

DNVR (Digital Network Video Recorder)

USER MANUAL

Before using this system, please read the user manual carefully.

Attention:

- *Don't use the system at place with high humidity or dust or dirty
- *Avoid direct sunshine or being heated
- *Leave the system away from magnetism objects.
- *Avoid high or low temperature (recommended temperature range: 5°C-35°C)
- *Close the system before installing the hardware and software
- *Don't place the system at the place where will cause shaking
- *Please use it at the aeration place.
- *Radio, television or wireless communicate device could cause damage to the system.
- *Don't dismantle the system by yourself freely.
- *Don't put heavy object on the system.

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Capture 1. Product overview

1. Products features

- Run under Windows xp OS;
- Techwell 6802 chipset 10-bit ADCs image quality
- Lightning-Proof design;
- Different card could mix together ,7130,6802 chipset could mix to work together at the same time.
- Adjust the resolution for any channel, and can be applied for others channels;
- Snapshot the dynamic picture or static picture while playback;
- Display, record, playback, control, backup can be done simultaneously;
- Snapshot picture for single frame or snapshot picture for all frames while live displaying;
- Motion detection, alarm function;
- Support different types of high speed camera, PTZ controller and alarm decoder
- High quality network transmitting function;
- Remote view, playback, PTZ control, through Wan or LAN
- Search by the date, time, location, alarm period, snapshot pictures.
- Complete automatically operation: user can set record schedule for each camera within all the periods of each week; and the system will record according to the schedule.
- User can set alarm activation schedule for each alarm sensor within all the periods of each week, the alarm sensor will activate according to the schedule.
- User can set motion detection for each camera within all the periods of each week, and the motion detection will activate according to the schedule.
- Circularly switch function; Can set single channel or multi channels to switch circularly
- User-friendly interface, it is easy for user to operate it
- The system will show hard disk is full if the hard disk will up to the capability

2. Hardware requirement

- RAM: 256MB or above
- Display card: ATI128MB or above,Geforce2 MX400 128MB or above
- CPU: Celeron D2.8 G or above or Intel P4 2.4 G or above

- Resolution of monitor: 1024*768(32bits color)
- HDD: IDE, SATA,SCSI, 80GB or above
- Motherboard: Intel Chipset 865/915/945

3. **Software requirement**

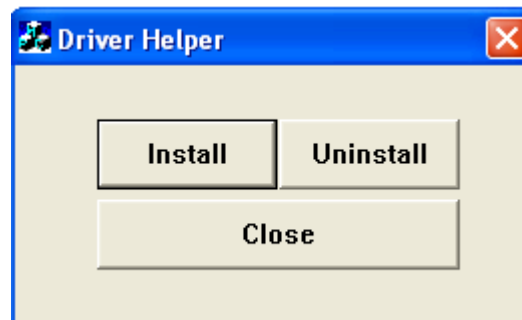
- Professional Windows 2000/Windows XP SP2
- Directx 9.0
- The latest driver for display card

Attention: before installing the driver of display card, please install the driver of motherboard; otherwise it will affect the function of display card and video surveillance system

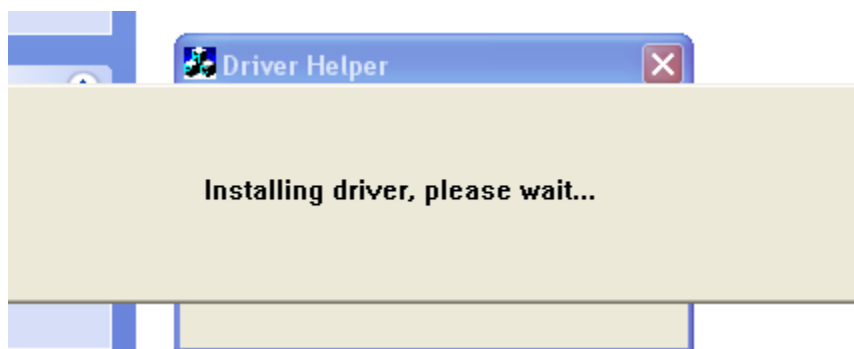
Capture 2. Install the system

2.1 Install driver

2.1.1. Copy all files of CD to your pc, find the file named" driver helper", click it, you will get following icon:



2.1.2. Press "install" button, you will get following icon:



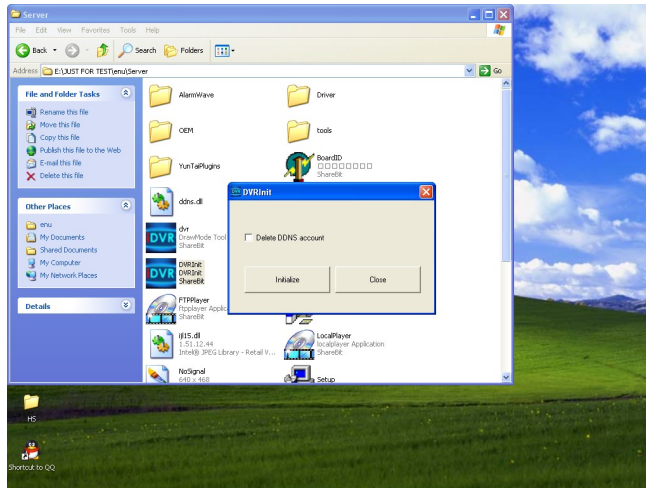
2.13. Wait for about 10s, the icon of "installing the drivers, please waiting...." will disappear automatically. It indicates driver installation is finished.

2.2 Install Software

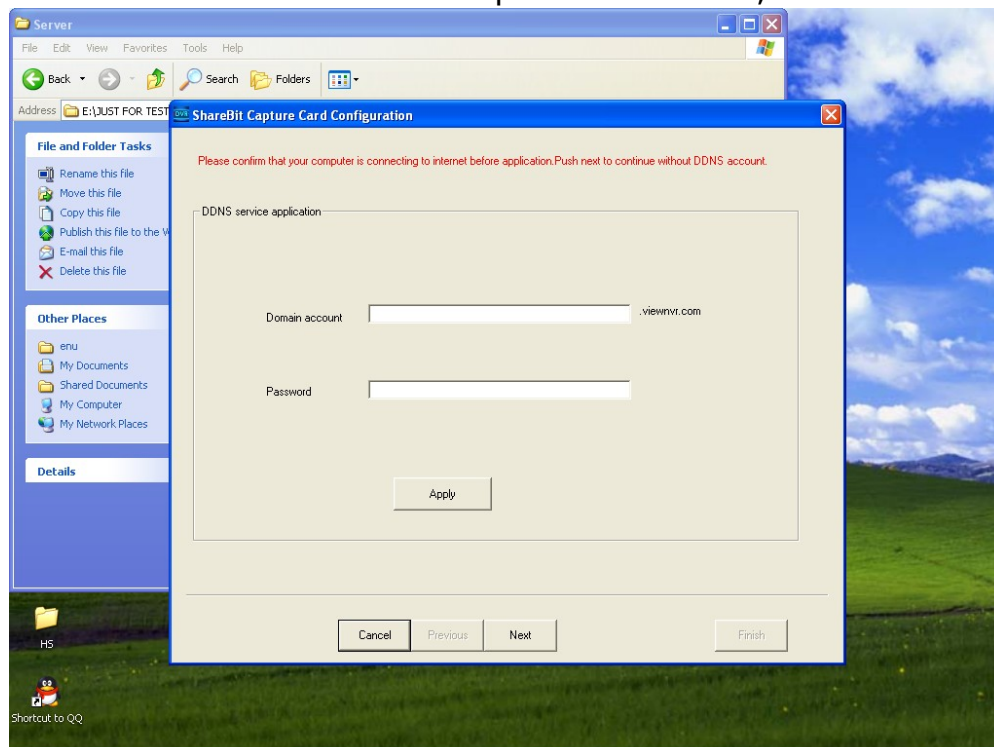
For this system, user can save time to install the software.

From the files which user copy from CD to pc, find the "dvr.exe" under server folder, double click it, the system will start to run

2.2.1 You could choose to delete DDNS ,the picture as follow



Enter the domain name in the picture as follow,

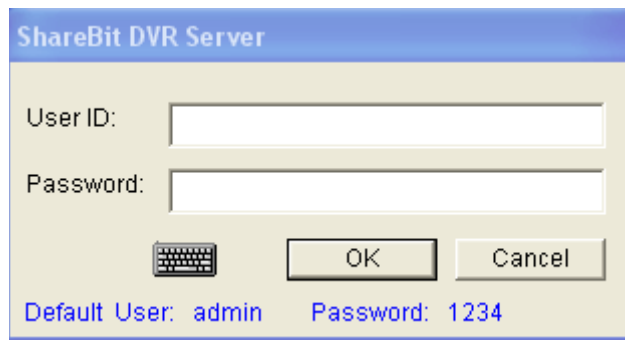


Click [Apply] and domain name will be effect.

Capture 3. Operation Main system

3.1 log on system

Click "dvr.exe" under sever folder, user will get following icon:



User ID: admin

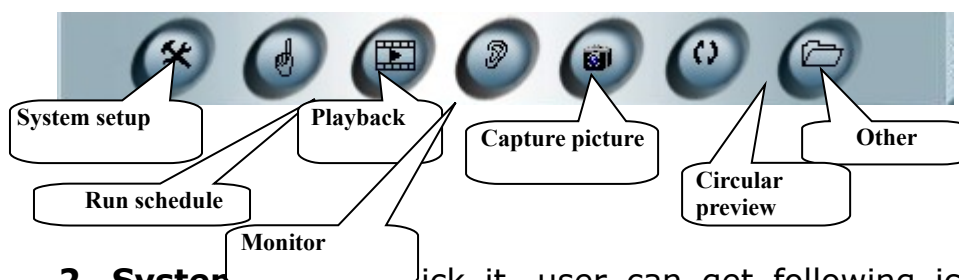
Password: 1234

Press "OK" and finish the log on process

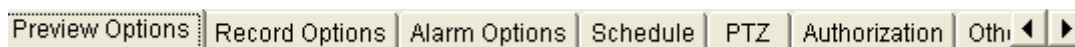
3.2 Main screen of server

After typing the correct user name and password, user will get the main screen of server:

1  : **Screen split**



2. System setup: click it, user can get following icon to set the preview, record, alarm, schedule, PTZ, authorization, others as below picture



3. Run schedule: click it, the system will run according to the schedule

4. Playback: playback the recorded files

5. Monitor: Recorder with voice

6. Capture picture: it allows the function of snapshot

7. Circular preview: Auto scan for different channels, the interval time is five seconds.

8. Other: PTZ, disk status, client information, local user manager



9. Preview: choose the channel that you want to preview, click the number ,it will start to preview when the number color change from grey to green


10. Record, alarm: choose the channel that you want to record or start alarm function, click the channel number, it will start to record or start alarm function when the number color change from grey to green

11. Color: adjust black/white, brightness, saturation according the actual situation

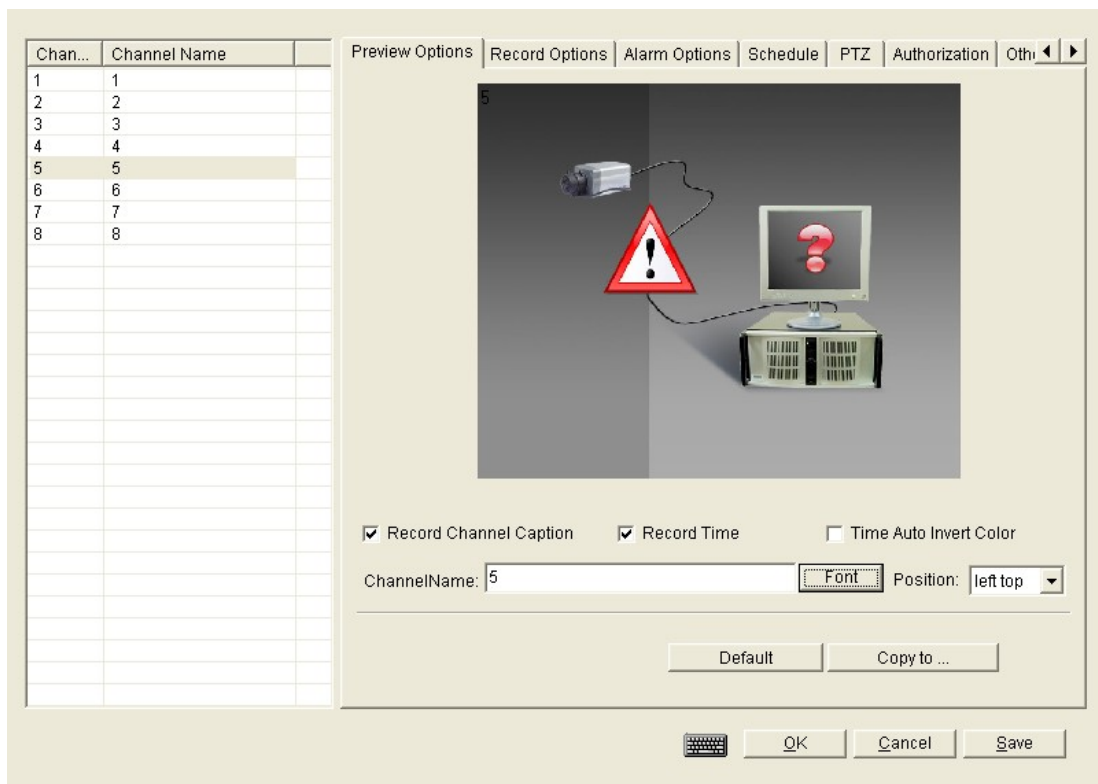
12. PTZ: click the PTZ, user could adjust the PTZ setup

3.3 Setup

3.3.1 Set local user manager

Click "other" button , and get tool list, click "**local user manager**", "**user manager**" window will pops-up. "user manager" is only for setting authority of server user, it is different from the "**Network user authorization** " *(If user want to remote view through IE , user need to set "Network user authorization ")*

3.3.3 Preview



Record channel: Tick it, while recording, it will show the channel number

Record time: Tick it, while recording, it will show the system time

Time Auto Invert Color: the color will change if record

Channel name: show the channel name you want to change

Font : the font of the channel name will be changed if you choose font

Position: the position of the channel name could choose from "left top, right top, left bottom, right bottom"

3.3.4 Record

From this part, user can set the video quality for recorded files.

Chan...	Channel Name
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

Preview Options | Record Options | **Alarm Options** | Schedule | PTZ | Authorization | Other

Basic Setup | Record Relay | Alarm Upload | **Detection Area**

Alarm Type
☐ Video Signal Los: ☒ Motion Detection
Detection Level and Sensitiv Level 1

Alarm relay
☐ Enable Audiable Alarr
☐ Enable Audiable Alarr
☐ Dial-up
Length of Alarm Ou 20 (sec) Length of Al 20 (sec)

Default Copy to ...

OK Cancel Save

Alarm relay: Tick it, if alarm trigger, you will hear the sound you selected
Length of alarm output: set the time of alarm last

Dial-up: tick it, if any alarm trigger, it will dial-up according to set of "alarm upload"

Detection area

Chan...	Channel Name
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

Alarm Options | Schedule | PTZ | Authorization | Other | **Color Scheme**

Basic Setup | Record Relay | Alarm Upload | **Detection Area**

2 [TSC] ar All Motion Detection Ar

(Tip: Drag and Drop your Mouse left button)

Default Copy to ...

OK Cancel Save

The default area is the whole picture. User could clear the sense area of current channel, and set the different area according to request

Record Relay: It will be take effect when choose some channels to link-act recording. For example: set 5 channel to test, link-act recorder channel is 3,4,5. Once some moving objects in choose area of 5 channel ,then 3,4,5 channels will start to recorder simultaneously

Chan...	Channel Name
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

Chan...	Channel name
<input type="checkbox"/> 1	1
<input checked="" type="checkbox"/> 2	2
<input type="checkbox"/> 3	3
<input type="checkbox"/> 4	4
<input type="checkbox"/> 5	5
<input type="checkbox"/> 6	6
<input type="checkbox"/> 7	7
<input type="checkbox"/> 8	8

Alarm upload: to set the telephone number which user wants to dial-up if any alarm

3.3.6 Schedule

If nobody watch the system, user hope the system work according to demand, and then set the schedule to make the whole system work.

Basic working mode

S/N	Basically work model	Remark
1	Record	Continual record
2	Motion Signal detect	If any motion detected, the alarm will be triggered
3	Record&Motion signal detection	If any motion detected, the alarm will be triggered, and system start to record

How to set: choose channel (for example: channel 2) and date (for example: Monday), click "add" , user will get following icon:

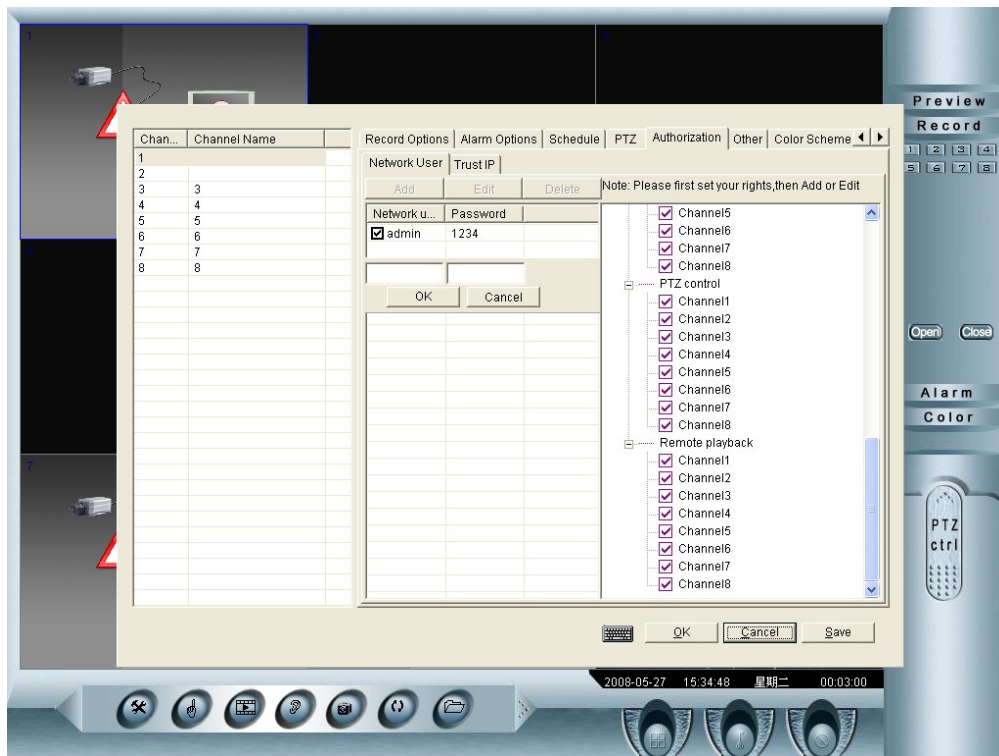
Chan...	Channel Name
1	1
2	2
3	3
4	4

Preview Options Record Options Alarm Options Schedule PTZ Authorization Oth...							
Cha...	Decoder Type	Baud Rate	COM...	Addr...	Chec...	Data ...	Stop ...
1	pelco_d_5	2400	COM1	1	None	7	1
2	-----	300	COM1	0	None	8	1
3	pelco_d_2	2400	COM1	1	None	8	1
4	pelco_d_1	2400	COM1	0	None	8	1

3.3.8 Authorization

[illegible]

This option is for network user authorization and trusted IP address. Click "add" user will get following icon, type the requested user name and password, and tick the authority for this user..



Network user: user could setup accessing IP address, limit accessing IP address by [add network user][amend IP] [delete IP] ,tick the IP address if user don't want to limit the IP

Trust IP : tick it, this IP will be secure.

3.3.9 Others

This option includes tools which do not list on the toolbar of system setup

Lock system key: tick it, while running the system, if click any button of system, it can not work

Must logon when startup: tick it, while click the "dvr.exe", use has to type user name and password to logon

Run software automatically when starting computer: tick it, if user turn on the pc, the software will run automatically

Shut down auto: tick it, and type the interval day and time, the system and computer will shut down according to the requested time and date

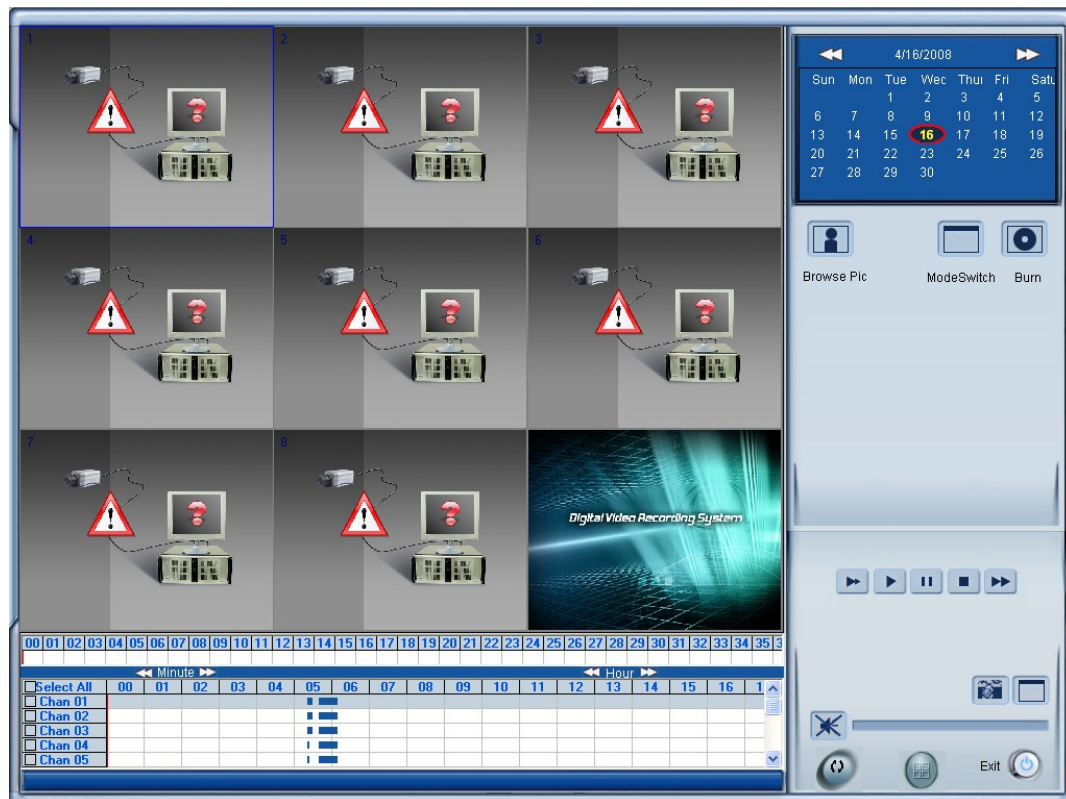
Restart computer: tick it, and type the interval day and time, the system and computer will restart according to the requested time and date

Start all: start all the time selected
Close all: close all the time selected

Capture 4 Playback

Recorded file search and playback is important for surveillance system. This system adopts video and audio synchronization

Press the playback button from the main interface of software, user will get following icon:



Calendar system: The different color of date indicate different situation

- 20** The number of date is blue: No date
- 8** The number of date is yellow: has recorded file for video and audio, or pictures information
- 13** The number of date is yellow color and with an ellipse: Current date


: To adjust the playback time. Left button is for minute; right button is for hour.

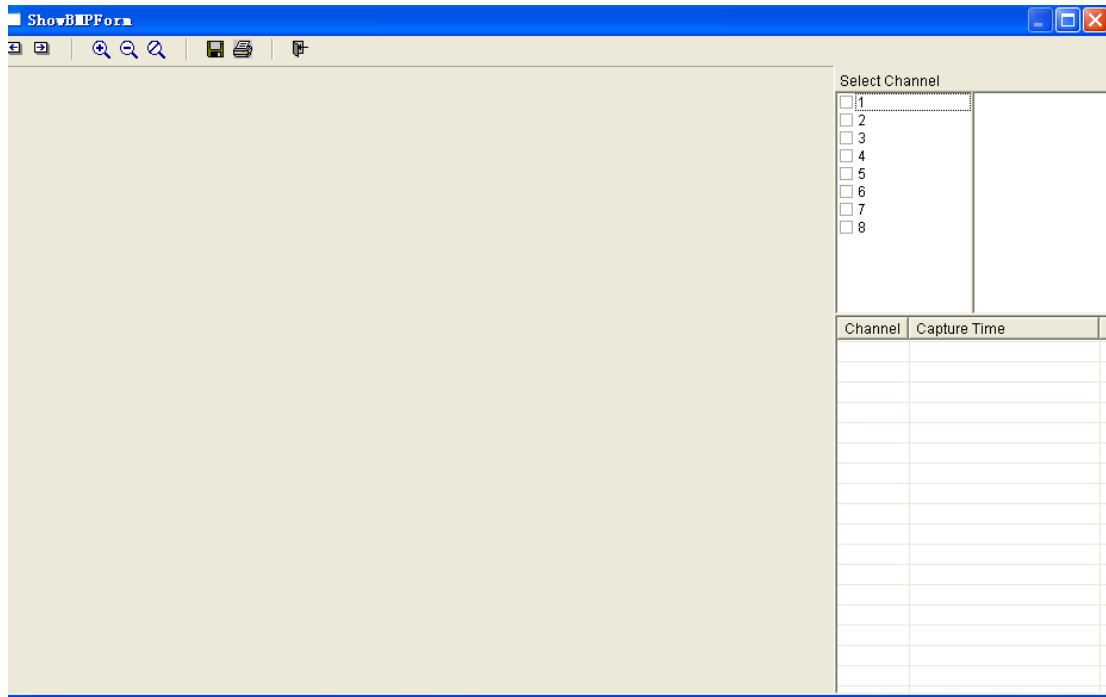
: Snapshot picture when playback

: To adjust volume

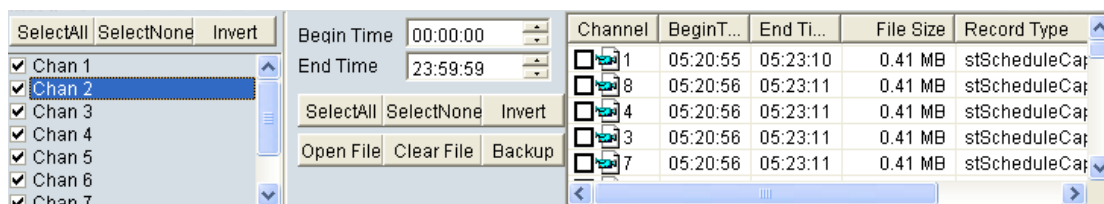
(Attention: this controls could not work now,

maybe it will work after software upgrading, please pay attention to updated software)

Playback the captured picture: click , following window will pops up



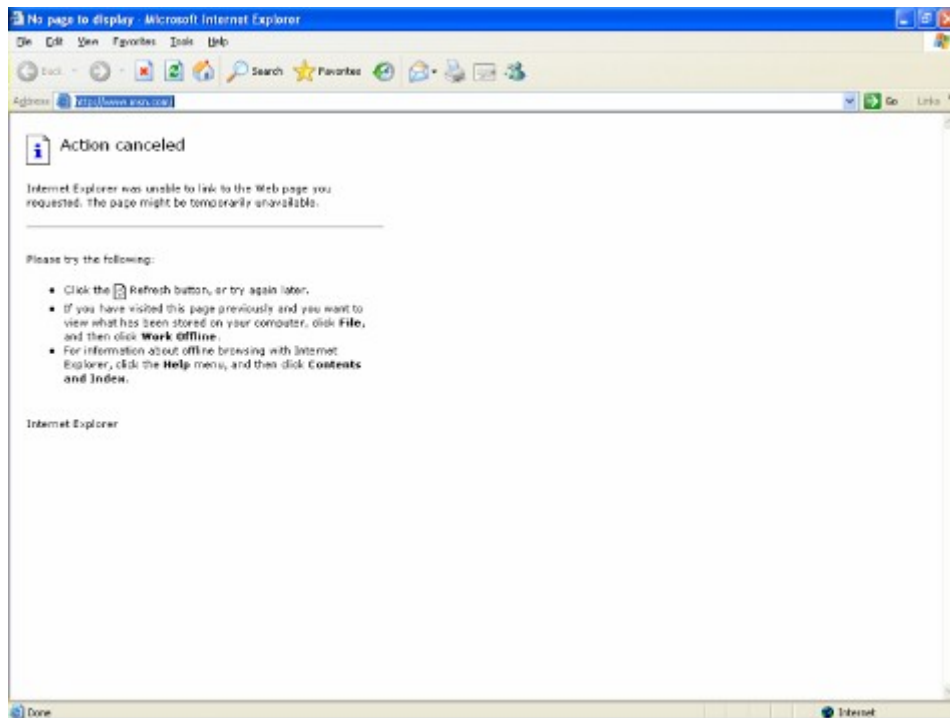
Select the channel which user want to view the captured picture, the corresponding picture will be listed at the right bottom window. Click the picture file and open it, user can zoom in or out the picture or save it on pc and print it.



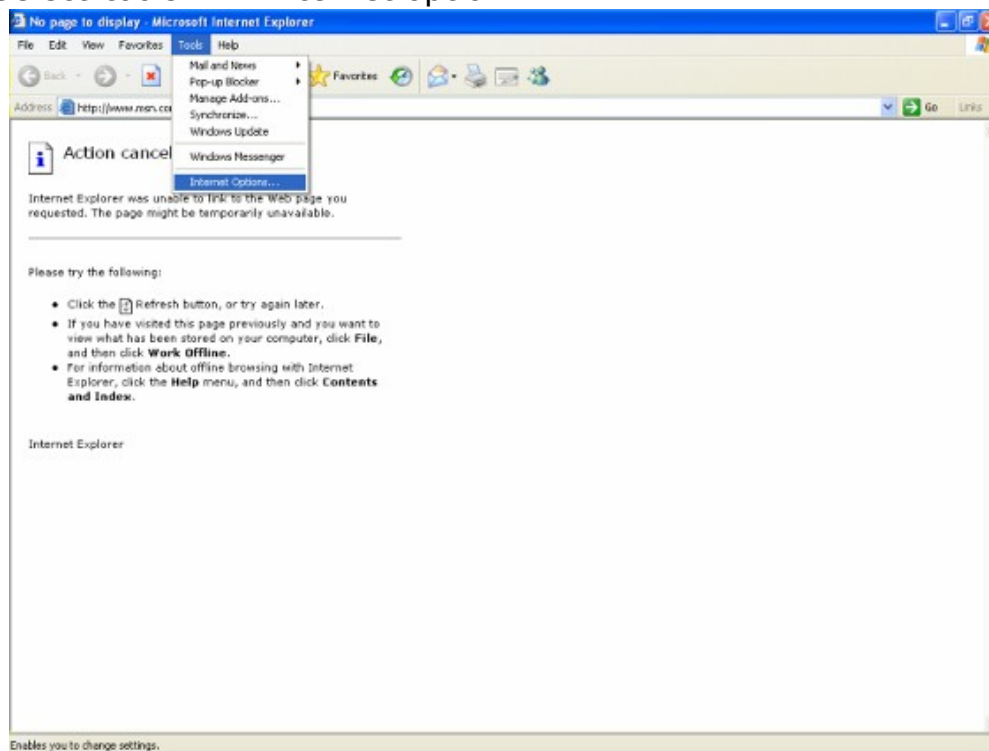
Capture 5: Network:

5.1. Internet option set

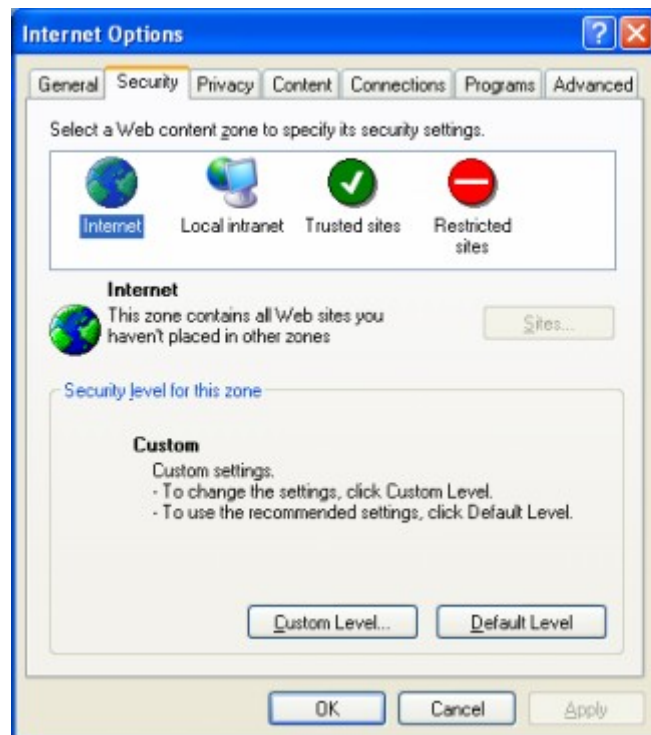
1. Firstly, please set your internet option as following steps:
pen one Internet windows



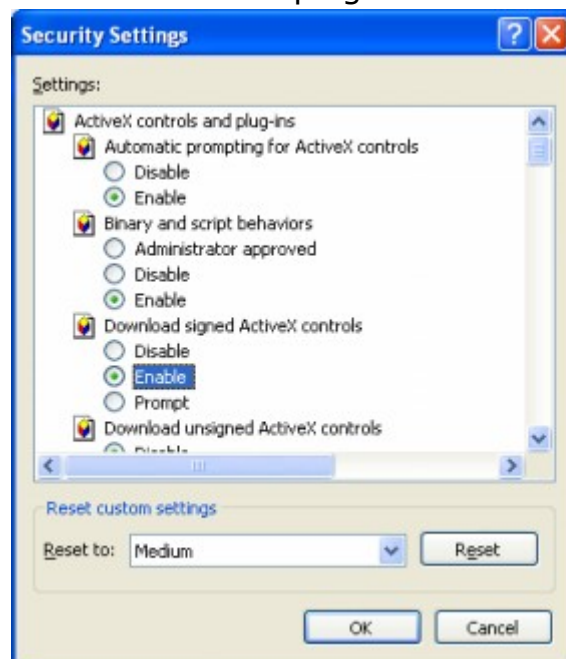
2. Select "tools"----"internet option"



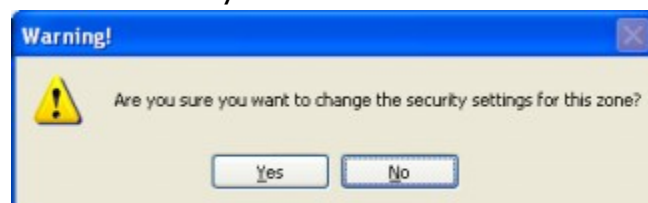
3. Select "security"—"Custom level"



Enable all the ActiveX and plug- in



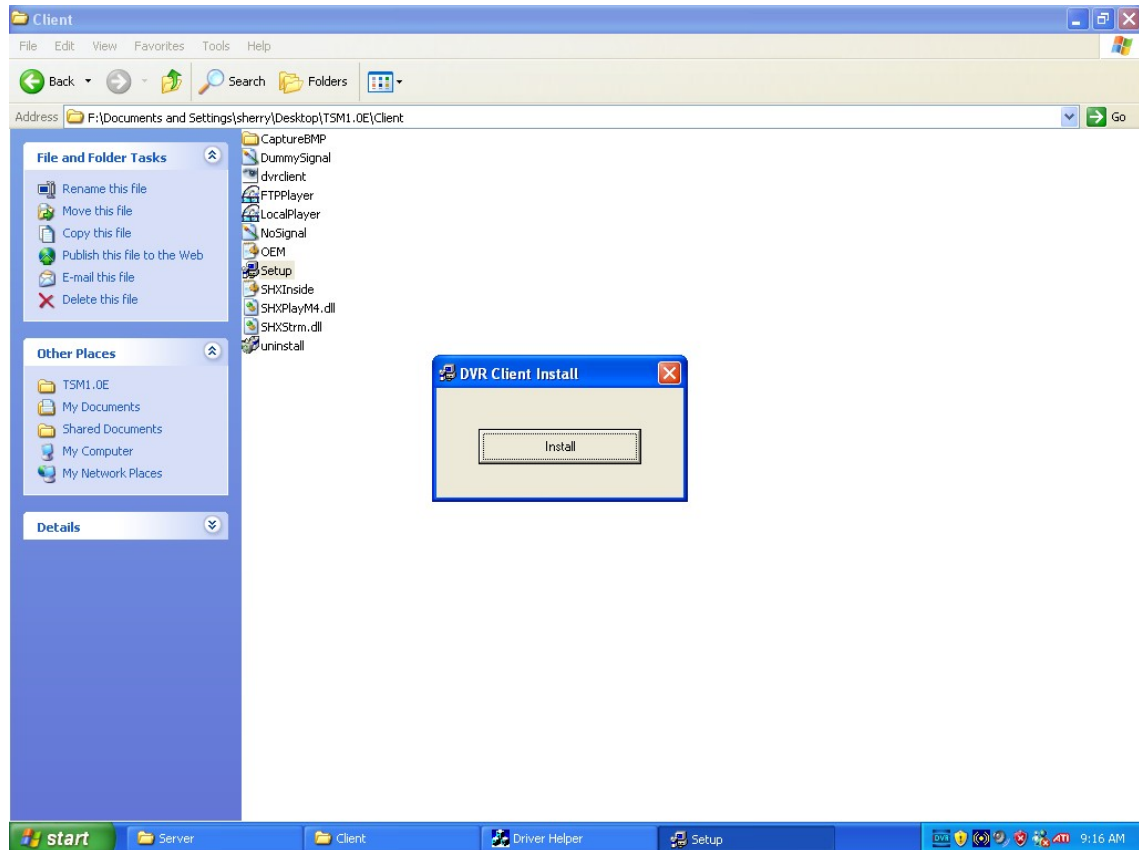
Confirm it and click "yes"



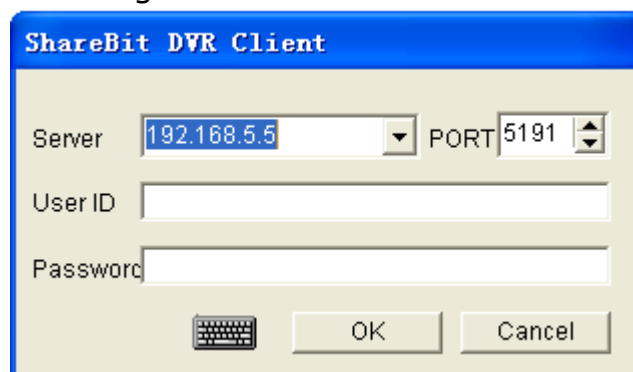
5.2 Client software

With this program, use can remote live view the picture from server, and , playback the recorded file from server or local pc.

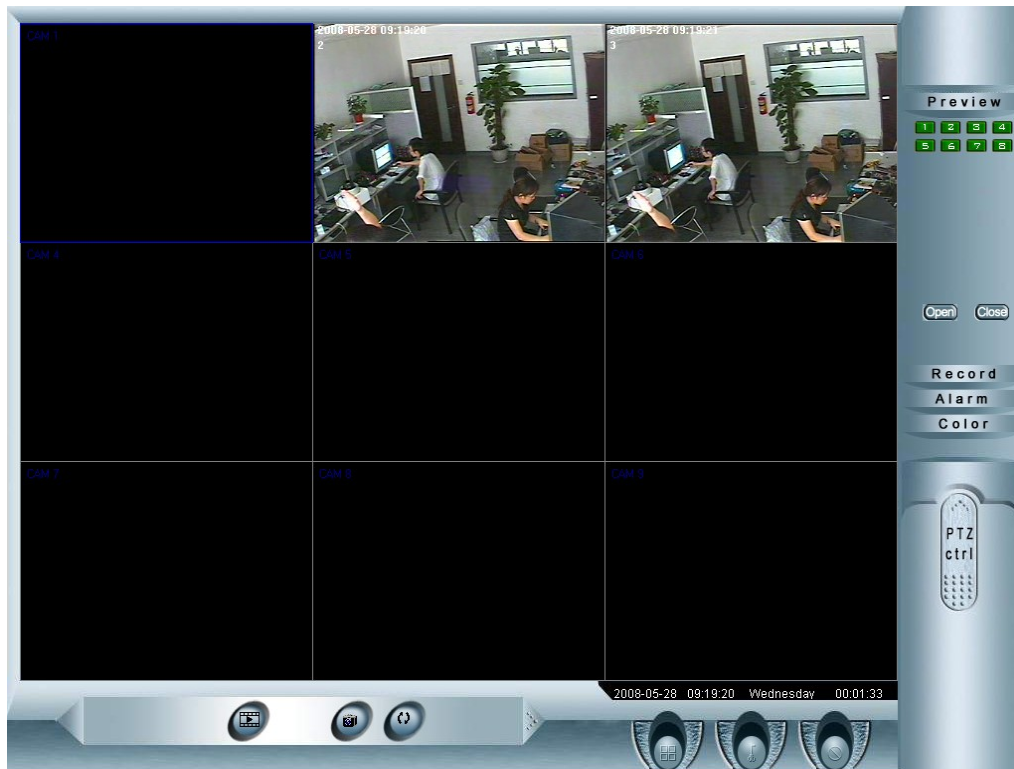
Step 1: from the software folder" TSM1.0E", there is a file named "Setup" under "client" folder, double click "Setup", use will get following icon:



Step 2: Click "install" button, and it will start to install the client software, till get following icon:



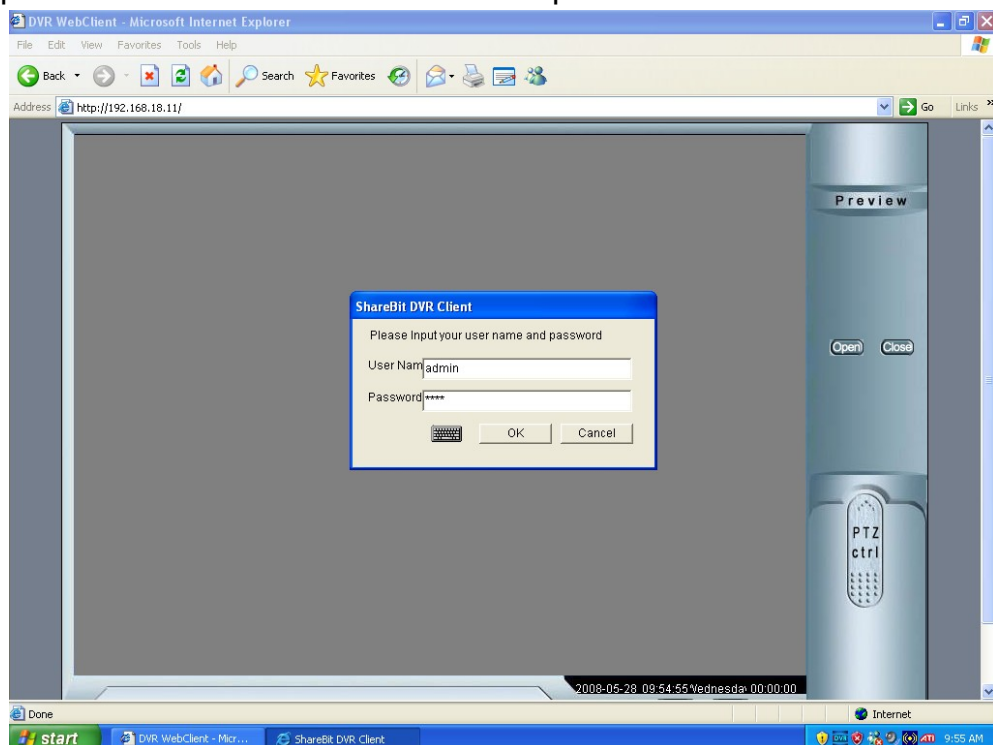
Step 3: Type the IP address of server, the default user name is: admin, password is: 1234. Click "ok", get following icon



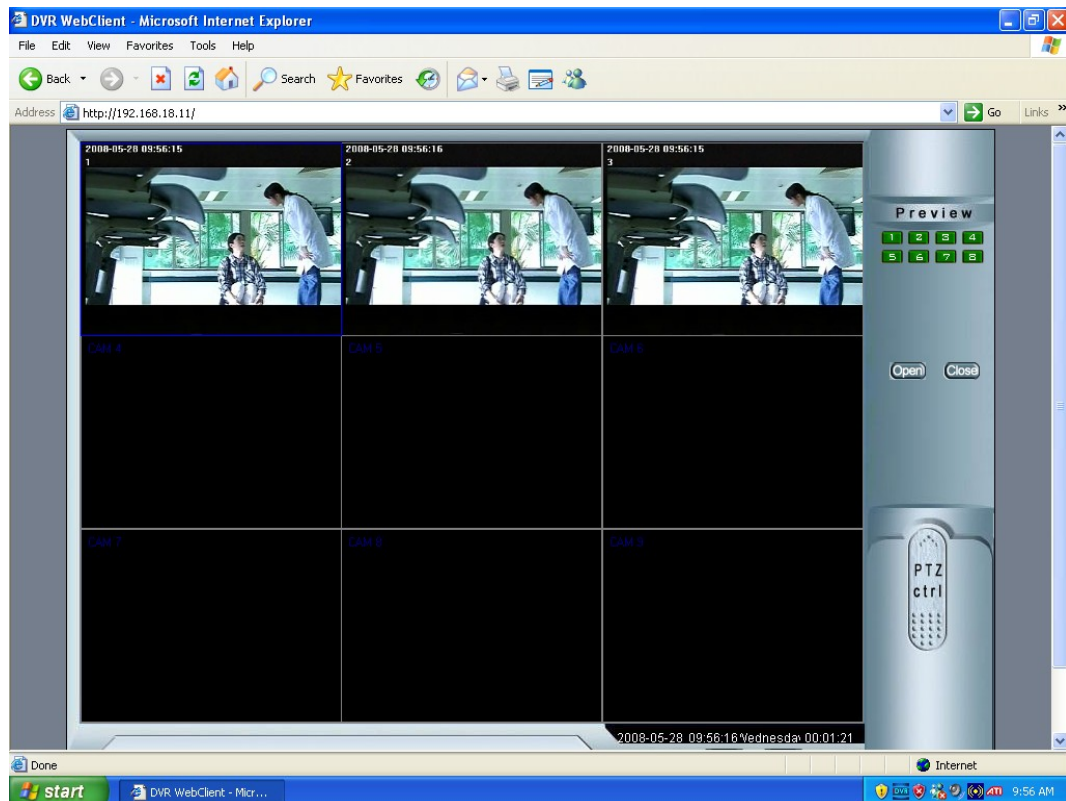
(The button function for above interface is similar as server interface, user can refer to it)

5.3 IE connecting

Step 1: Type the IP address of server, download and install the ActiveX files, system will pop-up a window(if this icon does not pop up, please close the IE windows and open another one to have a try)



Step 3: Type the IP address or domain name of server, the correct user name and password, the default user name is: **admin**; the default password is: **1234**. Then click "ok", you will get following icon to show you the connecting are successful.



(The button on above interface is similar as server interface, user can refer to it)

Remark: above information will be changed timely without any notice. If user has any questions and problem, please come back to us timely. We will offer the best service .We will appreciate if you could give us some good suggestions!