

corresponding【setting】and press【Enter】to enter regional setting interface. The blue area means motion detection is activated, transparent block means motion detection is not activated. Press the direction key on remote control to move the cursor along the small pane: position of cursor is indicated by green frame. Press 【Enter】 to select or cancel motion detection in this small pane. When the setup is finished, press 【】 or right click to go back to MD setup interface and move the cursor to “” to save settings.

Note:

Mouse operation: Left click and drag the frame to setup the region for motion detection.

OUTPUT: “ON” indicates that an alarm will go on if it had been triggered by motion.

RECORD: “ON” indicates that the relevant channel will record if it had been triggered by motion.

BUZZER: “ON” indicates that the buzzer will turn on if it had been triggered by motion.

Prerecord: “ON” indicates that the relevant channel will prerecord 5 seconds if it had been triggered by motion.

Email: “ON” indicates that the picture of relevant channel will be send to mail if it had been triggered by motion.

Note: If the buzzer alarm in section 5.6.2.1 or I/O alarm in section 5.6.2.3 had turned off, they will not be triggered in any case.

5.7 PTZ----(Optional)

Move the cursor to [PTZ] (the icon will be highlighted when selected) and press [Enter] to access setting interface. You can setup the parameters for each channel separately.

5.7.1 PTZ Channel

The channel with PTZ is connected.

5.7.2 PTZ Protocol

Select the PTZ device protocol. It must be consistent with the protocol of the actual PTZ cameras installed. You can make the choice among two available options: Pelco-D and Pelco-P. The changes will take effect after you save and exit.

5.7.3 PTZ Baud Rate

Select the PTZ device baud rate. It must be consistent with the baud rate of the actual PTZ cameras installed. You system supports four options: 1200, 2400, 4800, 9600. The changes will take effect after you save and exit.

5.7.4 PTZ Data Bit

Options include 5, 6, 7 and 8. The default setting for DATA BIT is 8.

5.7.5 PTZ Stop Bit

Options include 1 and 2. The default setting is 1.

5.7.6 PTZ Parity

Options include None, Odd, Even, Mark and Space. The default setting is none.

5.7.7 PTZ Address

Select the PTZ device ID. It must be consistent with the ID of the actual PTZ cameras installed. Make your choice of any number from 1 to 255. Please note that this is not the same as the number of the channel to which you hook up the PTZ camera in your DVR system. The system allows for step-by-step selection of the values by pressing the arrow buttons at each end of the field. The changes will take effect after you save and exit.



Please note the above mentioned channel setting must match the settings of the PTZ camera.



Note: When making changes to PTZ camera functionality / settings, make sure that these changes are being made to actual PTZ cameras by selecting the correct number in the previous field (Camera Channel).

6. WEB BROWSER OPERATION

6.1 Feature

Install the software through the IE browser of OS to operate the network remotely and conveniently. DVR supports C/S, B/S, and access in LAN and WAN. It also supports IP and domain name visiting.

RESTRICTION CONDITION :

To ensure PC's stable visiting of DVR, we recommend Windows XP or Windows Vista operation system, and IE 6.0, IE 7.0 browsers, Firefox browser and chrome browser.(In the appendix, there is introduction which introduce how to access DVR through Firefox browser or Chrome browser.)

6.2 Network Security Setting

Prior to control installation, please program the network security level by using the following operations:

- (1) Open the IE browser and click [Tools→ Internet Options].
- (2) Choose the “Security” label in the dialogue box.



- (3) Click “Customization level” to enter into the security setting.



Set the ActiveX control and pluggable unit. Select the following options

- ✓ ActiveX control auto-prompting
- ✓ Run the script of the ActiveX control which is marked to be that can safely implement the script.
- ✓ Implement initialization and run the script of the ActiveX control which is not marked to be that can safely implement the script.
- ✓ Binary system and the script behavior
- ✓ Download the unsigned ActiveX control
- ✓ Download the signed ActiveX control

√ Perform the ActiveX control and pluggable unit

It's extremely importation to “enable” the items above.

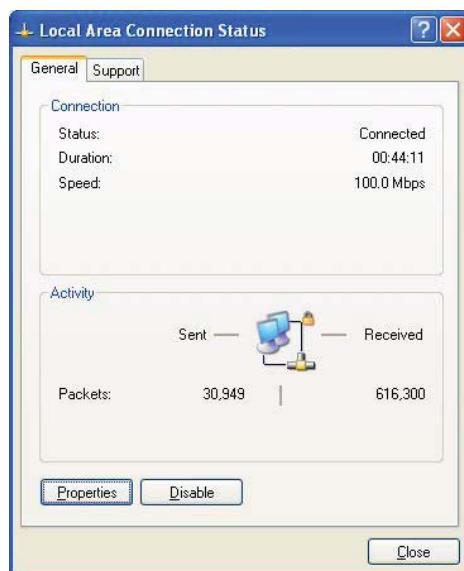
Prompt: Before control installation, please turn off the fire wall and the anti-virus software.

6.3 Connection Setting

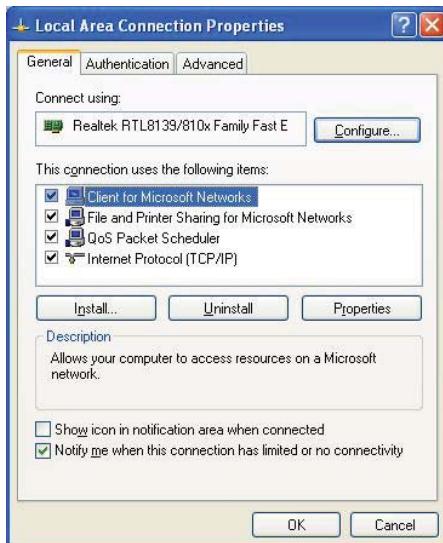
The remote access for the hard disk recording machine should be carried out through the network. In the local area network connection, the IP address of the client-side computer must be in the same network section with that of the hard disk recording machine. While in the wide area network connection, just ensure that two sides can visit the public network, and connect through the IP address or the dynamic domain name. The following will mainly focus on the connecting and setting method for the local area network.

Step 1: Right click on “Network neighborhood” and click “Attribute” in the ejected menu to open the “Network connection”.

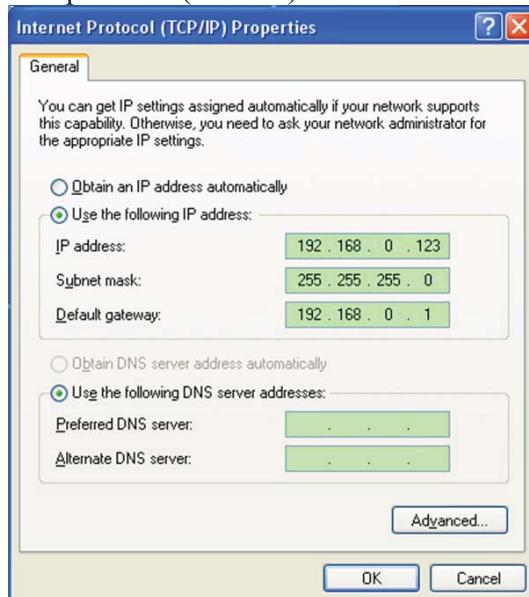
Step 2: Double click to open “Local connection”.



Step 3: Click “Attribute”.



Step 4: Double click “Internet protocol (TCP/IP)”.



Step 5: Examine the IP address, subnet mask, and default gateway on the PC.

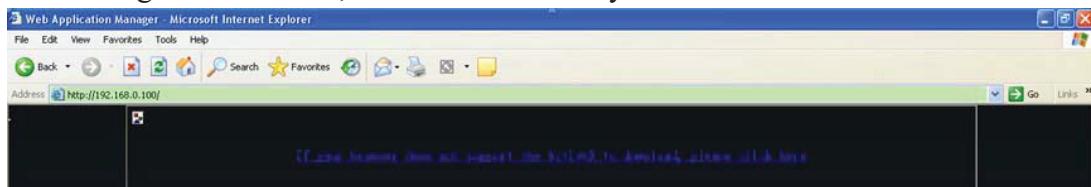
Step 6: Set the corresponding IP address, subnet mask, and default gateway on the DVR (refer to 5.5.5 Network Setup). If the subnet mask and default gateway on DVR are the same with those of the PC, then the IP address must be in the same network section but cannot be the same with the used one. Otherwise, it will cause IP address conflicts. Take the figure above as an example, the IP address should be: 192.168.0.X, wherein, X cannot be 40 or 1 (including other IP addresses currently being used), and cannot surpass 255, the subnet mask is 255.255.255.0, and the gateway is 192.168.0.1.

6.4 Control Download And Installation

After finishing the aforementioned settings, open the IE browser, input <http://192.168.0.X> (192.168.0.X is the setting IP address of the DVR) and confirm. If the http port of DVR setting has been changed (not 80), it's will be must to add colon + port number (assume that the current port number is P), like <http://192.168.0.X:P>, for correct visit. Then, please click “If your browser does not support the ActiveX to download, please click here”, the network will

download and install the control automatically.

After connecting to the internet, IE will automatically download the file to PC as follows.



The system will automatically enter GUI as follows.



Select English interface from the top left side. Input correct password if password is enabled to enter the system. The password is the same as the one set in DVR.

USER ID: Input user name. The administrator has all authorities, but common user has been limited authorities by administrator. Administrator can change user's remote permission at User Management.

PASSWORD: The password is as the same as the password of Device.

NETWORK: LAN/WAN

Note: If you connect the device in WAN, the IP should be a public IP.

6.5 Operation Interface

Options in the main interface include LIVE, REPLAY, REMOTE SETTING, LOCAL SETTING and LOGOUT. Click any option to access.

6.5.1 Live

Click [Live] to enter into the interface as follows. In some case you had to click to open images from DVR.



6.5.2 Control

Move cursor to the icons, which will become highlighted when selected.

Connect all windows or disconnect all windows.

Capture picture, save in local disk, system save default path is “c:\DVR\BACKUP\”.

Quick-start to record video on all channels. The left upper corner of each channel has normal recording video symbol .

Click icon to switch between single screen /quad /nine /16 split /full screen .

Adjust the volume.

6.5.3 Other Operation

1. Select one channel at preview screen (the selected channel's frame will be change to blue), and double click to the selected channel single screen display.
2. Click one channel at the preview screen, and then right click to open the shortcut menu window.

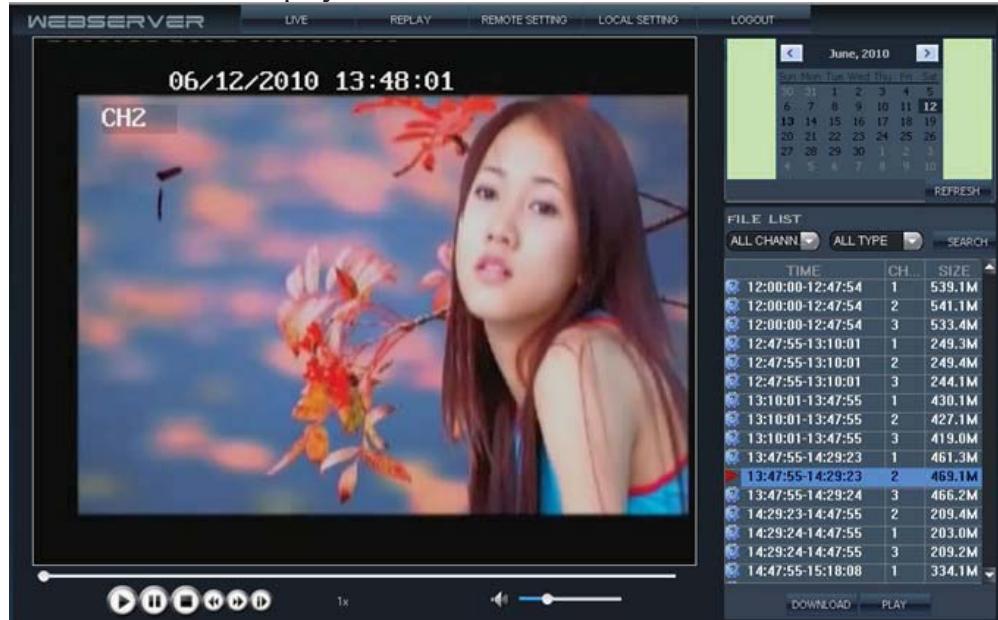


You can open, shut down and start this channel's record using the shortcut menu.

3. Right click a live view screen, and click “connect all” or “disconnect all” to quickly open or close all windows.

6.5.4 Replay

Click “REPLAY” to enter into playback interface.



Click right up of calendar interface and , to set the month for searching; click “REFRESH” at the calendar interface to display the recording information of current month.



The highlighted date indicates that video was recorded on that day. Click on a date to search the recording file list of that day. For example, the above fig shows that June, 12th, 13th have recorded video when it shows on bold, and current search date is June 12th.

Select channel and type at the bottom of the calendar. Click “SEARCH” and the result will display as follows.



Double click one of the listed recorded video to playback. Or select one of the listed recorded video and click the button [PLAY] to playback. The file icon will change to .

DOWNLOAD

The user can download files on PC, and save them to HDD for backup or play. Download file format is AVI file.

6.5.5 Instruction Of Toolbar

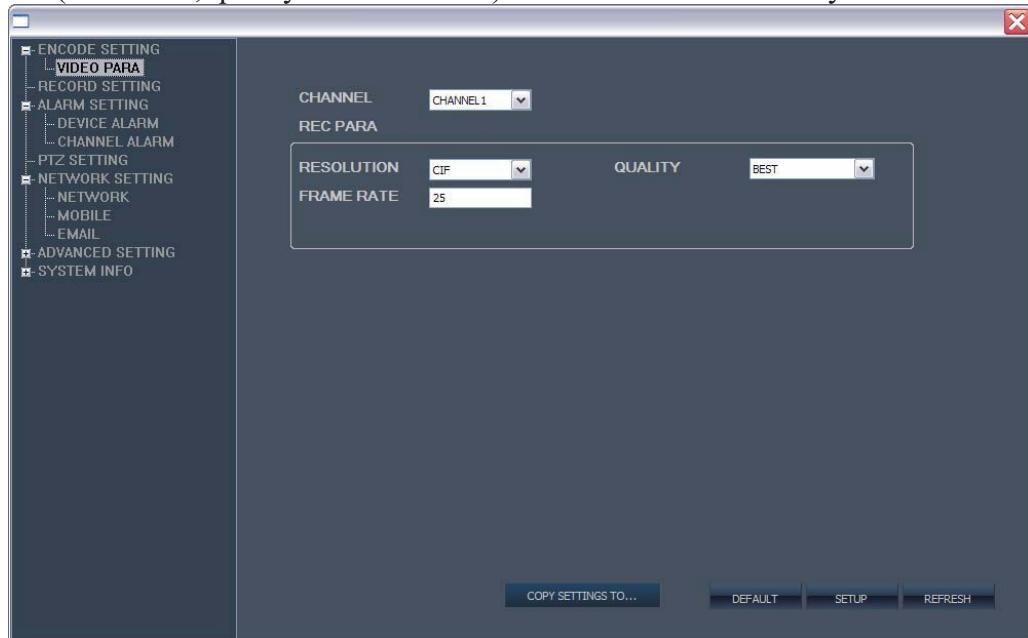


6.5.6 Remote Setting

Click [Remote Setting] to enter into setup interface, this interface includes record, alarm, PTZ, network, advanced and system information six menus.

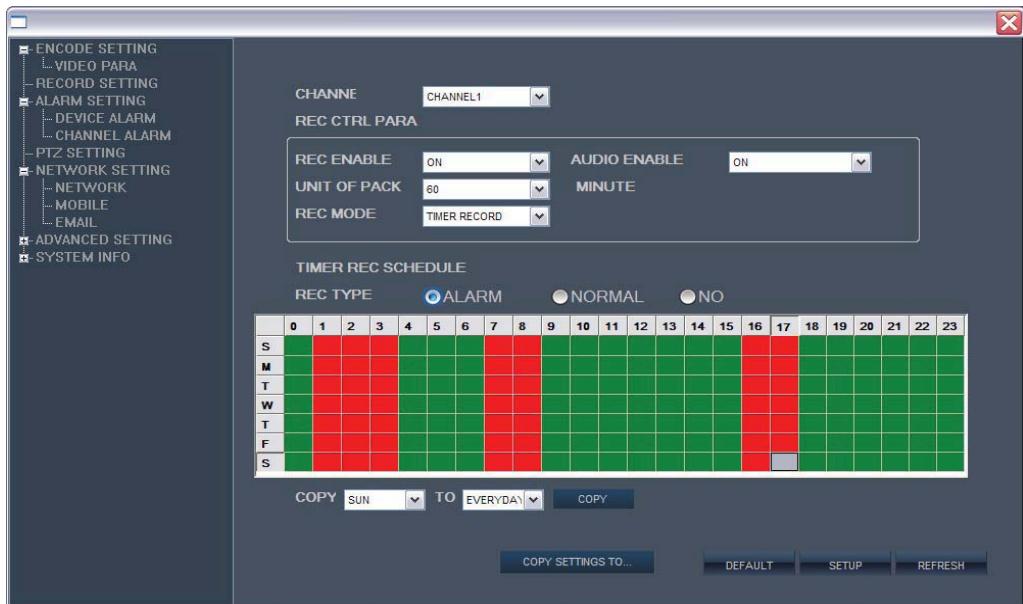
A. Encode Setting

Click [Encode Setting] – [Video Para] to enter into setup interface. User can adjust recording parameters (resolution, quality and frame rate) for each channel remotely via net-viewer.



B. Record Setting

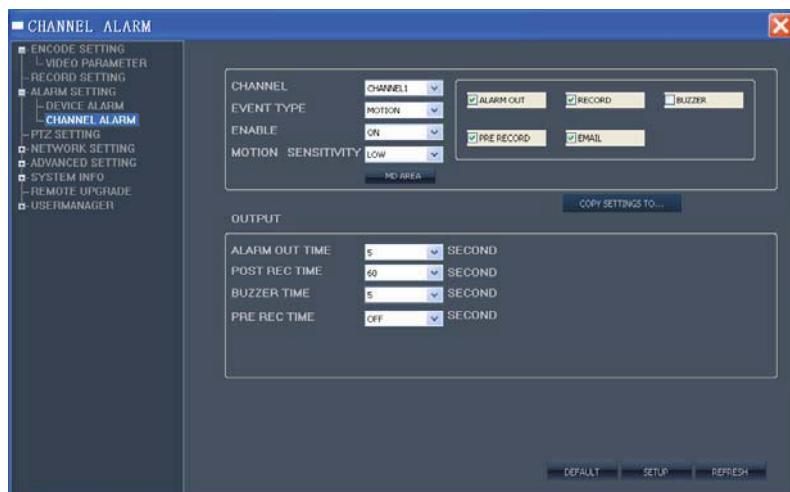
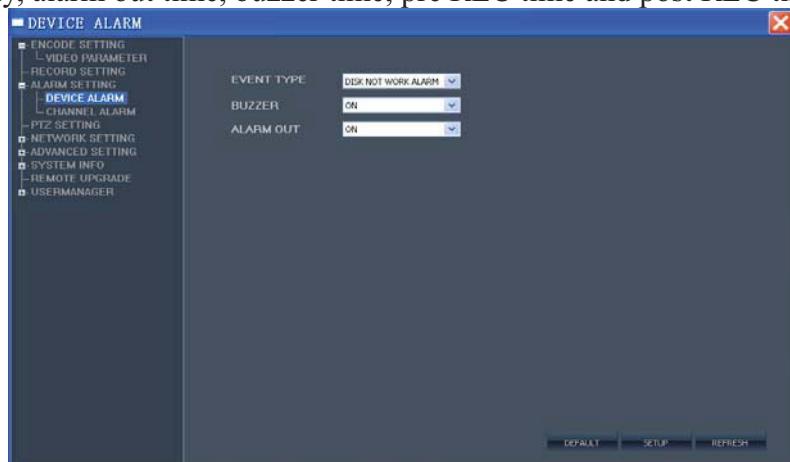
Click [Record Setting] to enter into the menu interface, user can select “on/off” for each channel, and adjust recording parameters (audio, pack time, REC mode and REC schedule) remotely via net-viewer.



C. Alarm Setting

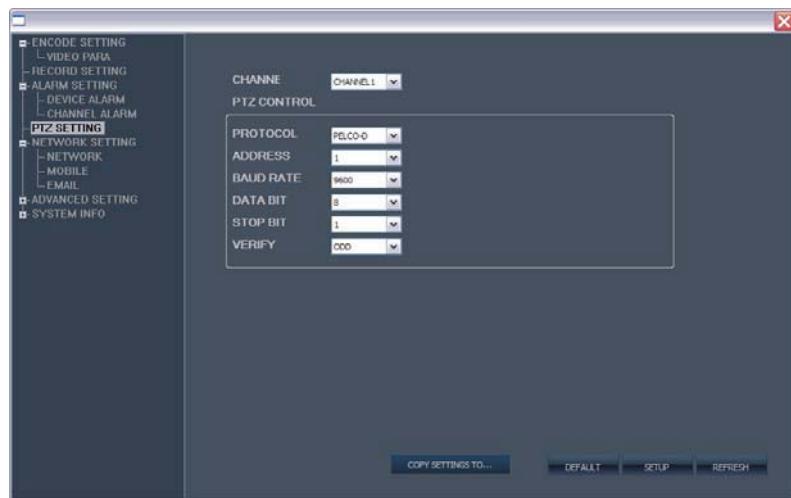
Click [Alarm Setting]-[Device Alarm] to enter into setup interface.

Click [Alarm Setting]-[Channel Alarm] to enter into setup interface. User can set up alarm event types; also can set I/O alarm for each channel, motion detection alarm, motion area, motion sensitivity, alarm out time, buzzer time, pre REC time and post REC time.



D. PTZ Setting

Click [PTZ Setting] to access setup interface. User can setup PTZ parameters remotely using the same methods as in the local DVR setup.



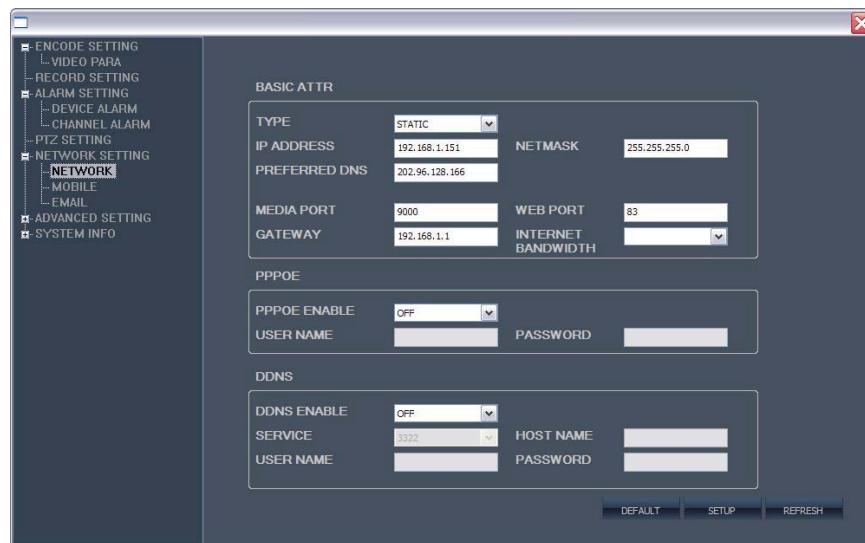
E. Network Setting

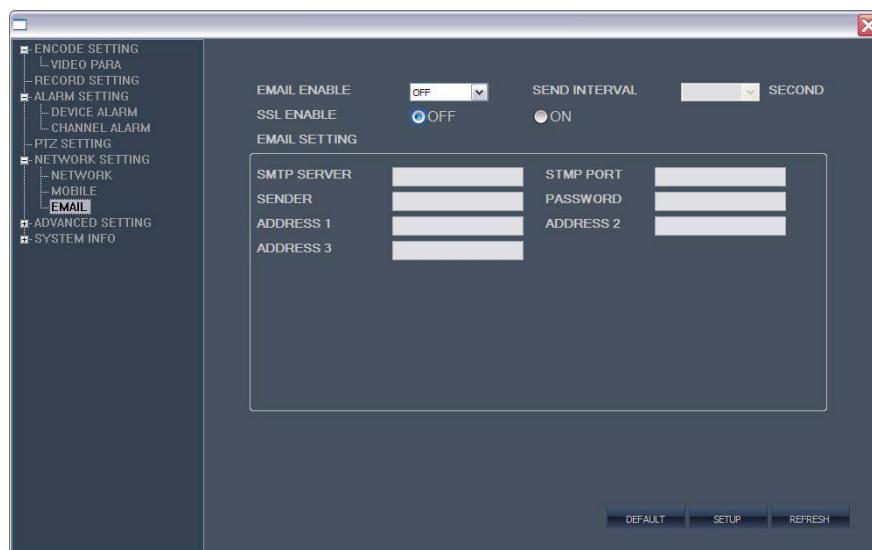
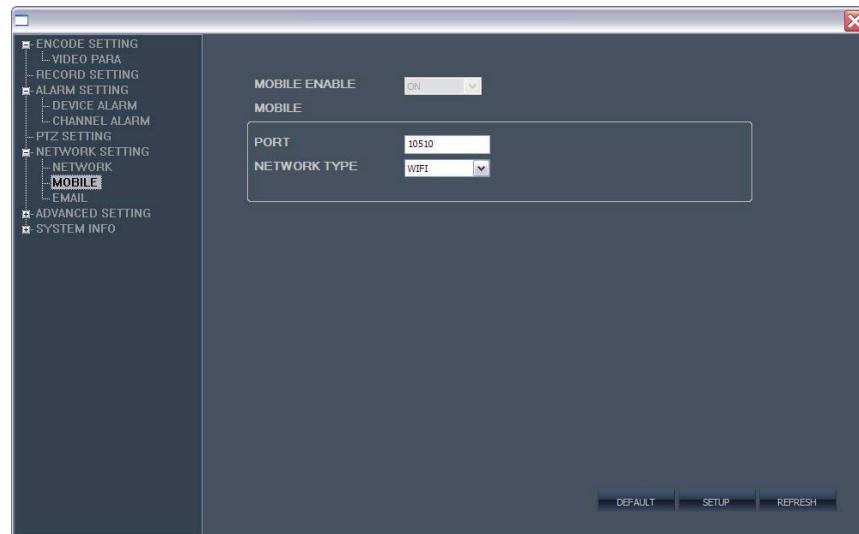
Click [Network Setting] - [Network] to enter setup interface. The menu allows user to set a lower bandwidth for Internet video transmission.

Click [Network Setting] - [Mobile] to enter setup interface.

Click [Network Setting] - [Email] to enter setup interface.

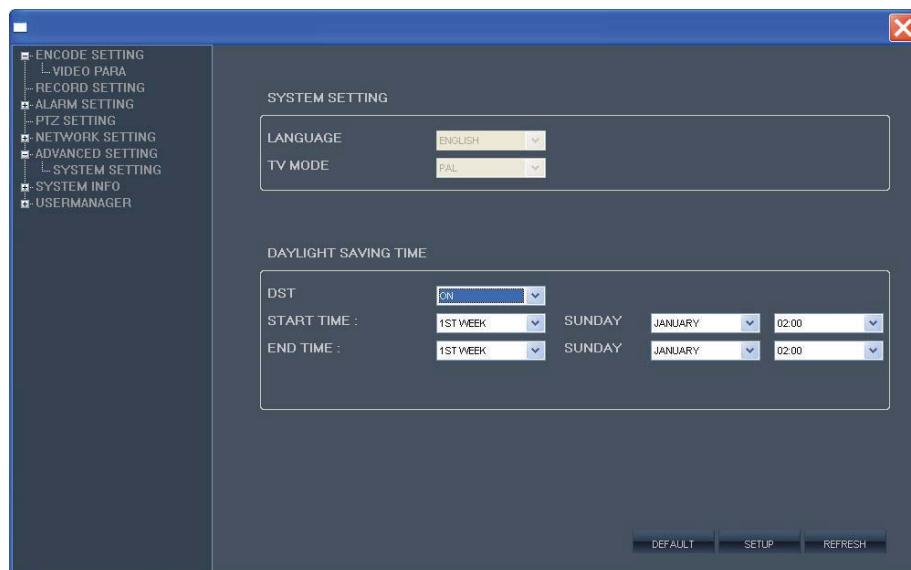
User can setup network parameters using the same methods as in the local DVR setup.





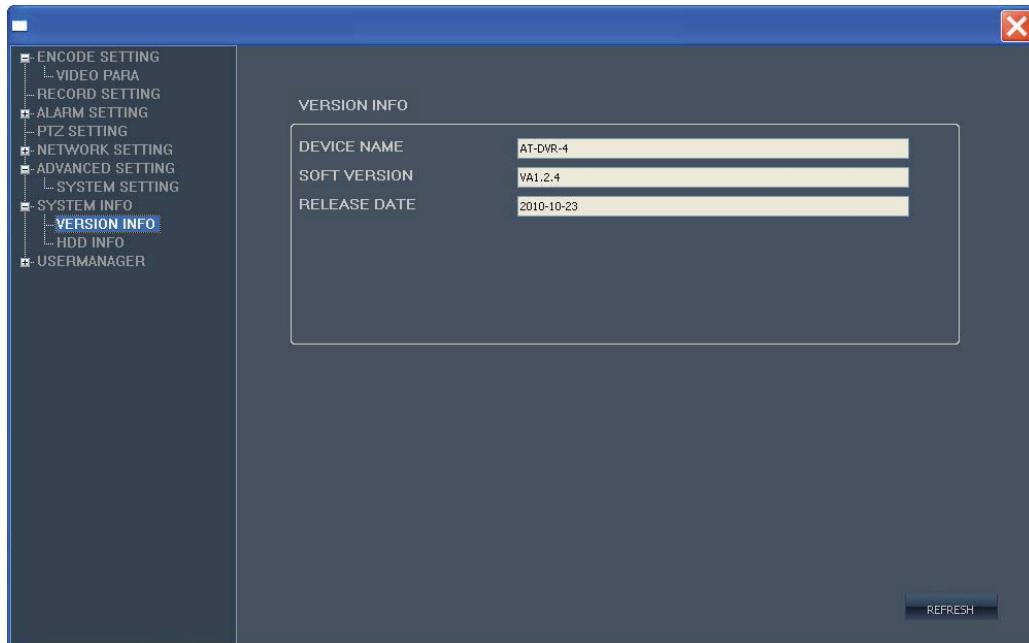
F. System Setting

Click [Advanced Setting] - [System Setting] to enter setup interface. The menu allows user to set daylight saving time.

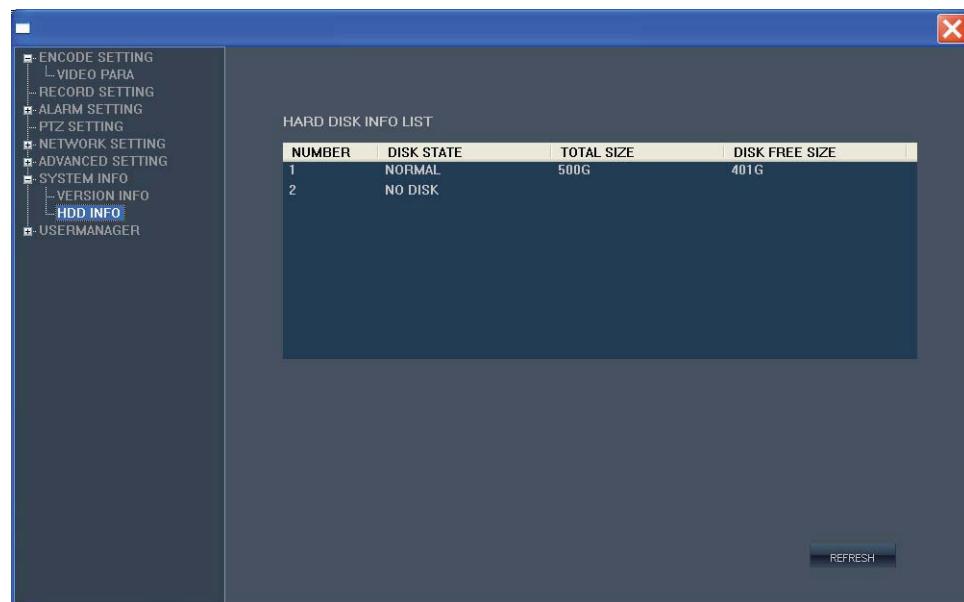


G. System INFO

Click [System INFO] - [Version INFO] to enter setup interface. Here user can check the device's ID and software version.

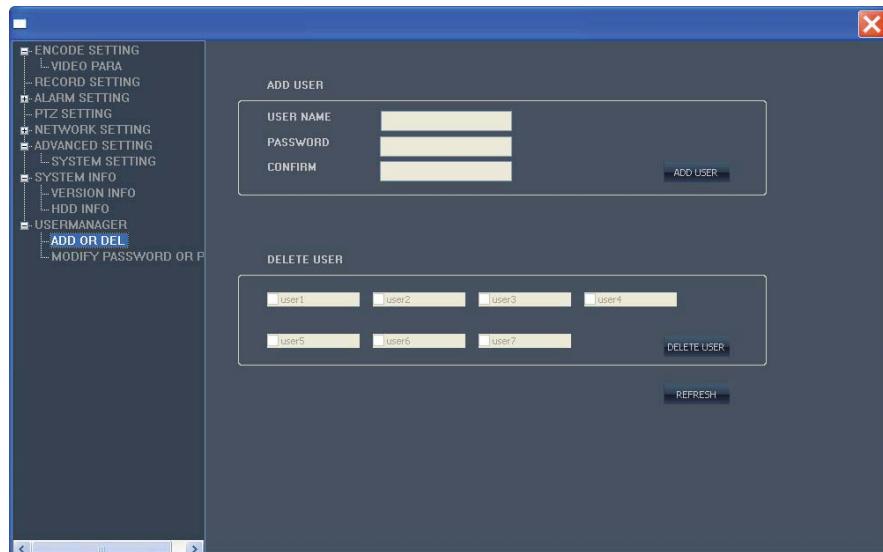


Click [System INFO] - [HDD INFO] to enter setup interface. Here user can check HDD state, total size of HDD and free size of HDD.

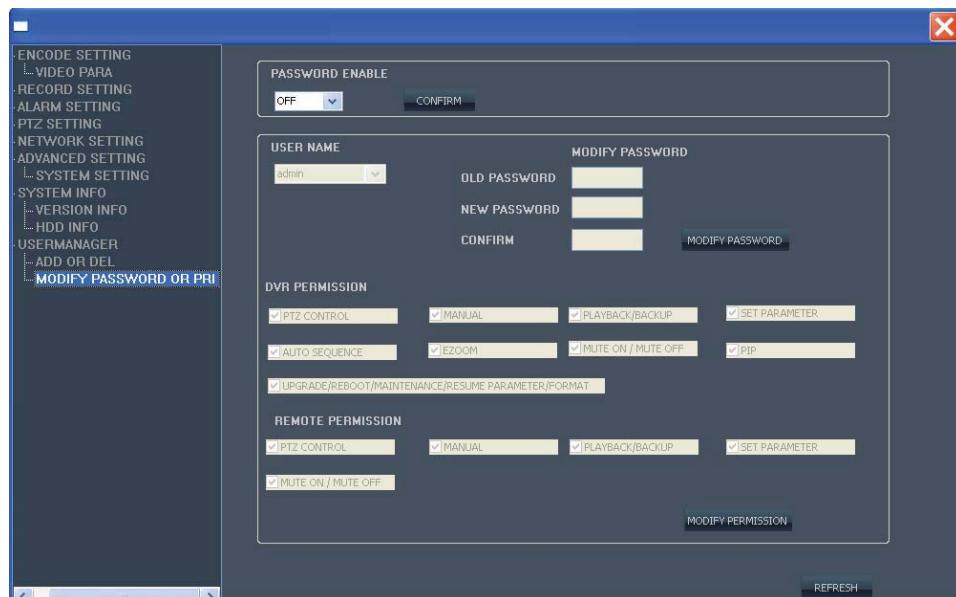


H. User Manager

Click [User Manager] - [ADD OR DEL] to enter setup interface. This interface could only been seen by administrator when password is available. Administrator can add new user or delete any user.

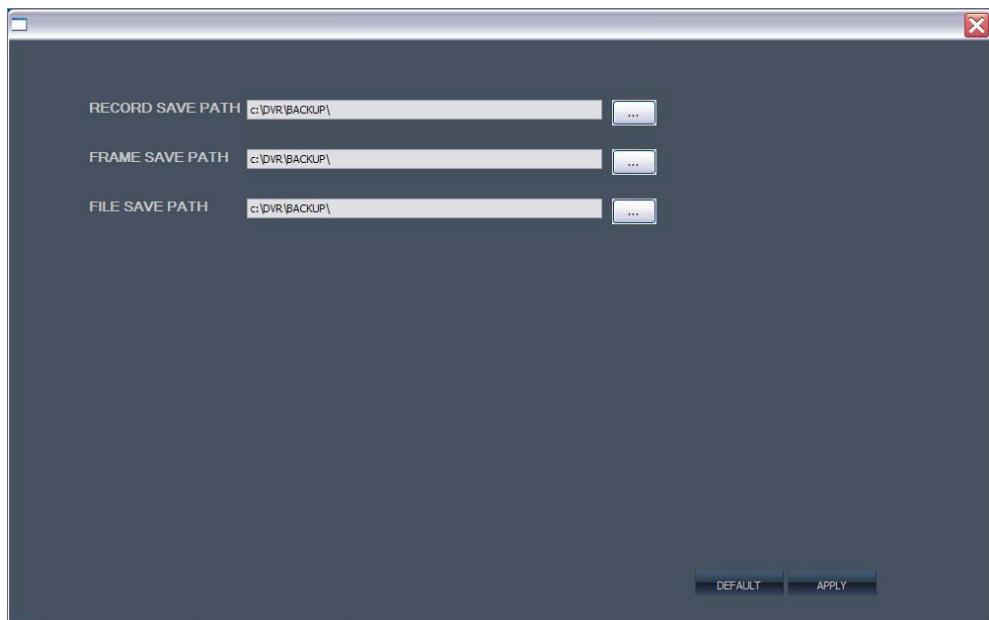


Click [User Manager] - [MODIFY PASSWORD OR PRI] to enter setup interface. This interface could only be seen by administrator when password is available. Administrator can change password, local authority and remote authority.



6.5.7 Local Setting

Click [Local Setting] to enter setup interface. User can setup the save path for local setting. “Record save path” is for recording, “Frame save path” is for capture and “File save path” is for download. Click the button “...” to setup save path.



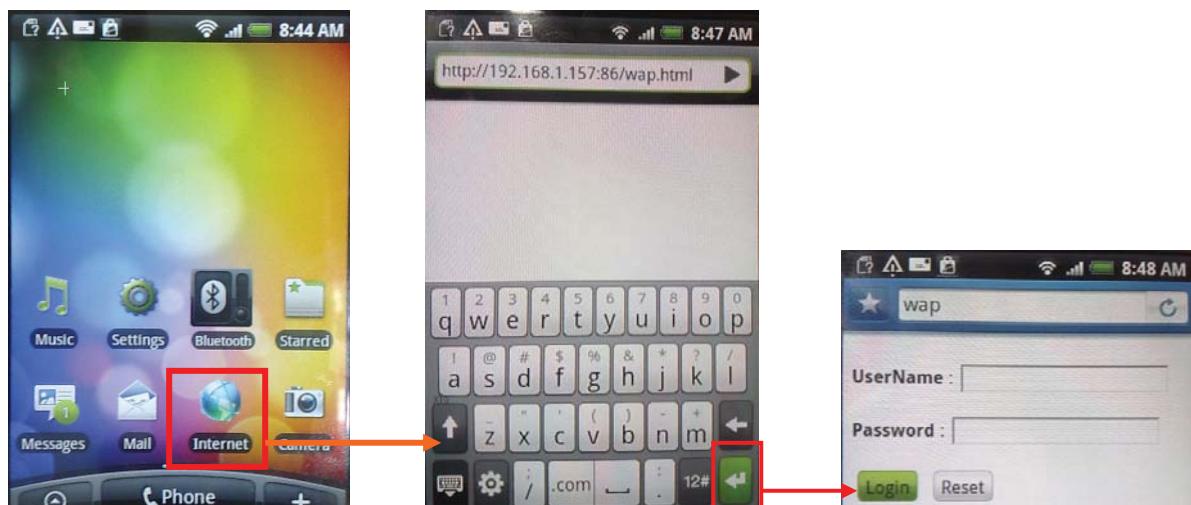
6.5.8 Logout

Click [Logout] to log out of the system.

7. WAP CONNECTION

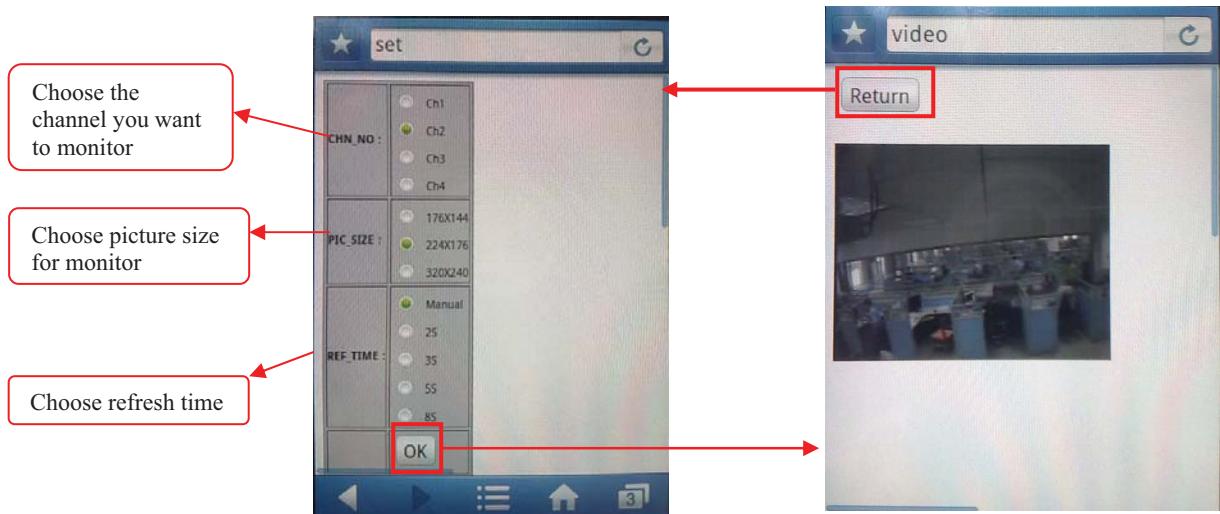
The digital video recorder can also be remotely accessed by using a web browser installed on a mobile phone that support **xHTML** and **MJPEG file format**, and has screen resolution at **320x240** or above. Then follow this step to access the digital video recorder.

1. Make sure the digital video recorder connects to Internet accurately.
2. Open Internet Browser on mobile phone and fill in IP address of DVR. For example: if the IP address of DVR is 192.168.1.157 and its web port is 86, you can fill its address column with <http://192.168.1.157:86/wap.html>, click button ENTER.
3. There will be a login interface, you should fill in your user name and password, then click “login”. The user name and password will be blank if password of DVR is disabled, and the user name and password will be the same as the DVR’s if password of DVR is enabled.



4. After logging on system successfully, there will be a setting page. You can set channel you want to monitor, picture size and the refresh time. Click “OK” to take them effect.

5. Now you can get picture from the monitor channel. The picture will refresh in several seconds automatically if you had chosen a refresh time in setting page. While you have chosen manual as refresh mode, it won't refresh automatically until you click “refresh”. The monitor channel, the picture size and refresh time is decided by setting page. If you want to configure again, you can click “Return” to configure parameters.



Note:

You can only monitor one channel. If you want to look over other channel, you should return and configure channel number again.

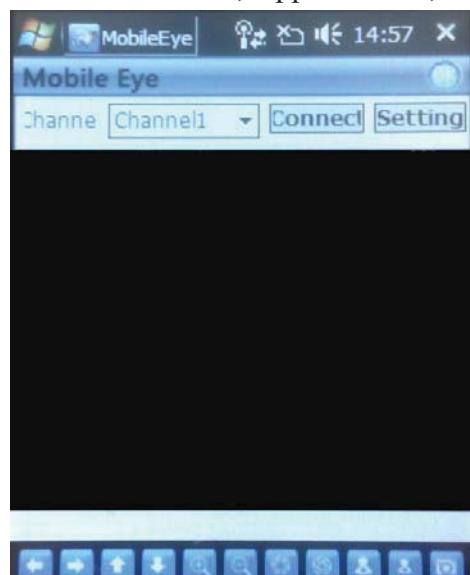
8. MOBILE PHONE SUPPORT

A state-of-the-art feature of this DVR device is transmitting live feed from the CCTV cameras to your mobile phone, so that you can have ‘on the go’ access to your surveillance system from virtually anywhere in the world. Currently, there are a limited number of phones that can support this feature: Windows CE Mobile, Symbian S60 3rd Edition OS, Apple iPhone, Andriod and Blackberry.

8.1 Windows Mobile



Note: Prior to using this feature, you should apply for an Internet connection service for your mobile phone, such as 3G or 2.5G. Please contact your mobile service provider for details.



From the installation CD, install file “xxx.cab”

onto your Windows Mobile phone. See your phone user manual for more details on installing this application.

Find and execute program “MobileEye”. Click the **Setting** button to setup the IP address for your DVR.



In the following screen, input the User Name, Password, Server (IP address for your DVR) and Port (default 10510). Next, choose the channel Count for streaming data from the drop-down menu and choose the Default Channel when connecting. Choose a Record Name for your favorite files.

Click OK to save the settings.

The main window of the Mobile Phone application offers a choice of channels, **Connect** and **Settings** buttons.



You can only watch one live feed channel at a time with your mobile phone. Split mode and playback of recorded files is not available at the moment.

To connect to the system and start watching the live feed from your CCTV cameras, click on the **Connect** button.

To choose the camera, use the **Channel** drop-down menu.

To modify settings, press the **Setting** button.

On-screen data will provide information about frame rate (fps), resolution (size) and bit rate (Kbps) of current channel.

The menu bar contains the following controls.

Directional buttons for controlling the direction of the PTZ camera view

Zoom in / out

Iris

Focus

Snapshot



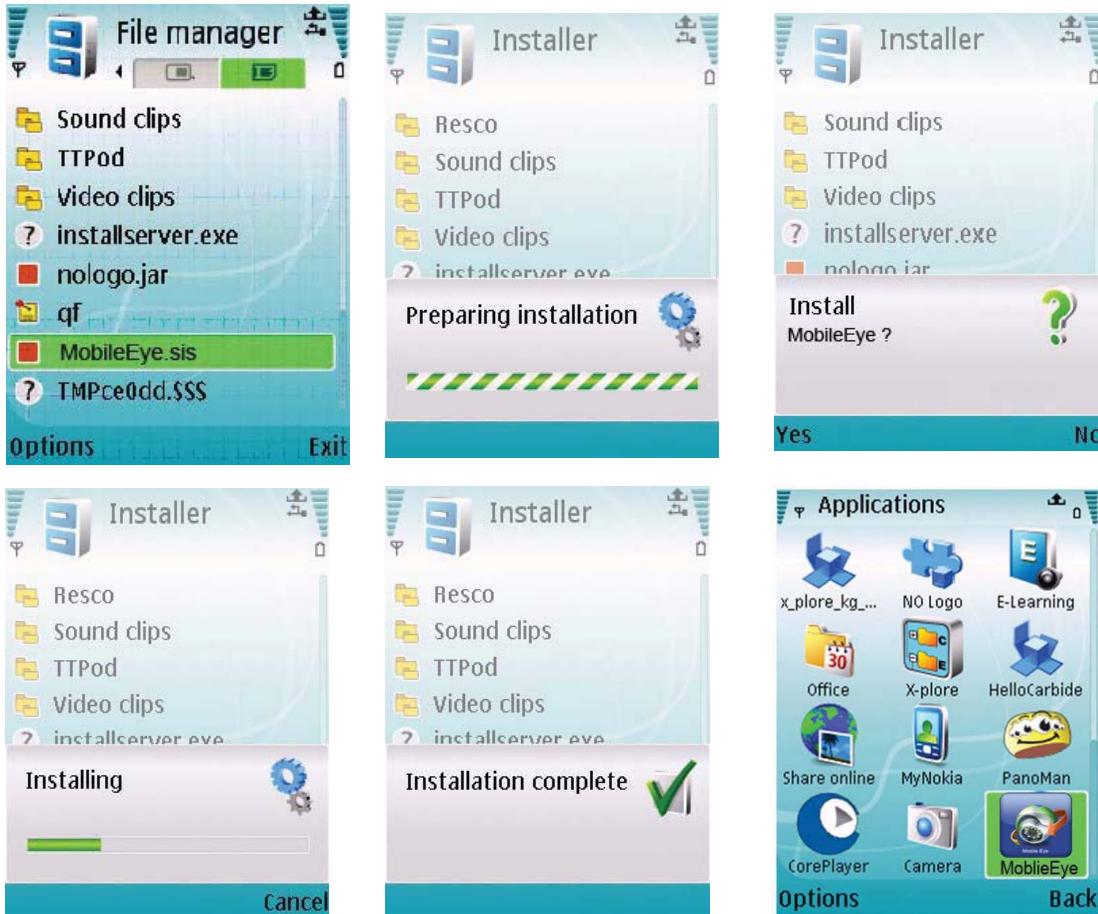
8.2 Symbian S60 3rd Phone

From the installation CD, install file “xxx.sisx” onto your Symbian S60 3rd Edition mobile phone (for the list of mobile phones tested for compatibility, please see “List of Symbian Supported Mobile Phones”). For instructions on installing software onto your mobile phone, please refer to the phone’s user manual.



Note: Prior to using this feature, you should apply for an Internet connection service for your mobile phone, such as 3G or 2.5G. Please contact your mobile service provider for details.

Please see a sample installation process shown below:



After the installation is complete, please locate the Mobile Eye icon “ ” in the list of applications on your mobile phone.

In order to start working with the CCTV feed on your Symbian mobile phone, you will have to configure the program by entering the preferred network access point, IP address of the DVR, mobile phone port, username and password.

Click the icon to enter the setup window.

In the **Setting** screen, enter the following data:



Default Access Point: Choose the network through which you connect to the Internet. The options are: “*None*”, “*WAP over GPRS*”, and mobile service providers operating in your country. If you choose “*None*”, then after pressing the ► button you will be offered a list of available networks to choose from.

Server Address: DVR IP address

Server Port: 10510(default port)

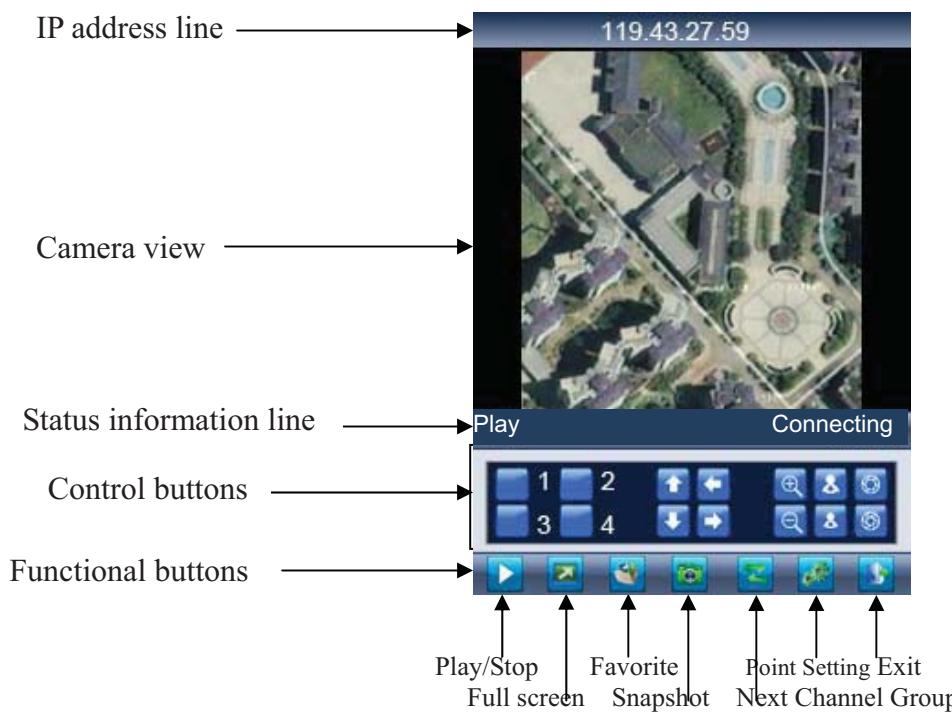
Username: Device ID of the DVR

Password: The password will be blank if password of DVR is disabled, and the password is the same as the DVR’s if password of DVR is enabled.

Save and return to the main window by pressing **Done**, or press **Cancel** to discard the changes.

Press the ► button to connect to the DVR. After your device successfully logs in to the DVR, you can watch the remote video feed on your Symbian mobile phone.

Execute the Mobile Eye program and the window will appear on the screen.



In order to navigate between the buttons, use the directional keys of your Symbian mobile phone.

Explanation of the menu buttons and program interface:

Play

Connecting

Status information line. The first status tag indicates the name for the selected functional button in the below control bar (in the illustration, it is “**Play**”). The second tag word denotes the current status of the program (in the illustration, it is “**Connecting**”).

Control buttons:



2 Select channels. If your system supports 8-channels, use functional button  to switch between channel buttons 1-4 and 5-8.



PTZ camera direction controls



PTZ camera Zoom, Focus and Iris controls

Functional buttons:

When highlighting these buttons, the name of the corresponding function will be displayed in the status information line (the first tag name).



Play / Stop

Use these buttons to play and stop the video.



Full screen

This function displays the camera feed in the full-screen mode. All menus and buttons will be hidden.



Snap

The function allows you to take a snapshot of the camera view.



Setting

The function brings up the connectivity setup screen.



Next Group

This function can toggle between two available 4-channel views: 1-4 5-8, 9-12 and 13-16.



This function allows you to exit the Mobile Eye program.

List of Symbian Supported Mobile Phones

Please review the list of Symbian mobile phones tested for compatibility with the remote access to DVR.

| | | |
|------------------------|--------------|-----------|
| LG-KT610 | S60 3rd_FP1 | 10-Feb-08 |
| LG KS10 | S60 3rd_FP1 | 09-Oct-06 |
| LG-KT615 | S60 3rd_FP1 | 30-Oct-08 |
| Nokia 3250 | S60 3rd_INIT | 13-Sep-05 |
| Nokia 5320 XpressMusic | S60 3rd_FP2 | 22-Apr-08 |
| Nokia 5500 Sport | S60 3rd_INIT | 09-May-06 |
| Nokia 5630 XpressMusic | S60 3rd_FP2 | 10-Feb-09 |
| Nokia 5700 | S60 3rd_FP1 | 29-Mar-07 |
| Nokia 5730 XpressMusic | S60 3rd_FP2 | 11-Mar-09 |
| Nokia 6110 Navigator | S60 3rd_FP1 | 08-Feb-07 |
| Nokia 6120 | S60 3rd_FP1 | 17-Apr-07 |
| Nokia 6121 | S60 3rd_FP1 | 18-Jun-07 |
| Nokia 6210 Navigator | S60 3rd_FP2 | 11-Feb-08 |
| Nokia 6220 | S60 3rd_FP2 | 11-Feb-08 |
| Nokia 6290 | S60 3rd_FP1 | 28-Nov-06 |
| Nokia 6710 Navigator | S60 3rd_FP2 | 16-Feb-09 |
| Nokia 6720 Classic | S60 3rd_FP2 | 16-Feb-09 |
| Nokia E51 | S60 3rd_FP1 | 18-Sep-07 |
| Nokia E55 | S60 3rd_FP2 | 16-Feb-09 |
| Nokia E60 | S60 3rd_INIT | 09-Oct-05 |
| Nokia E61 | S60 3rd_INIT | 09-Oct-05 |
| Nokia E61i | S60 3rd_INIT | 10-Feb-07 |
| Nokia E62 | S60 3rd_INIT | 09-Sep-06 |
| Nokia E63 | S60 3rd_FP1 | 12-Nov-08 |
| Nokia E65 | S60 3rd_INIT | 09-Feb-07 |
| Nokia E66 | S60 3rd_FP1 | 16-Jun-08 |
| Nokia E70 | S60 3rd_INIT | 09-Oct-05 |
| Nokia E71 | S60 3rd_FP1 | 16-Jun-08 |
| Nokia E75 | S60 3rd_FP2 | 16-Feb-09 |
| Nokia E90 | S60 3rd_FP1 | 11-Feb-07 |

| | | |
|------------------|--------------|-----------|
| Nokia N71 | S60 3rd_INIT | 09-Nov-05 |
| Nokia N73 | S60 3rd_INIT | 09-Apr-06 |
| Nokia N75 | S60 3rd_INIT | 27-Sep-06 |
| Nokia N76 | S60 3rd_FP1 | 08-Jan-07 |
| Nokia N77 | S60 3rd_INIT | 12-Feb-07 |
| Nokia N78 | S60 3rd_FP2 | 11-Feb-08 |
| Nokia N79 | S60 3rd_FP2 | 21-Aug-08 |
| Nokia N80 | S60 3rd_INIT | 09-Nov-05 |
| Nokia N81 | S60 3rd_FP1 | 29-Aug-07 |
| Nokia N81 8GB | S60 3rd_FP1 | 29-Aug-07 |
| Nokia N82 | S60 3rd_FP1 | 14-Nov-07 |
| Nokia N85 | S60 3rd_FP2 | 21-Aug-08 |
| Nokia N86 8MP | S60 3rd_FP2 | 17-Feb-09 |
| Nokia N91 | S60 3rd_INIT | 14-Apr-05 |
| Nokia N92 | S60 3rd_INIT | 09-Nov-05 |
| Nokia N93 | S60 3rd_INIT | 09-Apr-06 |
| Nokia N93i | S60 3rd_INIT | 08-Jan-07 |
| Nokia N95 | S60 3rd_FP1 | 26-Sep-06 |
| Nokia N95 8GB | S60 3rd_FP1 | 29-Aug-07 |
| Nokia N96 | S60 3rd_FP2 | 11-Feb-08 |
| Samsung I7110 | S60 3rd_FP2 | 20-Oct-08 |
| Samsung INNOV8 | S60 3rd_FP2 | 25-Jul-08 |
| Samsung SGH-G810 | S60 3rd_FP1 | 11-Feb-08 |
| Samsung SGH-i400 | S60 3rd_FP1 | 26-Apr-07 |
| Samsung SGH-i450 | S60 3rd_FP1 | 14-Oct-07 |
| Samsung SGH-i520 | S60 3rd_FP1 | 09-Oct-06 |
| Samsung SGH-i550 | S60 3rd_FP1 | 15-Oct-07 |
| Samsung SGH-i560 | S60 3rd_FP1 | 16-Oct-07 |
| Samsung SGH-L870 | S60 3rd_FP2 | 28-May-08 |

8.3 Apple iPhone

1) MobileEye installation

Open iPhone App store “” as follows:



Fig 1

① Click “” button and search for “MobileEye”. It is a free application.



Fig 2

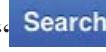
② Click “” and you will see following screen.



Fig 3

③ Click “Free” as shown in Fig 3. It will display the screen shown in Fig 4. Click the “install” button shown in Fig 4 “Install” and it will display the screen shown in Fig 5. Input your Apple account password, then click “OK”. The screen will look like the one shown in Fig 6.



Fig 4



Fig 5



Fig 6

“”waiting: indicates that the “MobileEye” software is downloading When the “” process bar display “” status, the MobileEye software has finished installing.

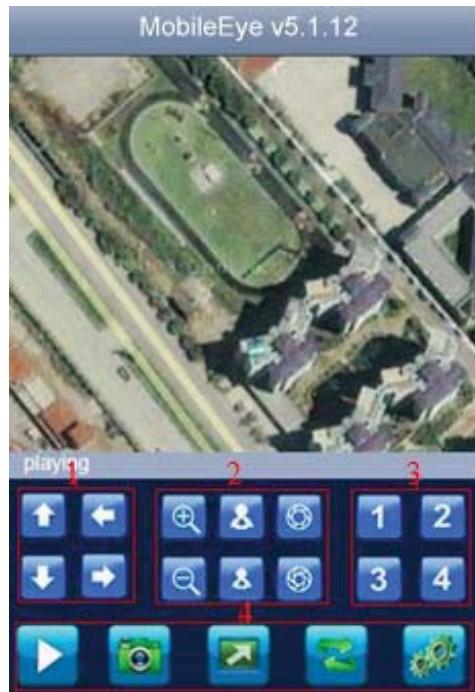
After installing “MobileEye”, the iphone screen will display the screen shown in Fig7.



Fig 7

2) How to use MobileEye

- (1) Click the “MobileEye” icon to open the “MobileEye”.



- ①PTZ arrow control(up down left right)
- ②PTZ lens control(zoom+, zoom-), (focus+, focus-), (iris+, iris-).
- ③Select the live view channel.
- ④Shortcut key, including pause, capture, full screen, next channel grouping and settings.
- ⑤Exit

(2) When you enter the Setting menu, the window below is shown:

- ①Server IP: DVR Internet address.
- ②Port: Default 10510.
- ③User name
- ④password



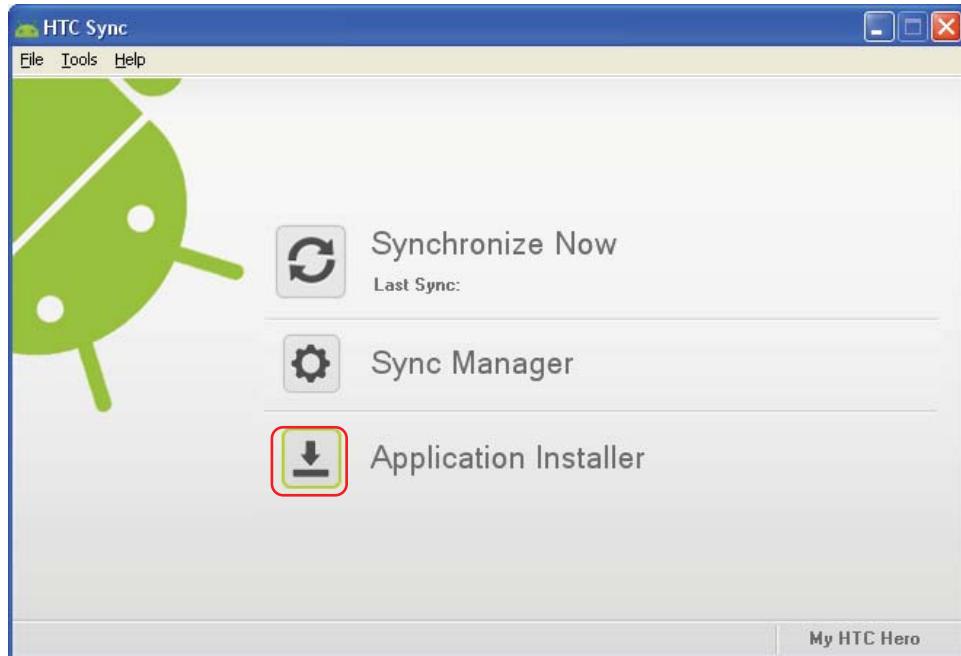
8.4 Andriod Mobile

1). Install the program

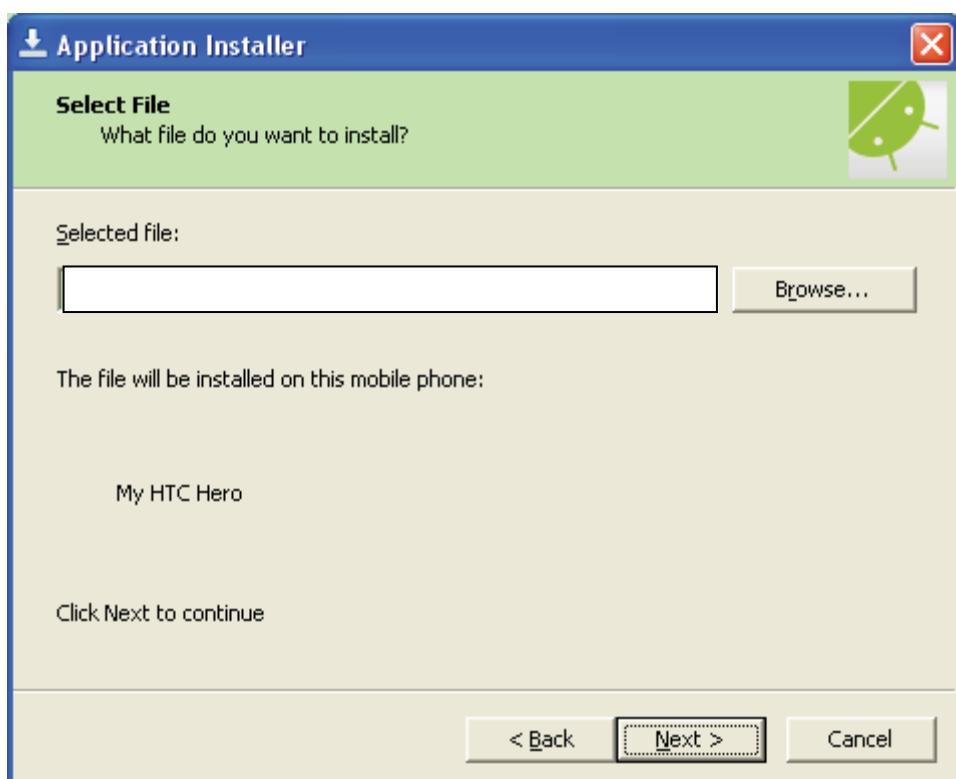
1. Copy the setup software “**Mobile Eye-Android.apk**” to your computer.
2. For instructions on installing software onto your mobile phone, please refer to the phone’s user manual.

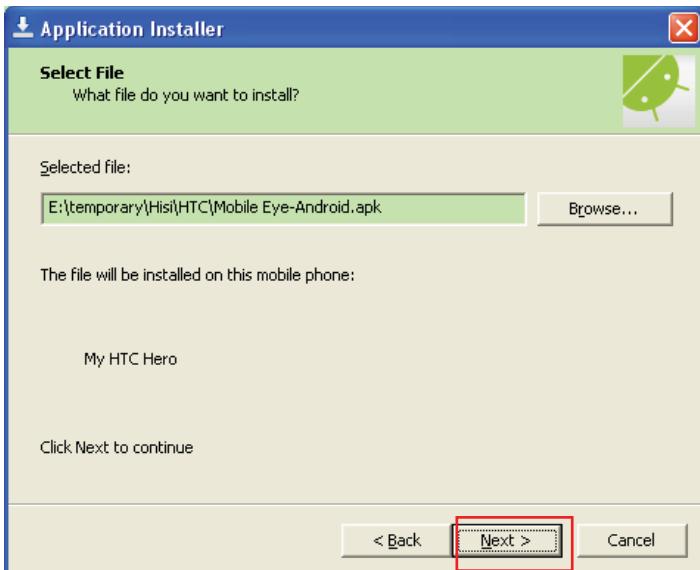
Note: Prior to using this feature, you should apply for an Internet connection service for your mobile phone, such as 3G or 2.5G. Please contact your mobile service provider for details.

3. Install a HTC manager “**HTCSync.exe**” on your computer. Otherwise the phone cannot establish the connection with the PC.
4. Connect HTC mobile telephone to your computer through USB cable. Run the program “**HTC Sync**”.

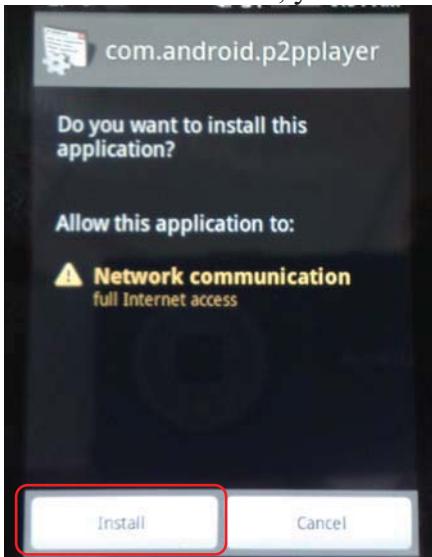


Select option “Application Installer” and click the left mouse, then the user can find the setup file; install “**Mobile Eye-Android.apk**” on your mobile telephone according to the following method.

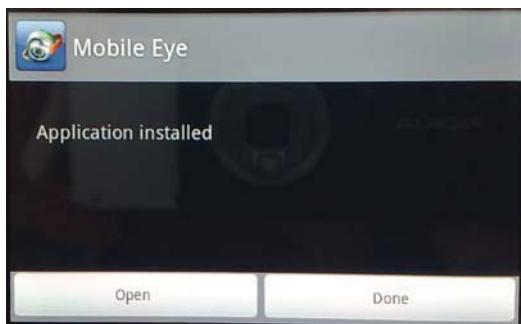




Please ensure that if asked, you allow the application access to the internet.



When application has finished installing, your phone may show the following screen.



2). System explanation

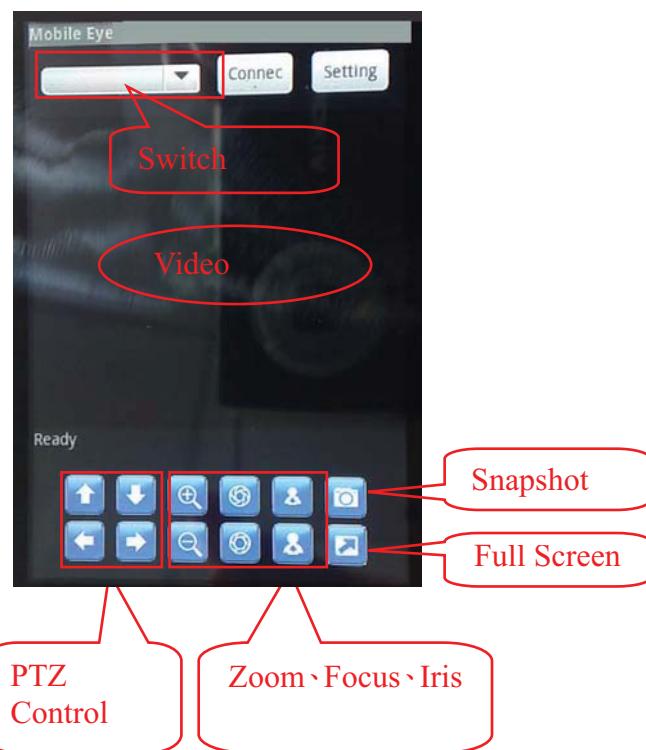
Mobile Eye application mainly allows: live video surveillance, channel switching, full screen viewing, PTZ control, focus, and image capture, save as favorite and exit function.

2.1) System main interface

After the installation, select the “Mobile Eye” icon in the application, see below picture:

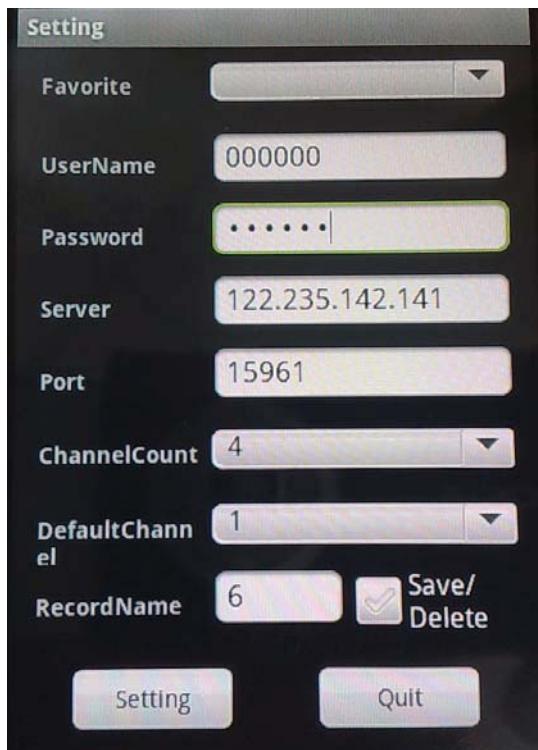


Below is displayed the main start page of the application:



2.2) System setting interface

Press the [setting] button to access the parameters settings. You will need to use this for the first time you use the system and later if you want to change the parameters of the system.



Save as favorite:

Save settings for future usage;

User name:

The device ID which is set on DVR [phone surveillance];

Password:

The user password which is set on DVR [phone surveillance];

Server:

The public IP address or dynamic domain name of DVR

Port:

The server port which is set on DVR [mobile phone]—default is “10510”.

Channel Count:

Set the number of channels accessible from the DVR

Default channel:

Set the default channel shown when connected to the DVR.

Record Name:

Save the name of the record.

①After changing your settings, press [SAVE] to save the information in your designated folder.

Later you can find the record in the file.

②After saving your settings, press [setting] to return to the main interface.

Next, press “connect” button on the main interface and then it will connect the server. You can also switch the channel, PTZ control, including zoom/iris/focus, phone capture and full screen display in this menu.



See below for more details:

- Connec** : Press this icon to connect to the DVR
- Setting** : Press this icon to open the settings menu
- 4** : Change live view channel.
- ↑ ↓ ← →** : Use the arrows to move the PTZ up, down, left and right.
- 🔍🔍🌀🌀👤👤** : These icons operate the zoom, focus and iris.
- 📷** : This function will capture the current viewed image.
- ⤢** : Press it to enter into full screen mode, press it again back to the common mode.

8.5 Blackberry Mobile

1) Program installation

1. Copy the setup software “MobileEye.cod” and “MobileEye.alx” to your PC.
2. In order to be able to install applications and themes via BlackBerry Desktop Manager, firstly the PC should install BlackBerry Desktop Manager. BlackBerry Desktop Manager will be known as “DM.”; otherwise the phone cannot establish the connection with the PC.
3. Connect your BlackBerry mobile phone to your computer via the USB cable that came with it, or any USB cable that fits. Start the DM.
4. Before the installation, open the BlackBerry Desktop Manager. Shown as the red sign on the following pictures, Fig1 means the phone isn’t connected to the PC, Fig2 means the phone has been connected to the PC.

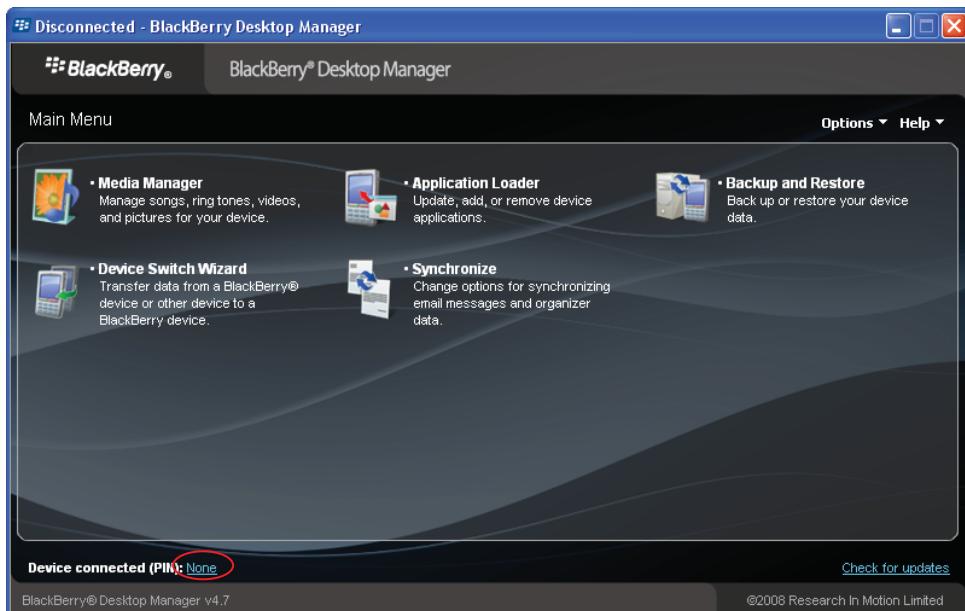


Fig1

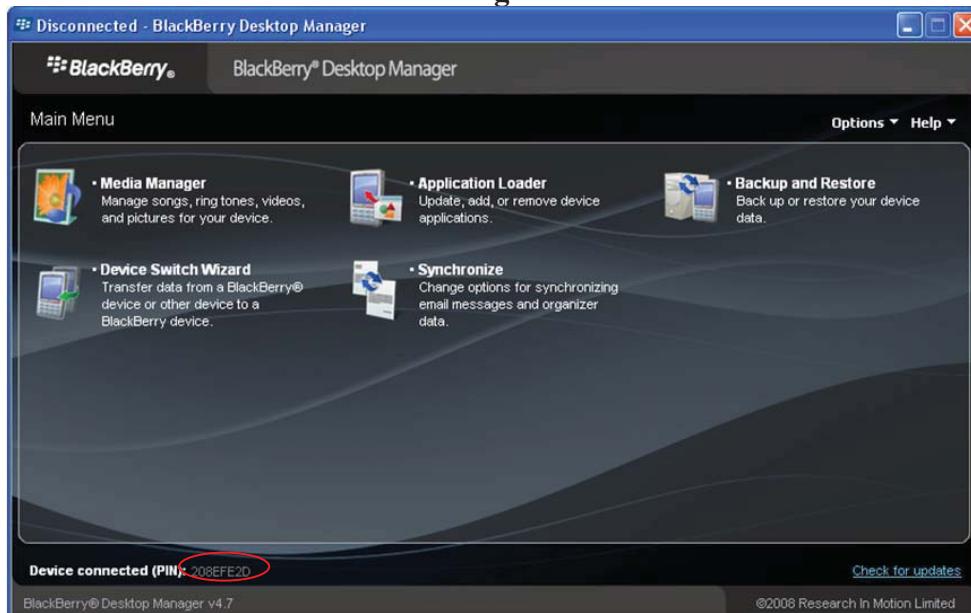
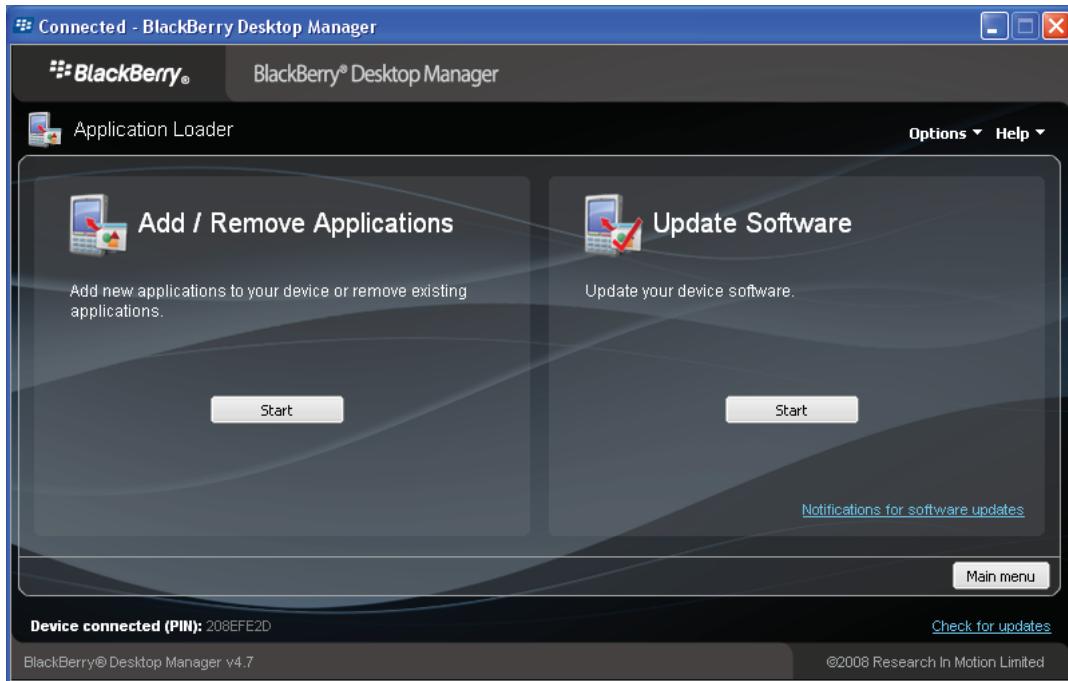
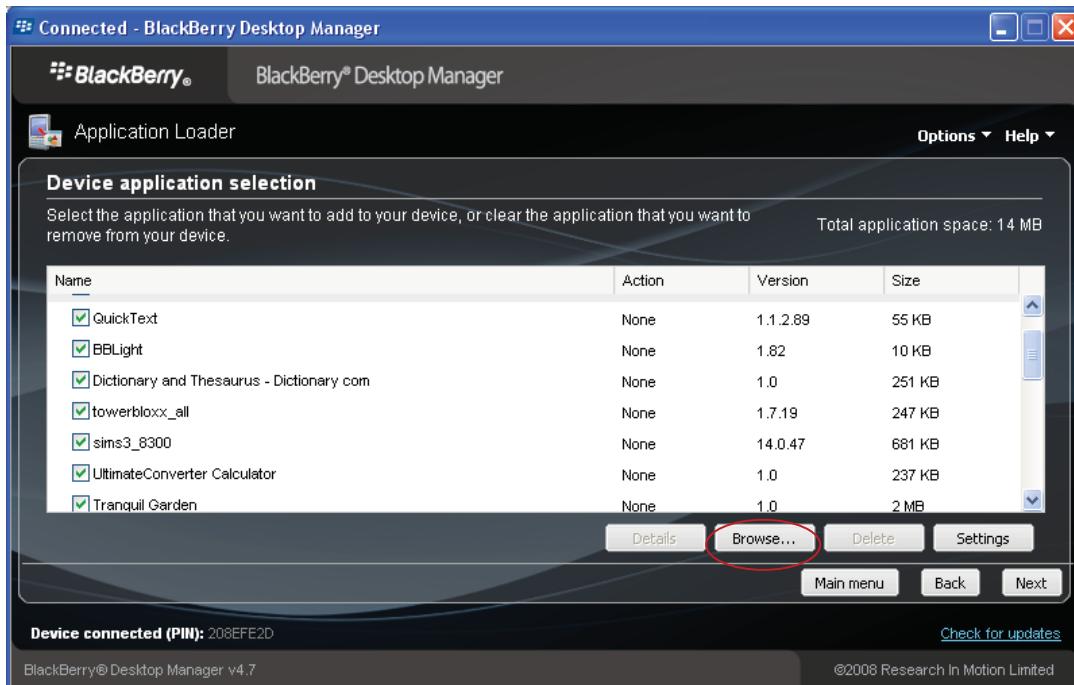


Fig2

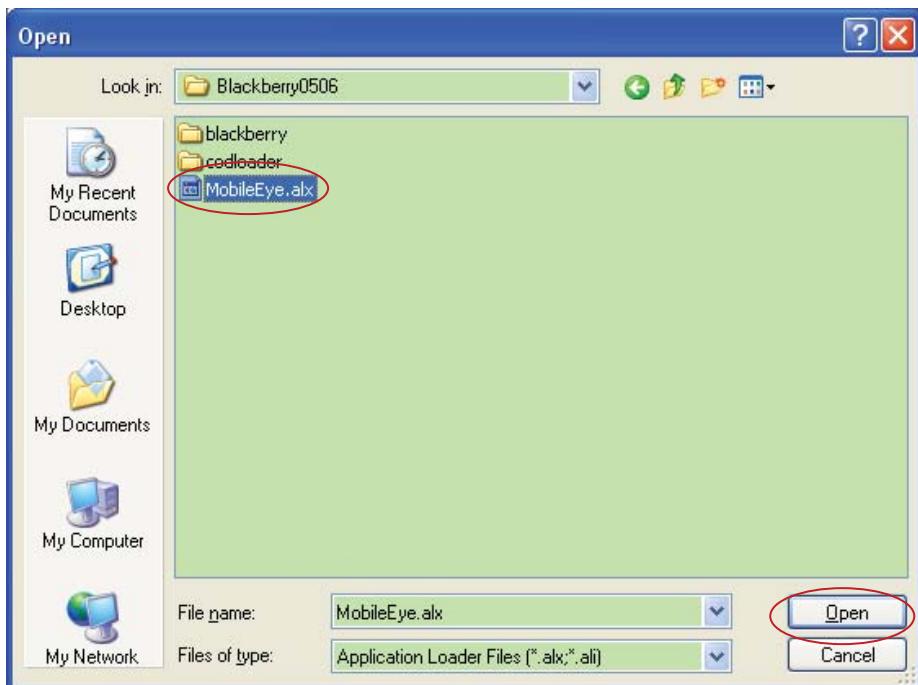
5. Click on “Application Loader” to enter into its interface. In this screen you have two options to select from. Select “Add/Remove Applications” (shown as follows).



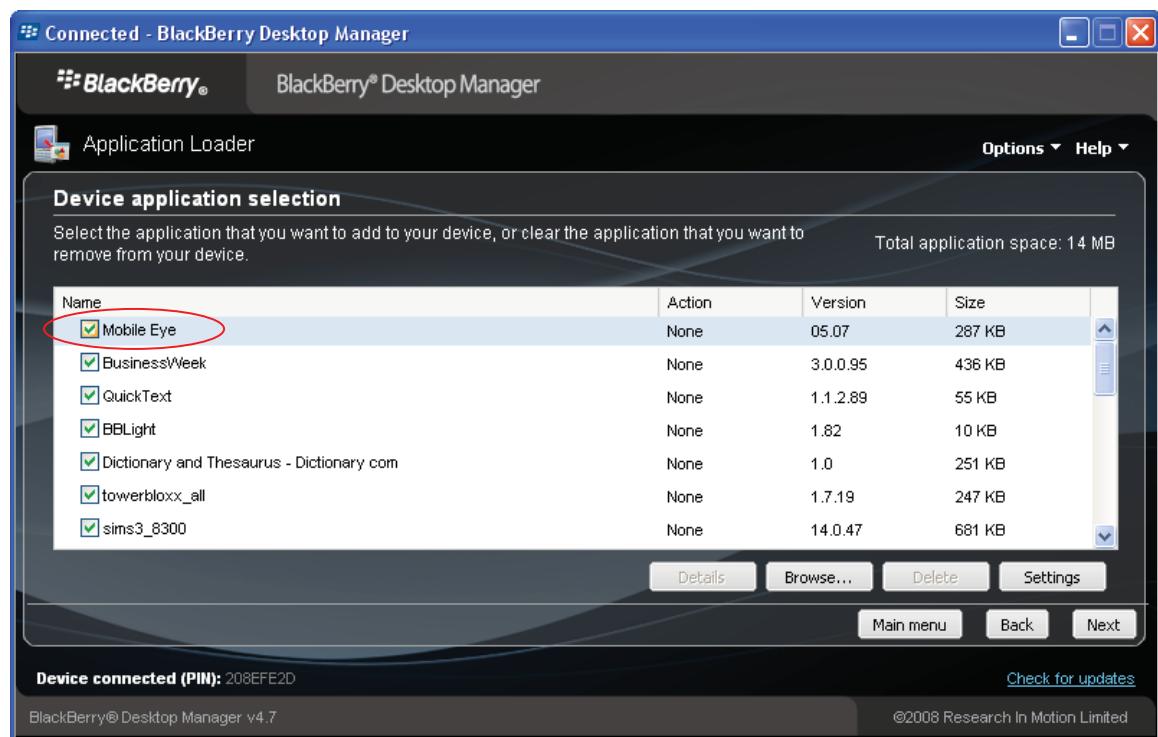
6. You should now see something like what you see below. From this screen, click “Browse” (shown as follows).



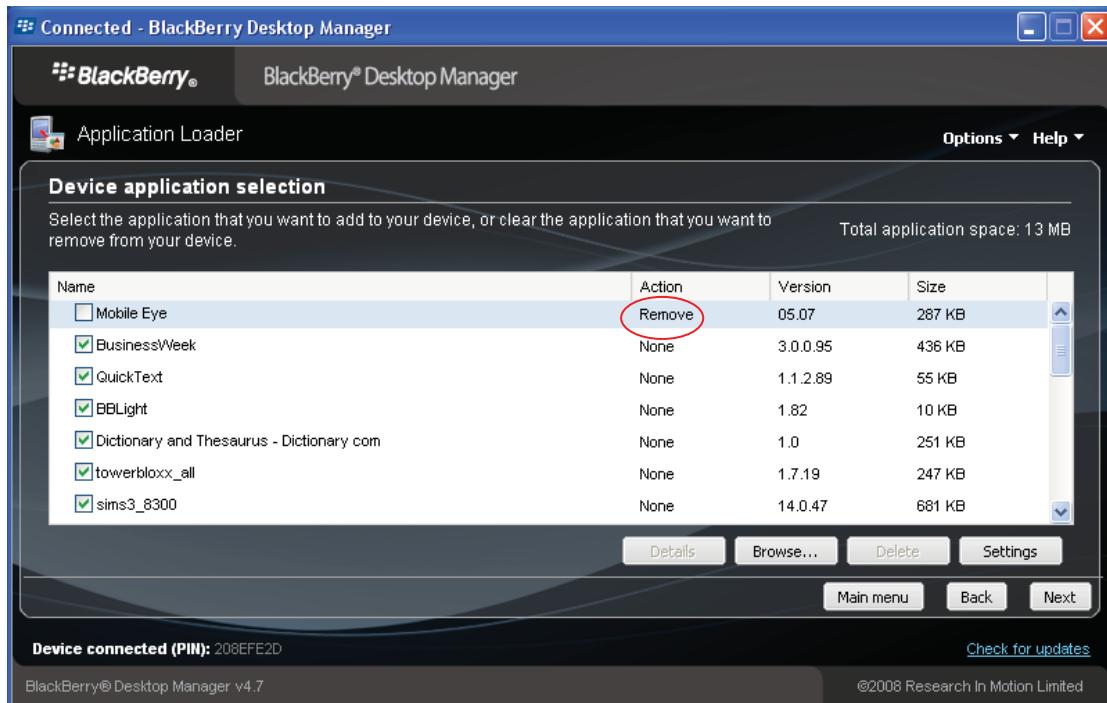
7. Once you click “Browse” you will see a file search screen like the one below. Go to and locate where you saved the application files. Make sure you saved both the “.alx” file and “.cod” file in the same folder. After finding the “MobileEye.alx” file for the application, highlight it and click “open”.



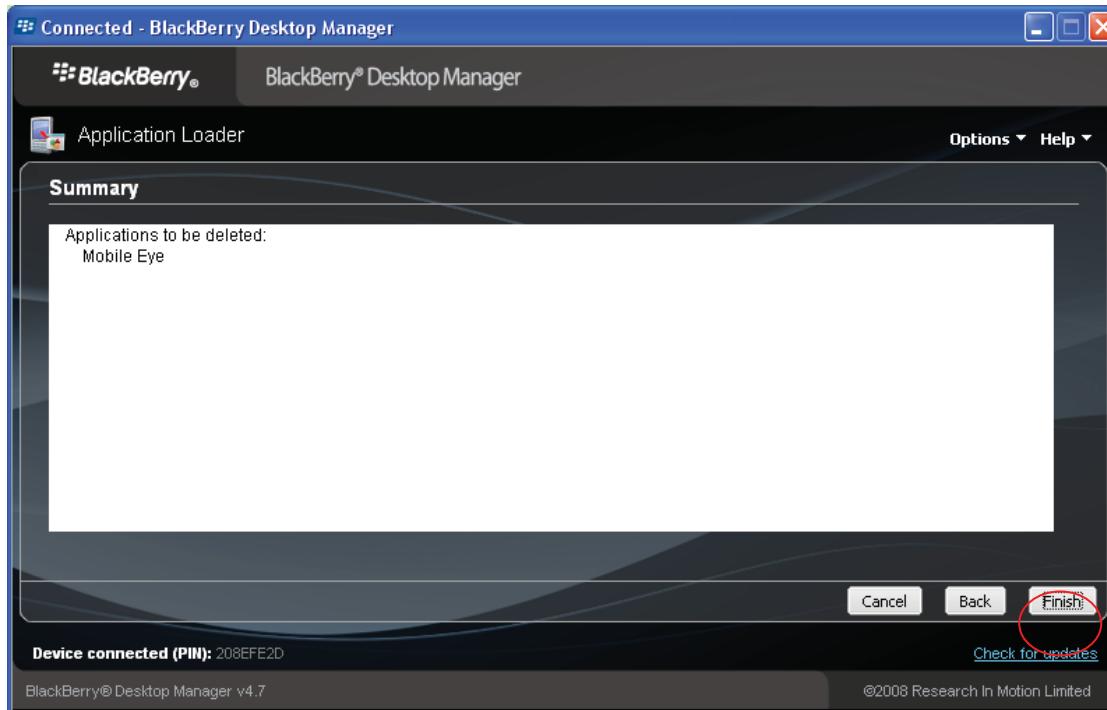
8. You will now return to the Application Loader screen. From here you should see “MobileEye” now listed with Install under the Action column (shown as follows) if the installation is successful.



9. You can remove the program “MobileEye” as the following method. To enter into Application Loader screen, on “Device application selection” you can select the application that you want to clear from your device. When the option “Action” is “Remove”, it means the program will be clear from your device.



10. Click “Next” and the screen will show as follows. Click “Finish” to confirm and the application “MobileEye” can be removed from your device.



2) System explanations

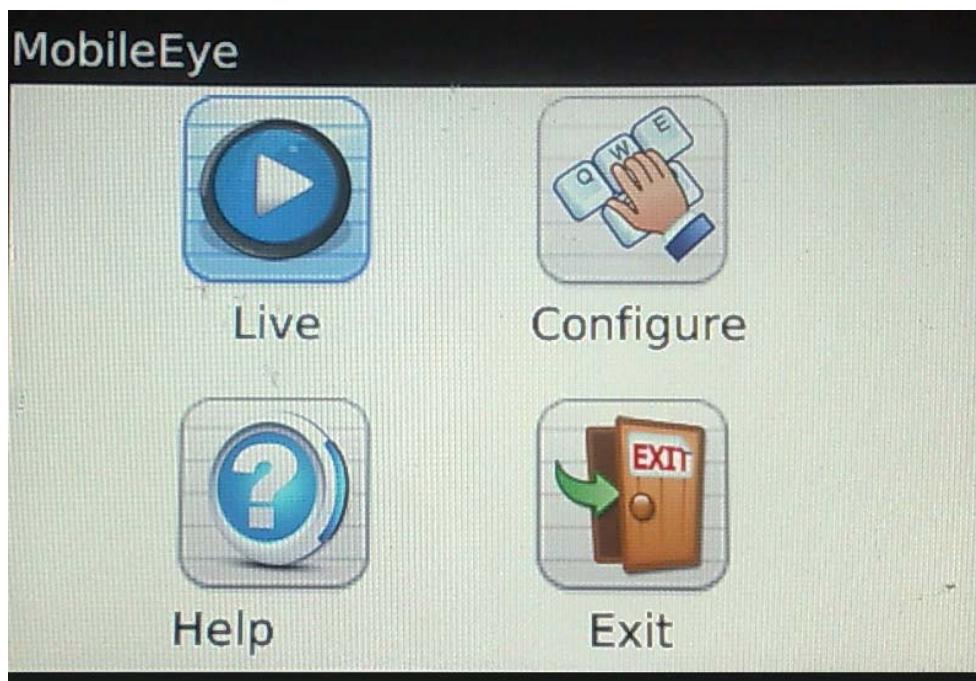
MobileEye phone port has the following capabilities and functions: live video surveillance, channel switch, full screen display, PTZ control, including zoom/focus/iris, image capture, save as favorite and exit function.

① System main interface

After the installation, press “MobileEye” icon in the application, see the below picture.



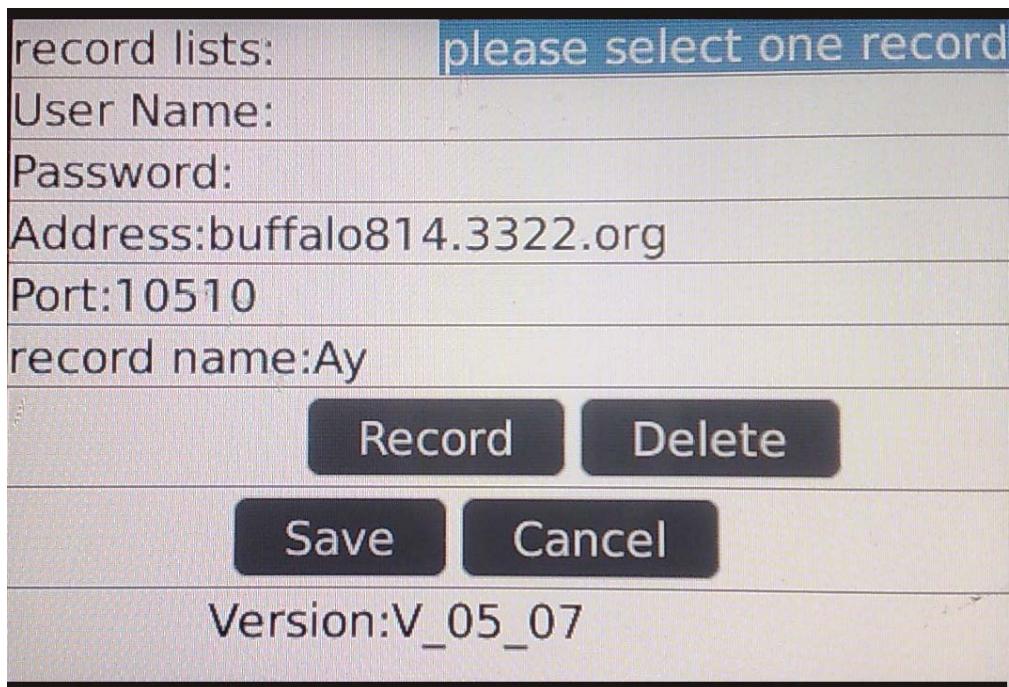
Open the main interface, see the below picture.



② System configure interface

Press [Configure] button to access to the parameters setting when using for the or as needed to change the settings. Modify your parameters as necessary.

Please see the below picture:



Record lists:

The record which is saved can be found here;

User name:

The device ID which is set on DVR menu [phone surveillance];

Password:

The user password which is set on DVR menu [phone surveillance];

Address:

The public IP address and dynamic domain name of DVR.

Port:

The server port which is set on DVR menu [mobile phone]. Default is 10510.

Record name:

Save the name of the record. After the setting press [SAVE] then it will go to the favorite folder.

Next time you can find the record in the file.

Save:

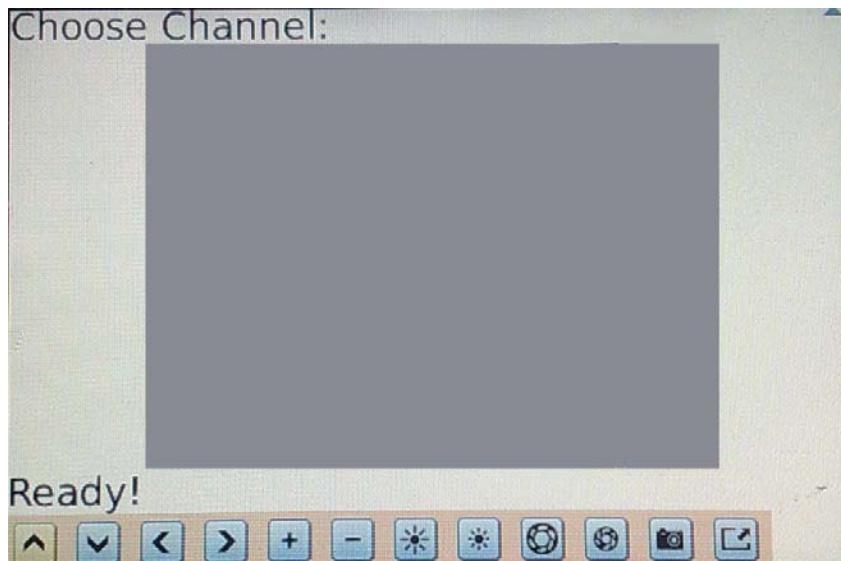
Save the settings.

Cancel:

Cancel all operations.

③ System Live interface

After changing your settings, press [Save] or [Cancel] button to return to the main interface, and press [Live] button to enter into the surveillance condition, please refer to the below picture:



See below for more details:

Choose Channel : This function switches the channel. It may only be enabled AFTER connecting to the DVR.



: This function moves the PTZ up, down, left and right.



: This function operates the zoom, focus and iris.



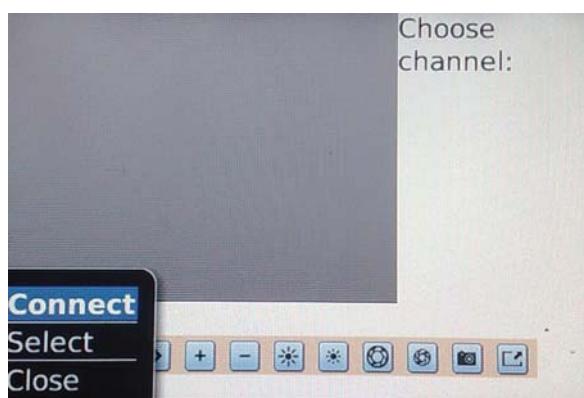
: Press it to enter full screen mode, press it again to go back to common mode.



: Use this function to capture images.

④ Connect to DVR

To connect to the server, press the menu button on your mobile phone it will bring up menu as follows. Move the icon to “Connect” and it will be highlighted. Press the enter button on your mobile to connect to the server.



In the interface the user can switch the channel, PTZ control, image capture and full screen display, please see the below picture:



⑤System Help interface

After the setting, back to the main interface and press [Help] button to enter into the help interface.

⑥System Exit interface

To exit, go back to the menu interface and press [Exit] button. You will be prompted “Do you want to exit?” Press “yes” to exit the program, or press “no” to return to the Menu interface, please see the below picture:



3) Familiar questions and their answers

1 : Why can't it connect to the server?

A: Check that the server, port, user name, password settings are correct.

B: Make sure the mobile phone is connected to the Internet.

2 : Why can't I control the PTZ after entering into the main interface?

A: Check if the channel is a PTZ camera and properly set up.

B: The PTZ might take a few moments to load; please be patient.

Troubleshooting

This basic troubleshooting guide will help you identify general malfunctions and offer steps for quick resolution of such.

If the failure or malfunction can't be solved by following these steps, please contact a qualified technician.

1. DVR is not working after starting. What happened ?

- ⊕ Check the adaptor input.
- ⊕ Check the on-off power line, is it well-connected?
- ⊕ Check the power on-off.
- ⊕ Check the upgrade procedure.
- ⊕ Check the main board of DVR.

2. What if DVR is rebooting automatically or stopped after starting the DVR for several minutes?

Check for the following problems:

- ⊕ Instability or low input voltage.
- ⊕ Bad track hard drive or the line of hard drive is bad.
- ⊕ On-off power supply is not enough.
- ⊕ High temperature, too much dust, or other factors affecting the DVR's operating environment.
- ⊕ The main board is not well-connected with other boards.
- ⊕ The hardware of DVR is defective.

3. What if there is no output of single channel, multi channel or all channel video?

- ⊕ Check the adaptor of camera whether to see if it is well-connected.
- ⊕ Check the cable for connecting video input/output in the back panel of DVR.
- ⊕ Insert the video source directly into the display device and check if they are causing the problem.
- ⊕ Check the brightness of the picture and bring it back to its original default setting.
- ⊕ Check if there is no video input signal or too weak.
- ⊕ Make sure the display settings in the preview set to be closed or not.
- ⊕ The hardware of DVR could be defective.

4. What if DVR cannot record after startup and the interface is showing " "?

- ⊕ Make sure power adaptor is DC 12V.

- Make sure HDD is formatted.
- Check the power and data connection cables of the HDD.
- The HDD could be defective.
- The SATA port may be not working.

5. What if the DVR is having problem with real-time images, such as bad image color or serious brightness distortion

- If PAL or NTSC is not correctly selected on the BNC output, the images will be in black and white.
- Make sure the DVR is compatible with monitor.
- Make sure the video transmission distance is too far.
- Try adjusting the setting of DVR color, brightness and so on.

6. What if there is no sound when monitoring?

- Check the sound box or speaker functions. Also check for possible short circuiting problems.
- Audio source may be connected to the video channel. You can click to full-screen to check.
- The hardware of DVR could be defective.

7. What if there is no audio sound when playing back?

- There may be setting problem: open audio-video item and check your settings.
- Check the audio to see if it is closed in playback interface.

8. What if the system time is not correct?

- The wrong setting might be selected. Make sure to click “” to confirm changes.
- The battery may not be connected properly.
- The battery might be dead. Please change the battery.

9. After right clicking “Stop recording” on the tool bar, the recording does not stop.

How do I stop recording?

- The “Stop recording” by the right mouse button is only suitable for Manual recording. It can’t stop recording when it’s in “start recording” or the video in video plan.
- If you want to stop recording, please set the time is not recording.

10. What if motion detection is not working?

- The setting of motion detection area is not correct.

- ⊕ Check the sensitivity of the motion detector. Maybe the sensitivity is too low.

11. What if the remote control cannot work?

- ⊕ The address of remote control may be incorrect.
- ⊕ The distance of remote control may be too far or the angle may be too large.
- ⊕ Check the remote control batteries
- ⊕ Make sure that the remote control is not damaged or the front panel of the DVR is not damaged.

12. Why can't login to the WEB?

- ⊕ Please check the network to see if it is connected. Check if LINK or 100M LED is displayed normally on the panel; use ping xxx.xxx.xxx.xxx (DVR IP) to check if the Internet is linked properly.
- ⊕ Recommended to use Windows XP or Vista operating system, also use IE6.0 browser or IE7.0 browser.
- ⊕ ActiveX control has been blocked. Please manually reinstall ActiveX control.
- ⊕ Please install DX8.1 and upgrade your video card driver.

Appendix 1 Setting up Internet Connections for Remote Access

This section will explain the ways to connect your DVR to the internet using static and dynamic IP addresses. To connect to the internet, you will need to use a modem and a router.

As a network device, your DVR should have its own address called an Internet Protocol (IP) address. This address can be used by other network devices (ie. computers) to access the DVR to remotely monitor the CCTV cameras and change settings. You can get a static IP address from your internet service provider – this way you will always have the same address at all times, though this method is rather expensive. If you have a static IP, enter your static IP in the DVR settings and the router will connect your DVR to the internet.

You may alternatively choose to use dynamic IP, which means that the IP address of your DVR may frequently change, but it will still be possible to find your DVR from remote computers, by using DDNS (Dynamic Domain Name System) which dynamically assigns IP addresses to the DVR. This functionality allows the DVR to automatically update its IP address to the DDNS Server each time its Dynamic IP address changes. Your DVR is equipped with the DDNS functionality and has a list of related domain names through which you can acquire an IP address. (See **Section 5.5.2** for details.)

Setup an account with a DDNS service provider and with the account information available, login to the router and go to the DDNS page. Select the address of your service provider and type in the account password. After saving, the router will send IP updates to your DDNS account and the connection will always be forwarded to your current IP.

Appendix 2 Compatibility Table for HDDs

Please find below the list of tested Hard Disk Drives, found to be compatible with the DVR. If you want to use a HDD not found in this list, please test it for compatibility before use.

| Brand name | Model Number | Size (GB) | Drive |
|------------|-----------------|-----------|-------|
| WD | WD7500AAKS | 750 | SATA |
| WD | WD10EACS | 1000 | SATA |
| WD | WD10EARS | 1000 | SATA |
| WD | WD5000AADS | 500 | SATA |
| WD | WD10EARS | 1000 | SATA |
| HITACHI | HDS721010CLA332 | 1000 | SATA |
| Seagate | ST3500418AS | 500 | SATA |
| Seagate | ST31000340AS | 1000 | SATA |
| Seagate | ST31000528AS | 1000 | SATA |

Appendix 3 List of Compatible Portable USB DVD Recorders

Please find below the list of tested portable USB DVD recorders found to be compatible with the DVR. If for backing up your data from the DVR, you wish to use a DVD recorder not found on this list, please test it for compatibility.

- ASUS DRW-2014S1
- Pioneer DVR-XD09C

Appendix 4 How to access DVR through Firefox browser

1. Please install Firefox on Windows (This document will make Firefox 3.6 as an example)
2. After installing Firefox, search for additive file for IE TAB, and this file is named “ie_tab_plus-1.95.20100930-fx+sm(IE Tab Plus (FF 3.6+).xpi” **(This file can be loaded from relevant website)**
3. The method to install: Double-click Firefox, open “Tools”, select “Add Discreteness” and there will be a dialog. Then choose tab which is named “Get Accessory Discreteness”, drug “ie_tab_plus-1.95.20100930-fx+sm(IE Tab Plus (FF 3.6+).xpi” to the window, a dialog will prompt you to install or cancel and you can choose “Install immediately”. After installing, restart Firefox Browser.
4. Open Firefox Browser, connect DVR IP
5. Right-click mouse at blank, select item named “Use IE TAB Plus to play this Page” and choose “Switch browse engine”, then you can connect DVR successfully.

Appendix 5 How to access DVR through Chrome browser

1. Please install Chrome browser on Windows (This document will make Chrome browser

7.0.517.36 as an example)

2. After installing Chrome browse, search for additive file for IE TAB, and this file is named “extension_1_4_30_4.crx”. **(This file can be loaded from relevant website)**
3. Open chrome browser, fill in the IP address of your DVR into address bar, enter it and it will be showed as below Fig.



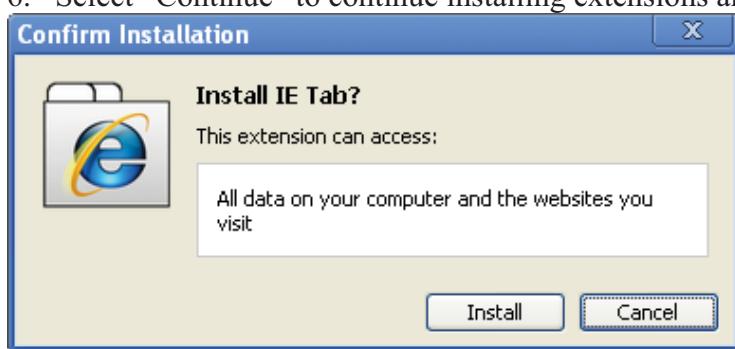
4. Drag additive file into browse interface and the interface will show as follow.



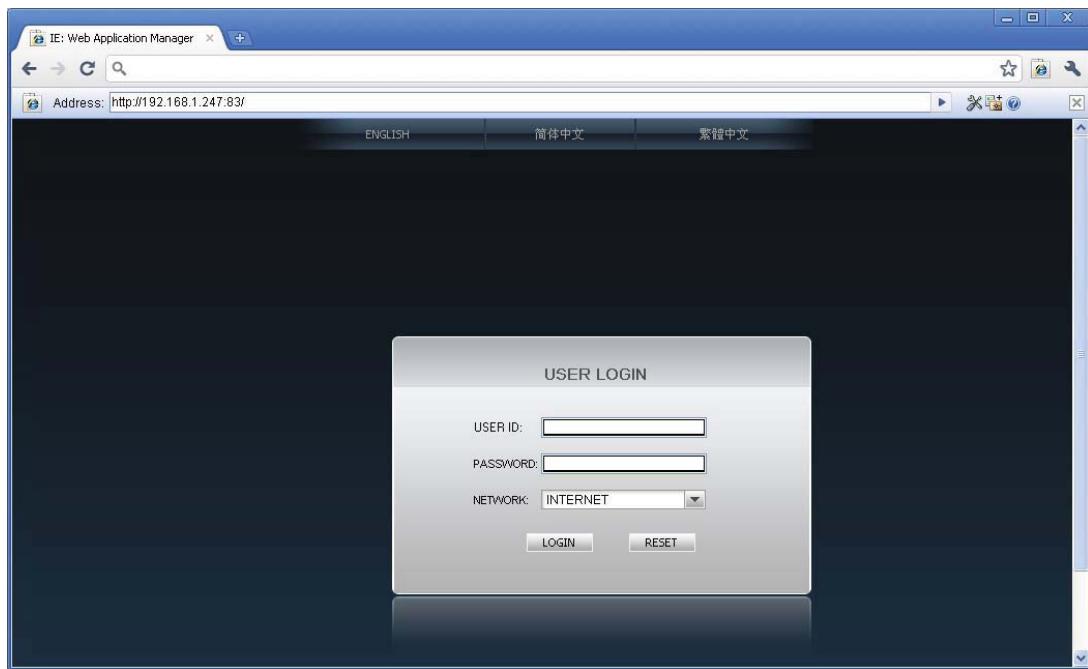
5. Select “Allow” to download multiple file and the interface will show as follow.



6. Select “Continue” to continue installing extensions and the interface will show as follow.



7. Click “Install” and the interface will show as follow. If it



Note: If the web page still can not open, you can press the icon "on the right hand to display this page in an IE based-tab.

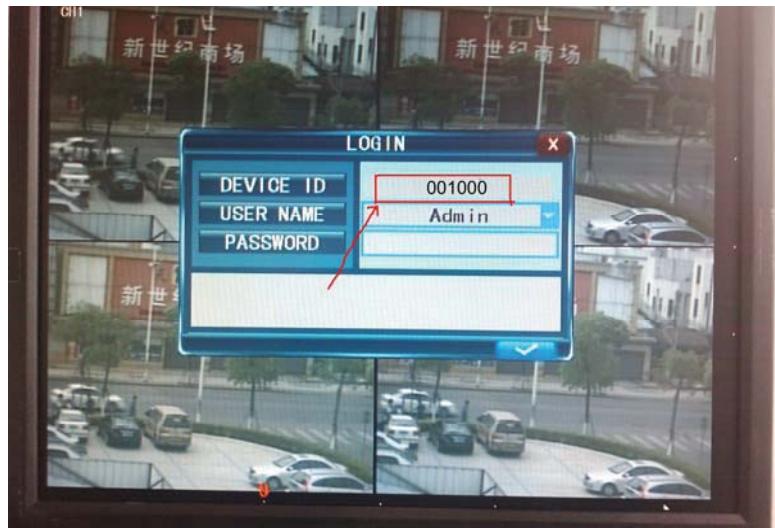
8. Fill in your correct user name and password to login.



Appendix 6 How to use Auto ID

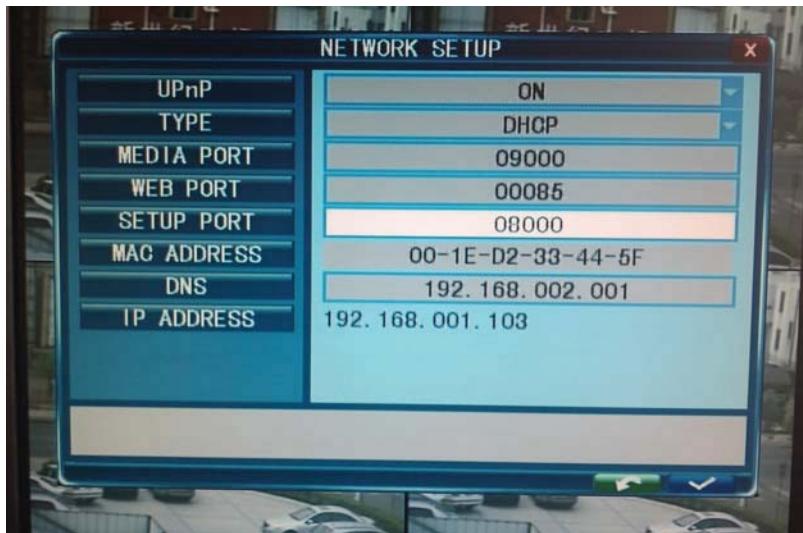
"Plug n play" Quick Guide

1. The ID number of the product has been set up in the factory. Click [tool bar]—[system setting]—[user] , The screen will display user manager menu, and you will see the ID number. As following:

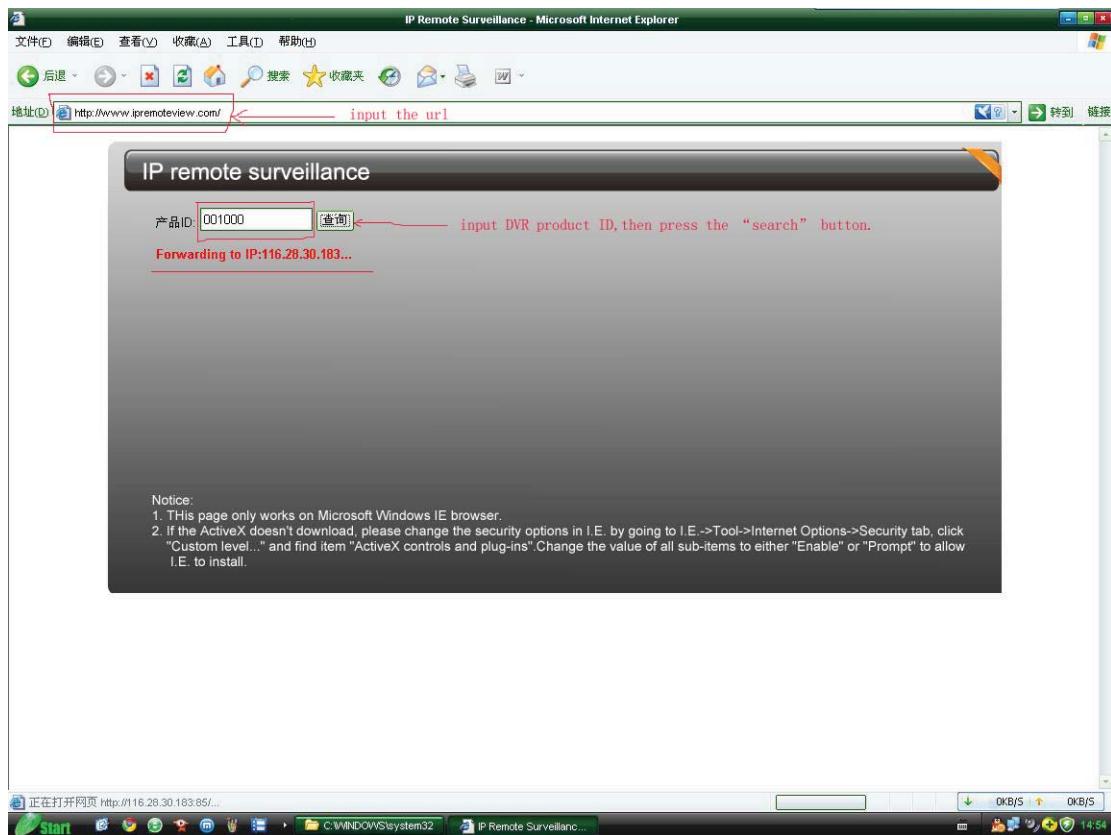


2. Then open the menu, click [Network]—[Other settings]—[Auto ID], to open the Auto ID.

3. About using the router to search internet. At first you should mapped the transmit codex of the router's port. Or open the UPNP, then the router will mapping the port automatic.



4. When the network has been connected, in the anther independence INTERNET circumstance, input the address: <http://www.ipremoteview.com> in the IE at your PC. And then input the ID of the DVR into the product number as below to search. When finished succeed, the screen will display the IE monitor menu of DVR.



5. After the page layout connected succeed. It will switch to the IE interface self-motion. As following.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. No change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

Statement

- ① If there is any doubt or disputability in manual, you can call on our company and take its plain as authority;
- ② This manual provide reference for seviral types machine and you can contact with our customer service department if you have any difficulty;
- ③ There maybe some different description with real device as our products are upgrading all along. Please forgive us for not informing latest updating.