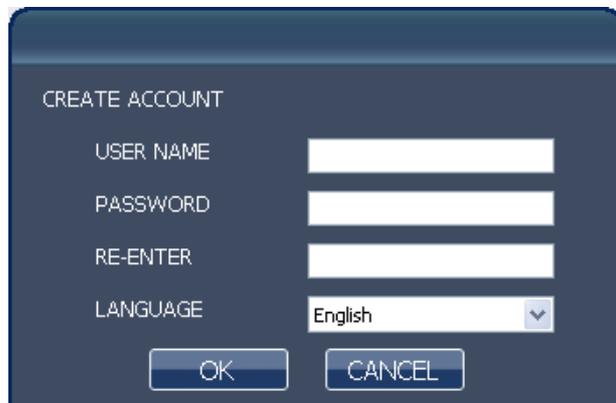


2) Select the installation position and press "Next >", and then start to install, and finally click "close" to finish the installation.

### 3. Operation

#### 1) Start the software

Double click the desktop icon , or start from the start menu directly.



CREATE ACCOUNT

USER NAME

PASSWORD

RE-ENTER

LANGUAGE

OK CANCEL

#### 2) Creat account

**【USER NAME】** create the initial user name

**【PASSWORD】** create initial password;

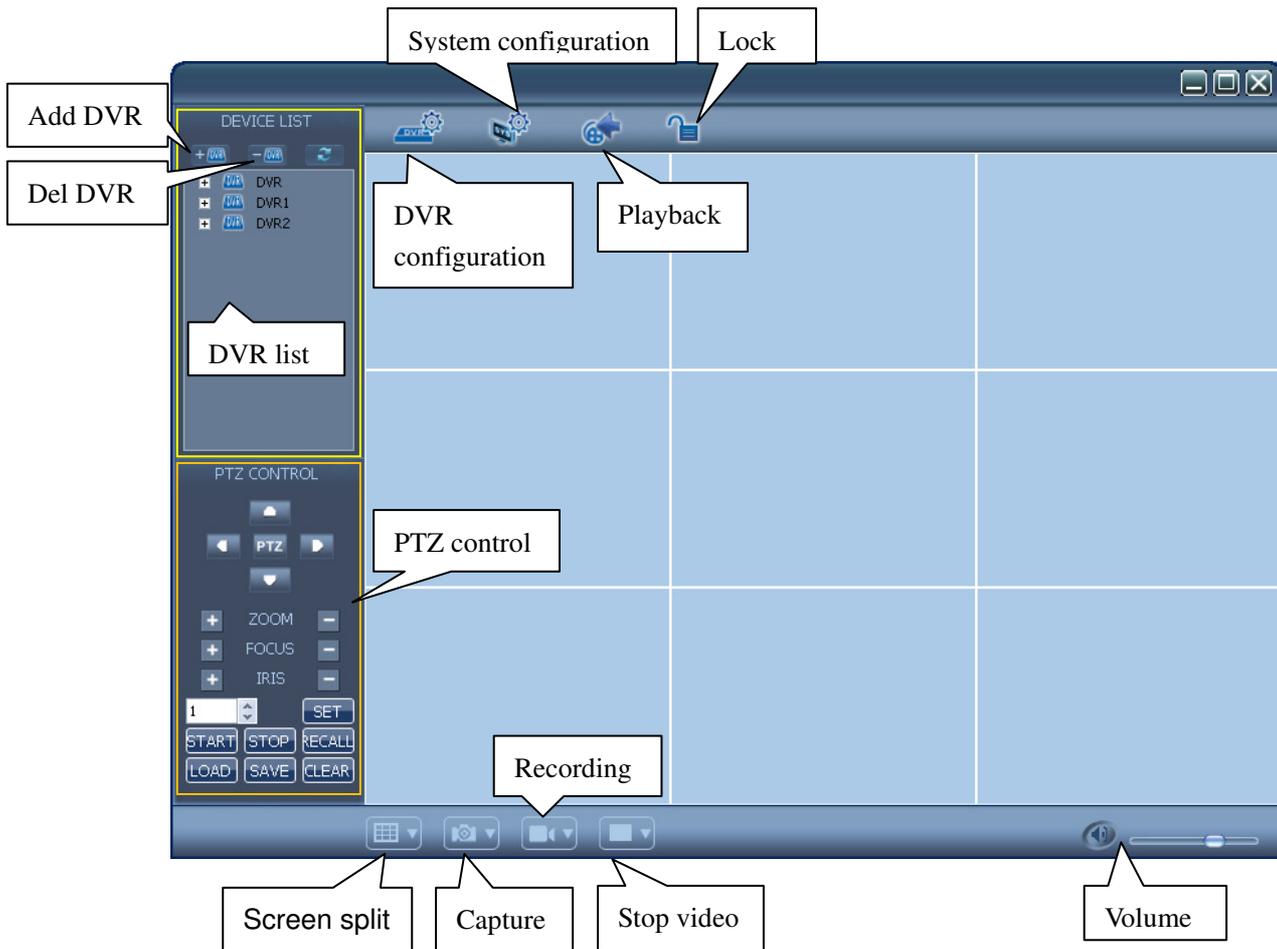
**【RE- ENTER】** confirm the initial password.

Note: “USER NAME” and “PASSWORD” can support 15 digits.

The password entered twice shall be consistent, and then the account can be created successfully.

If the earlier version of this software has already been installed, please delete the “user.cfg” under the installation menu manually, the software is default installed in :\\Program Files\\DVRCMS\\.

### 3) Recognize the interface



#### 4) Add device

Click the button , and add a DVR, as shown in the following picture:



**【DEVICE】** for 4-8 CH select 01, for 16 CH select 02.

**【DEVICE NAME】** set up an alias for DVR to make a distinction, no repetition;

**【IP ADDRESS】** the IP address or domain name pointed to DVR;

**【MEDIA PORT】** the media port number in the network setup of DVR;

**【USER NAME】** log into the user name of DVR through network;

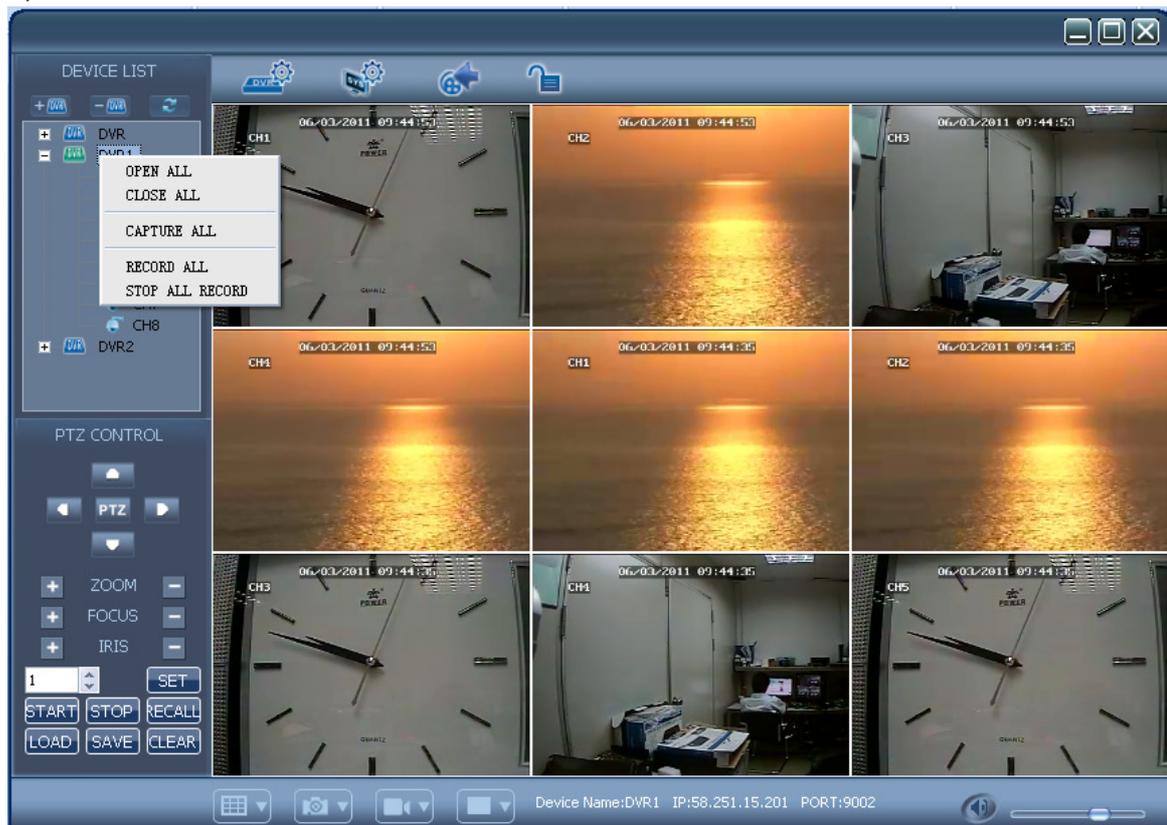
**【PASSWORD】** enter the password of DVR through network;

**【NETWORK】** choose network environment, LAN or Internet;

#### Note:

1. The device added must be the DVR which has already possessed the function of connecting to the network, and the network parameters are successfully allocated.
2. The default user name "admin" password shall be empty. If the device can't be added or the parameter can't be allocated successfully, please enter Main menu—Basic Setup—User, and select "Clear IE password" on the DVR.
3. **【IP ADDRESS】** Intranet address(LAN), Public network address or the domain name pointed to DVR;
4. After adding the device successfully, the device will display in the device list.

## 5) Live

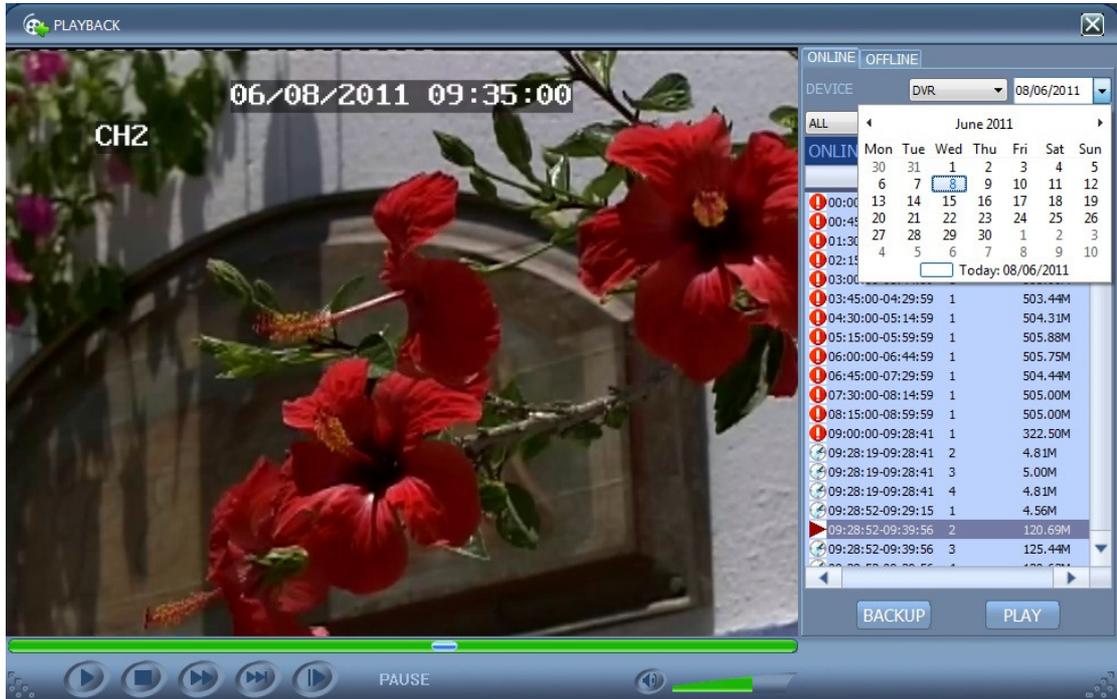


### Note:

1. Right click the label of the device, and you can choose to open all channels or double click a channel and open a single channel.
2. Click the picture of one channel, it will show a red border. It means the window is activated and the status bar will display the device information, the capture, recording, volume control and PTZ control area button will be activated.
3. Double click one channel picture, the picture will be amplified; double click again, it will be restored.
4. Picture of each channel on the picture display area is movable and can be dragged and arranged randomly.

## 6) Recording playback

Click the video playback button “”, enter into the playback mode, as shown in the following picture:



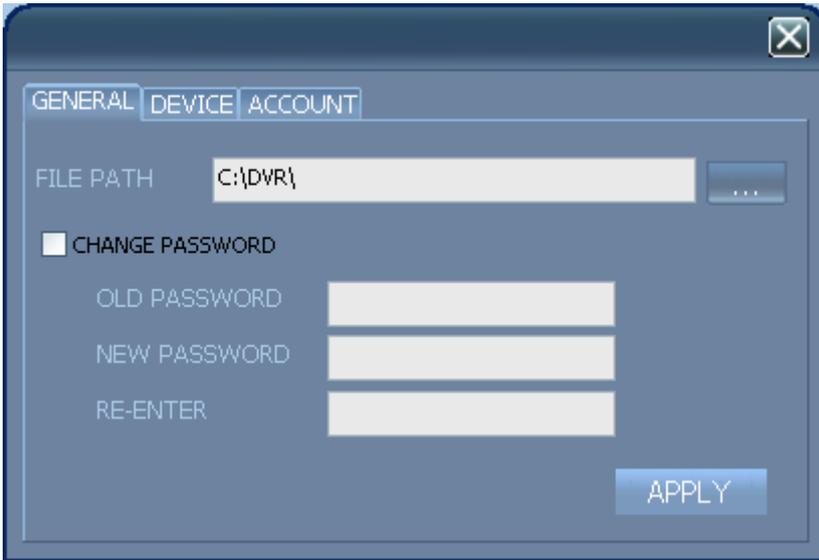
Click the drop-down list of **【Date】**, select the date needed to be played back, and then click **【Search】**, the recording of that day is in the list; double click the list file and play, and the **【play control】** is activated, Fast forward, Frame movement and Stop functions are available.

### Note:

1. When playback, the network traffic will be very large and the video will not be smooth sometimes. Please close the Live or pause for a while and play it again.
2. Click **【Offline】** tab and the locally saved video files can be played back. When playback or backup, the default save path of the downloaded file is “C:\DVR”. Select the playback file according to the address of DVR.

## 7) System setup

Click the system setup button “”, enter the system setup window:



GENERAL | DEVICE | ACCOUNT

FILE PATH C:\DVR\

CHANGE PASSWORD

OLD PASSWORD

NEW PASSWORD

RE-ENTER

APPLY

【FILE PATH】 Set the location where the video or capture file is saved;  
【CHANGE PASSWORD】 Change the log in or the log out password of CMS.

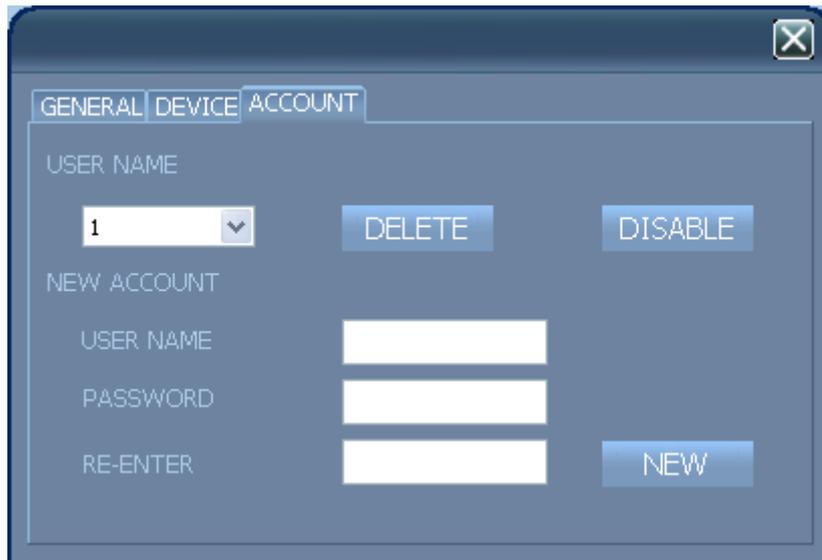


GENERAL | DEVICE | ACCOUNT

DEVICE	IP ADDR	PORT	USER	PASSWORD	NETWORK
DVR	58.251.15.201	9001	admin		INTERNET
DVR1	58.251.15.201	9002	admin		INTERNET
DVR2	dvrtest01.3322....	9001	admin		INTERNET

RESTORE APPLY

【DEVICE】 Double click cells to modify the parameters of device;



**【User Name】** Delete or disable the selected user.

**【New Account】** New User, maximum 10 users .

#### 4. Advanced Setup

Clicking  can set up parameters of the remote DVR.

##### Record

【Channel】 Select the channel which you need to modify

【Quality】 Set up the video quality

【Video Record】 Video Recording switch

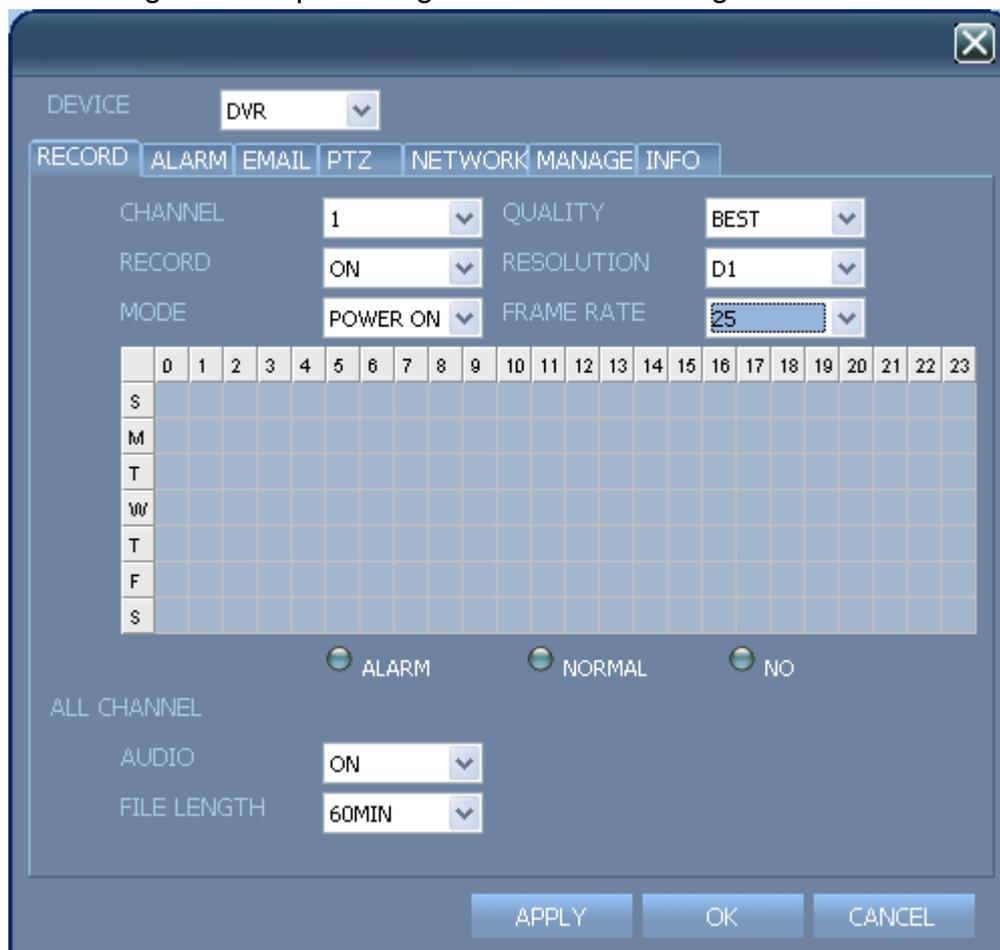
【Resolution】 Set up the resolution

【Mode】 Set up recording mode

【Frame Rate】 Set up the frame rate per second(fps)

【Audio Record】 Audio recording switch

【File length】 Set up file length for each recording file



The screenshot shows the 'Record' configuration window for a DVR. At the top, the 'DEVICE' is set to 'DVR'. Below this are tabs for 'RECORD', 'ALARM', 'EMAIL', 'PTZ', 'NETWORK', 'MANAGE', and 'INFO'. The 'RECORD' tab is active, showing the following settings:

- CHANNEL: 1
- QUALITY: BEST
- RECORD: ON
- RESOLUTION: D1
- MODE: POWER ON
- FRAME RATE: 25

Below these settings is a 24-hour schedule grid. The columns are labeled 0 through 23, and the rows are labeled S, M, T, W, T, F, S. The grid is currently empty. Below the grid are three radio buttons for recording mode: ALARM, NORMAL, and NO. At the bottom, there are three buttons: APPLY, OK, and CANCEL. Below the radio buttons, there are additional settings for 'ALL CHANNEL':

- AUDIO: ON
- FILE LENGTH: 60MIN

Note:

1. The 【Resolution】 , 【Frame rate】 & 【Recording】 parameters may be different for various DVRs;

2. If selecting “Power on” mode to record, the recording time is gray which means it cannot be set up; switch to “timed record” status, the record schedule works. And the “alarm”, “normal” and “no” are all changed to optional. If you want to change the record mode, choose “alarm”, “normal” or “no” first, and then drag the mouse with frame select method in the schedule.

## Alarm

【I/O Alarm】 Set up alarm detector output mode

【Motion detect】 When the motion detection switch is “on”, the motion detection area works. When there are any motions in the selected channel, the alarm function will work immediately, and Record simultaneously.

【Sensitivity】 Adjust the sensitivity of the trigger alarm to prevent wrong alarms

【Alarm Output】 Output time delay of the outer-connected alarm apparatus

【Buzzer】 Time delay of the inner Buzzer in the DVR

【Post Rec】 When alarms is over, continue recording time.

The screenshot shows a software window titled "Alarm" for a "DVR" device. The window has a tabbed interface with "ALARM" selected. The "CHANNEL" is set to "1". The "I/O ALARM" is set to "NO", "MOTION DETECT" is "OFF", and "SENSITIVITY" is "3". There is a grid area for motion detection with a "CLEAR" button below it. The "ALL CHANNEL" section includes settings for "VIDEO LOSS" (ON), "HDD LOSS" (ON), "HDD SPACE" (ON), "OUTPUT" (10S), "BUZZER" (10S), and "POST REC" (1MIN). At the bottom are "APPLY", "OK", and "CANCEL" buttons.

Channel	I/O Alarm	Motion Detect	Sensitivity
1	NO	OFF	3

Setting	Value
VIDEO LOSS	ON
HDD LOSS	ON
HDD SPACE	ON
OUTPUT	10S
BUZZER	10S
POST REC	1MIN

## Email

Set up the email to receive the alarm emails (this function is not applied by default); You should search the relative email parameters through internet, this function supports sending and receiving the captured alarm pictures

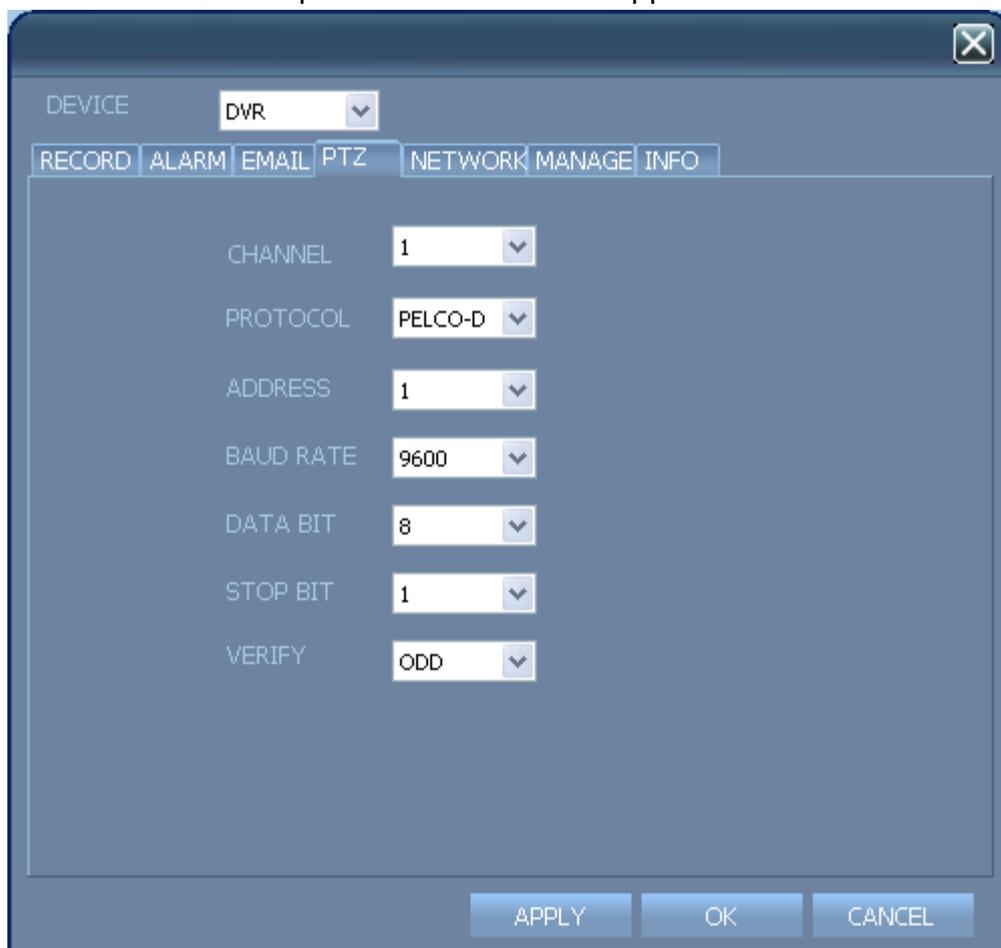
## PTZ

【Channel】 Select the channel PTZ located

【Protocol】 Select the PTZ Protocol: PELCO-D or PELCO-P

【Address】 Set up the PTZ address

【Baud Rate】 Set up the Baud rate PTZ supported



The image shows a software window titled "PTZ" with a close button in the top right corner. At the top, there is a "DEVICE" dropdown menu set to "DVR". Below this are several tabs: "RECORD", "ALARM", "EMAIL", "PTZ" (which is selected), "NETWORK", "MANAGE", and "INFO". The main area of the window contains several configuration fields, each with a label and a dropdown menu:

- CHANNEL: 1
- PROTOCOL: PELCO-D
- ADDRESS: 1
- BAUD RATE: 9600
- DATA BIT: 8
- STOP BIT: 1
- VERIFY: ODD

At the bottom of the window, there are three buttons: "APPLY", "OK", and "CANCEL".

### NOTE:

1. When one DVR is connected with several PTZs, it must have dip switch to set up different address positions. And put the terminal resistance in the farthest PTZ to ensure stable control, which won't cause cross influence when working.

## Network

- 【Mode】 Set up DVR Network Modes: "Static", "DHCP" & "PPOE" optional;
- 【bandwidth】 DVR in the Max bandwidth in the network, such parameters affect the network smooth and picture quality
- 【Media Port】 【Network Port】 DHCP PORT & Connected IE port separately
- 【Mobile Phone Port】 Connect the Mobile phone software with the DVR port

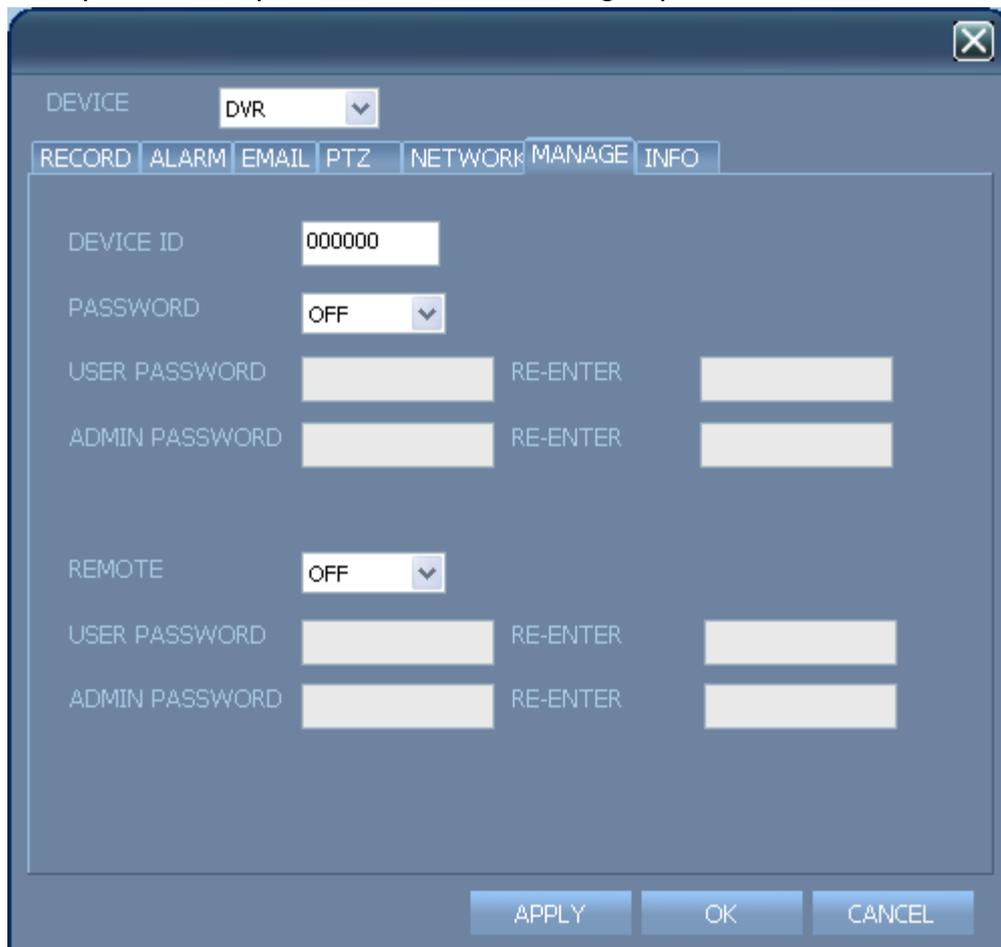
DEVICE	DVR		
TYPE	STATIC	INTERNET	256K
MEDIA PORT	9001	DDNS	ON
MOBILE PORT	15961	SERVICE	3322
WEB PORT	7004	HOST NAME	dvrtest01.3322.org
PPPOE NAME		USER NAME	dvrtest02
PASSWORD		PASS WORD	*****
IP ADDRESS	192 . 168 . 2 . 108		
SUBNET MASK	255 . 255 . 255 . 0		
GATEWAY	192 . 168 . 2 . 1		
DNS	192 . 168 . 1 . 1		

### Note:

Revising networking parameters maybe lose the remote connection, please pay high attention to such operation. It is suggested not to set up the network parameters in remote.

## Manage

Set up DVR host password and remote log in password



The screenshot shows a web-based configuration window for a DVR. At the top, there is a 'DEVICE' dropdown menu set to 'DVR'. Below this are several tabs: 'RECORD', 'ALARM', 'EMAIL', 'PTZ', 'NETWORK', 'MANAGE' (which is highlighted), and 'INFO'. The 'MANAGE' section contains the following fields:

- DEVICE ID:** A text input field containing '000000'.
- PASSWORD:** A dropdown menu set to 'OFF'.
- USER PASSWORD:** A text input field followed by 'RE-ENTER' and another text input field.
- ADMIN PASSWORD:** A text input field followed by 'RE-ENTER' and another text input field.
- REMOTE:** A dropdown menu set to 'OFF'.
- USER PASSWORD:** A text input field followed by 'RE-ENTER' and another text input field.
- ADMIN PASSWORD:** A text input field followed by 'RE-ENTER' and another text input field.

At the bottom of the window, there are three buttons: 'APPLY', 'OK', and 'CANCEL'.

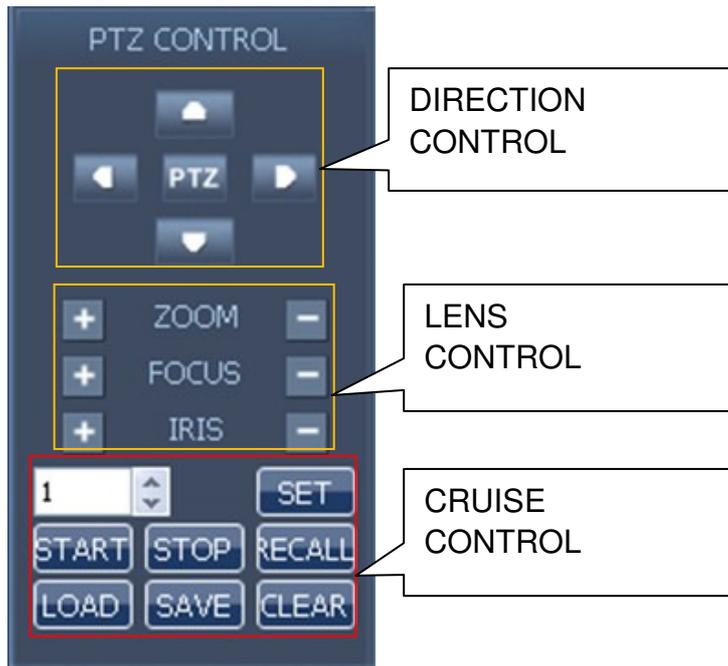
### Note:

The password should be with 6 numbers. General user can only check information but cannot revise any parameters, the administrator can revise anything.

### Info

Check the DVR information

## 5. PTZ Control



Basic control

Direction control: Turn Up, Down, Left, Right

Lens Control: Adjust Zoom, Focus, Iris

### Cruise setup

Setup steps:

1. Adjust the direction key to "Cruise start point", click "Setup" to start the first step;
2. Adjust the direction key to "Cruise Over point", click "Setup" to set the end point
3. Click "Save" to save the above two steps
4. Click "Start" PTZ starts automatically and cruise scan within the setup area

Note: 1. When PTZ works, selecting a channel connecting with PTZ is a must.

2. Repeating Step 2 can set up several spots, and PTZ cruises among several points automatically.