MEGAPIXEL NETWORK IP CAMERA FOR OUTDOOR USE

ART. NO. AK-3509

Thank you for your purchasing our product!

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Megapixel Full HD IR Network Camera
User Manual

Warning

In case of fire or lightning, pls don't put product in damp and raining place, operate or maintain

according to the user manual.

Be careful when you see attachment with a Dangerous Voltage which will cause serious

voltage accident.

Warning

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN

Warning

For reducing electric shock, unprofessional people please don't open model's front cover or rear cover

Warning

In case of electric shock and fire, pls don't use power supply exceeding user manual

Notice:

1. Ensure your equity, pls read the user manual carefully before you use the product

2. Pls contact eligible people if you need install and maintain the product

3. Input voltage of this model is DC 12V

4. Working Environment: temperature of -10°C~+60°C, relative humidity under 85%

5. Pls don't exceed the user manual's standard range of temperature, humidity and voltage.
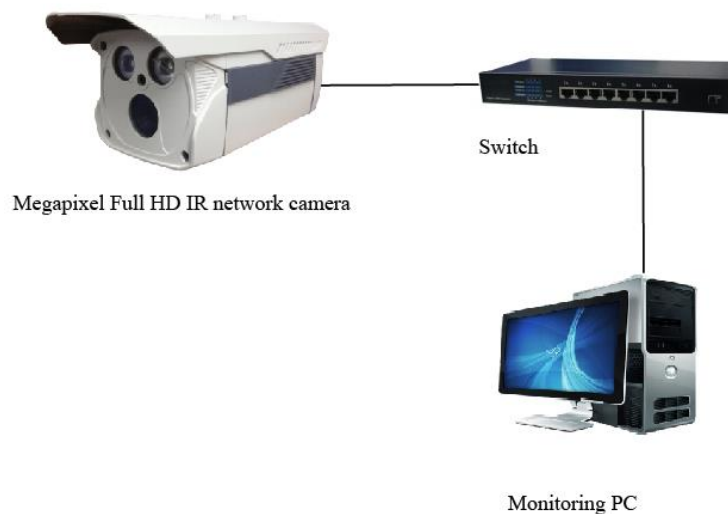
Product structure illustration

1. DC interface
2. RJ45 interface
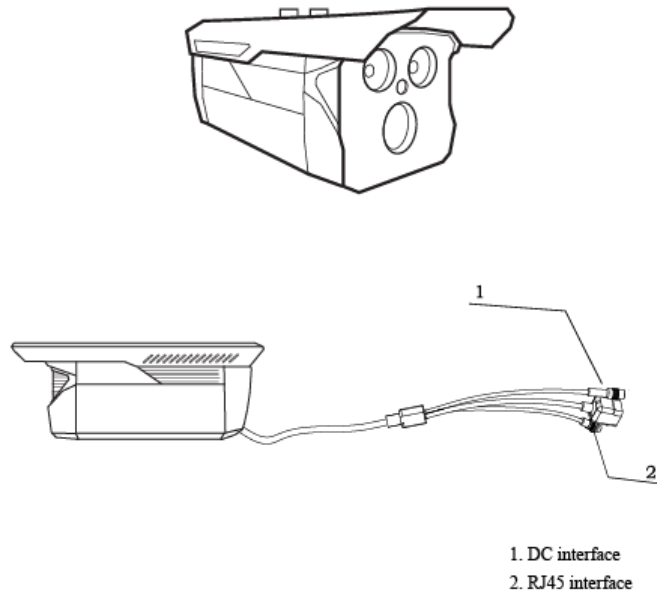
External power supply and camera hardware connection

Connect 12V 1A power supply with power interface, plug network wire, wait for about 2 minutes, machine start-up successful.

Setting instruction when camera connect with PC

Megapixel Full HD IR network camera

Switch

Monitoring PC

Setting instruction when camera connect with PC

IE view: Enter camera's IP address in IE's address bar, install control, then you can view image

Preview in IPC client: Install client software, click "settings" in software GUI, choose megapixels HD camera, click "search" button in "nexwork setting", software will automatically search the cameras in Intranet, and show the cameras' IP address in "searched IP cameras", double click the IP address, it will automatically append IP to the form of "connected IP camera", without appending cameras, the GUI can't preview image, click enter, log out preview UI, camera image will be showed on GUI in 3-5 seconds.

PS: If there is no image, pls disconnect the firewall in system control panel

Camera's default IP: 192.168.1.88. User name:

admin   Password：(No password)

Setting of camera connect with NVR illustration

Megapixel Full HD IR network camera

Switch

NVR
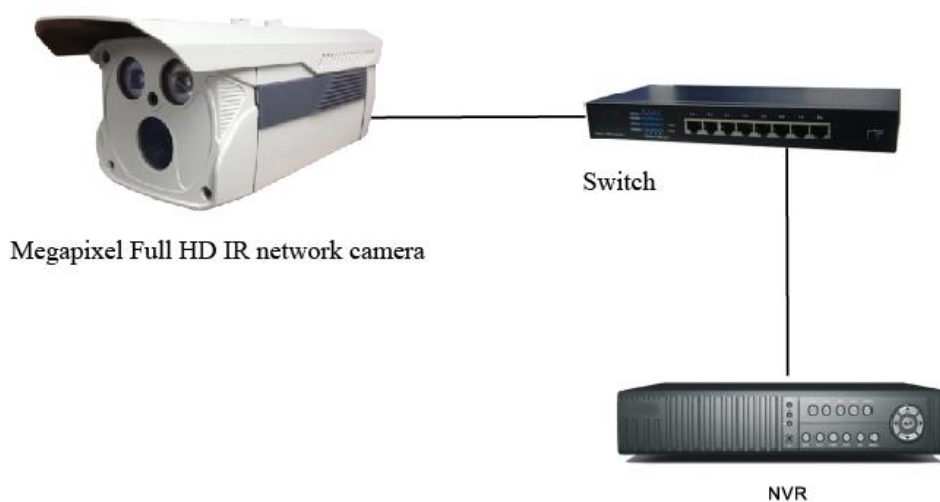
Camera connect with NVR

Click "parameter setting" button in NVR software GUI, enter IPC setting UI, click "search" button, system will automatically search cameras in intranet and show the cameras' IP address in the form, double click the IP address, it will automatically append IP to the form of "connected IP camera", without appending cameras, the GUI can't preview image, click enter, camera image will be showed on GUI.
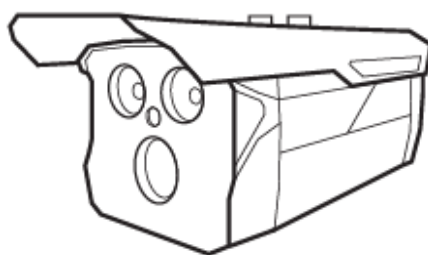
Product Features

	720P
Sensor	1.3 megapixel CMOS
Video compression	H.264
IR range	10m - 50m
Dual stream	1280x720(25fps)/432x240(25fps)PAL
	1280x720(30fps)/432x240(30fps)PAL
Lens	3.6mm、4.2mm、6mm、8mm、12mm
Min illumination	0.1Lu/F1.2(color)、0 Lux with IR
Day&Night	IR cut filter with auto switch
Frame Rate	1- 25 FPS(FPS); 1-30 FPS (NTSC)
Bit Rate	500kbit/s~3 Mbit/s
Protocols	TCP、OUP、IP、HTTP、FTP、SMTP、DHCP、DNS、ARP、ICMP、POP3、NTP
Communication Interface	RJ45 10M/100M self-adaptive Ethemet
Power supply	DC 12V 1A
Record mode	NVR 、IP dient software
Power consumption	Max 6W
Operating Conditions	-20～+60 摄氏度
Operating humidity	10～85%

Product Size
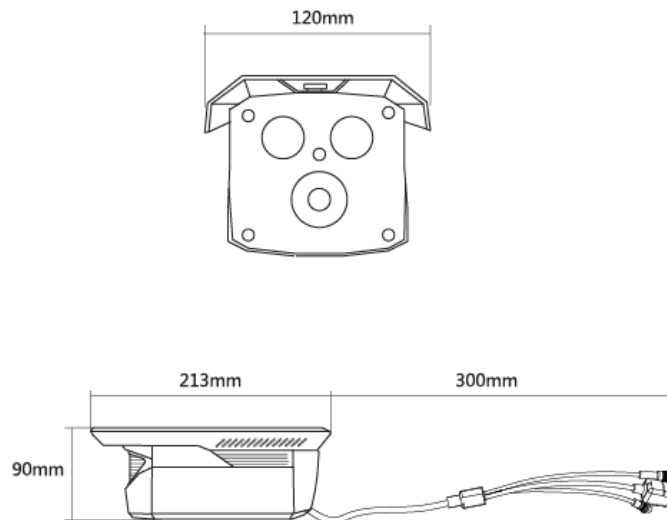
Client software user manual

1． the introduction

1.1 the introduction

1.2 system requirements

Operating system：over window 2000

CPU：Inter Pentium 4 2.4G or higher

Memory：512M or more

Monitor : support 1024*768 and the higher resolution

Card : support directdraw to accelerate and opening.

1.3 convention

In order to the simplify describe in this manual ,will describe as following .
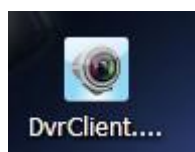
client software called software

 DVR DVS called equipment

 "Click" means to click the left mouse button

 "double click"means to double click the left mouse button

 "Right click" means to click the right mouse button

2. software running

2.1 Running and login

2.11 Double-click The shortcut to run the software。

2.12 Login

  Choose the user name ,enter the password clink to enter the program. you can choose "automatically login," so it will not appear on the window next time.

   2.2 introduction of the Software interface
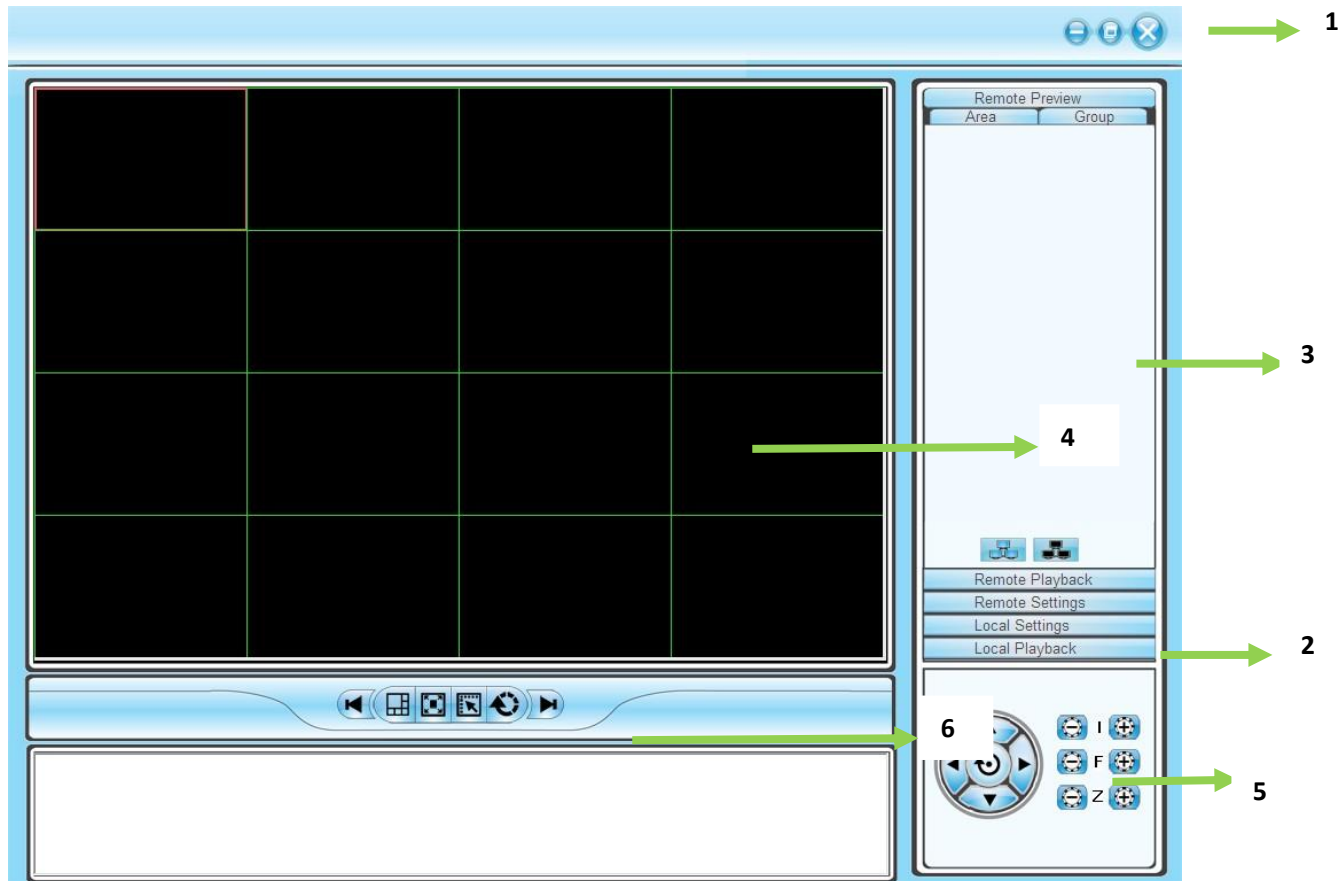
introduction of the Software interface

1) **system and the button bar**

Interface can be locked, minimize the window to the taskbar, close program operation。

2)**Tab bar**

Contain the function of the different software models

Remote preview ： Real-time preview on the device

Remote playback :Local video playback and remote playback

Remote settings: Configuration setup

Local settings: user management,device management,system setup

3) **device tree**

Show each equipment and to add management group

4)Preview Display Window

Real-time preview of the device channel

5)PTZ control window

For PTZ control, adjust the picture

6)Preview Control Bar

Preview control to stop, drawings, switching screen modes, full screen, rotation, etc.

3.Equipment Management

Before using the software to operate, need to add and configure the device operation. Click
the tab bar "Configure" tab to enter configuration mode

Click on the left navigation bar set- "Device Manager" item to enter the device management interface.
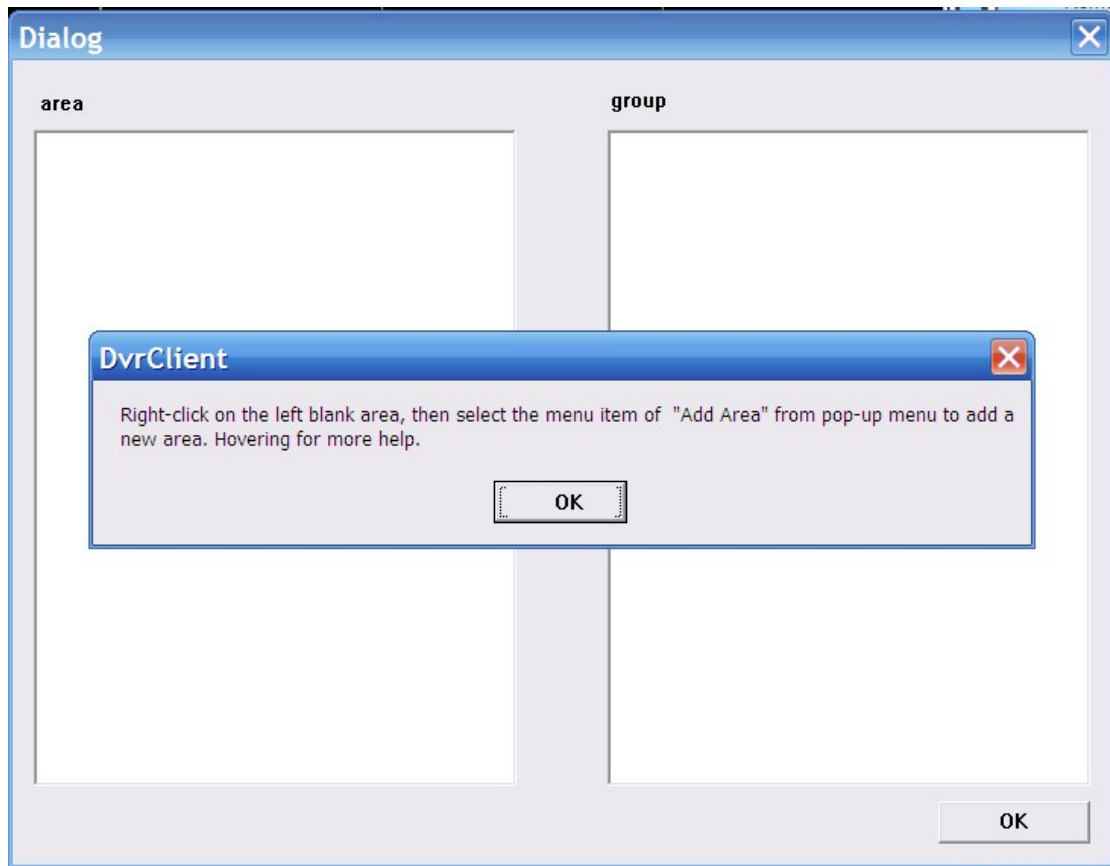
4.1 **device tree configuration**

When the initial run the software, the list defaults to an empty tree, right-click any blank space can be a list of trees to add area.

Fill in the name of the regional title bar and click OK you can add a tree to the list area, and because of this added area as the first area, there is no higher in the region area, the higher the regional name column blank.

Regional add is complete, right-click the regional nodes may choose to sub-region, add the operation of equipment

Right-click the Add area, pop-up a regional management menu.
Select "Add a sub-regional" sub-regions can be added.
Select "Delete area" will be removed in a selected state area.

   Note: If you remove the region which contains other regions under, equipment or channels, then delete operation will not only delete the selected area, but will remove all of the regions under this region, equipment or channels; if the region is under the preview channel or Video will be given a warning.

3.1.1   Manually add the device
Right-click the Add area, pop-up regional management menu, select "Add Device."

Options	Explain
device address	Device IP address or domain name
device port	device port number
http port	http port number
User name	Device' Registered User name
User password	Device' Registered User password
Device name	Add the device name it can be customized
channel	Device' Channel number, please fill in the actual situation
In area	the name of the host region

click"test connection"to check if it could connect to the device

3.1.2 **Search the LAN-line equipment**

Right click In any regional / sub-regional, click the menu item in the search Device, search the same LAN-line equipment
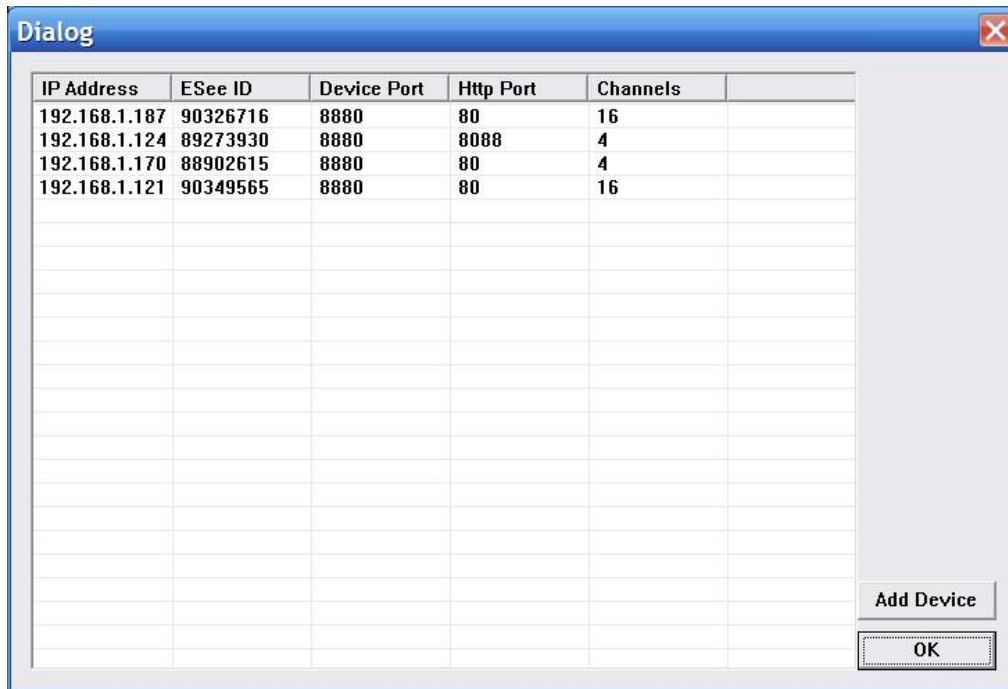
Choose one of them，click"add device"

modify the device name in the device information menu so that the device name will be not same.

To fill the user name and password , click the test connection, after connect successful, choose "OK" to setup

Then continue to add other devices.

3.2 modify the device name

If the group did not contain any node in the tree, then to be add the node first

Right at the grouping column shows the space group management menu, click on "Add Group" item

Enter a group name, click OK to add group.

Group added successfully, you can access the list in the tree node to the next selected group
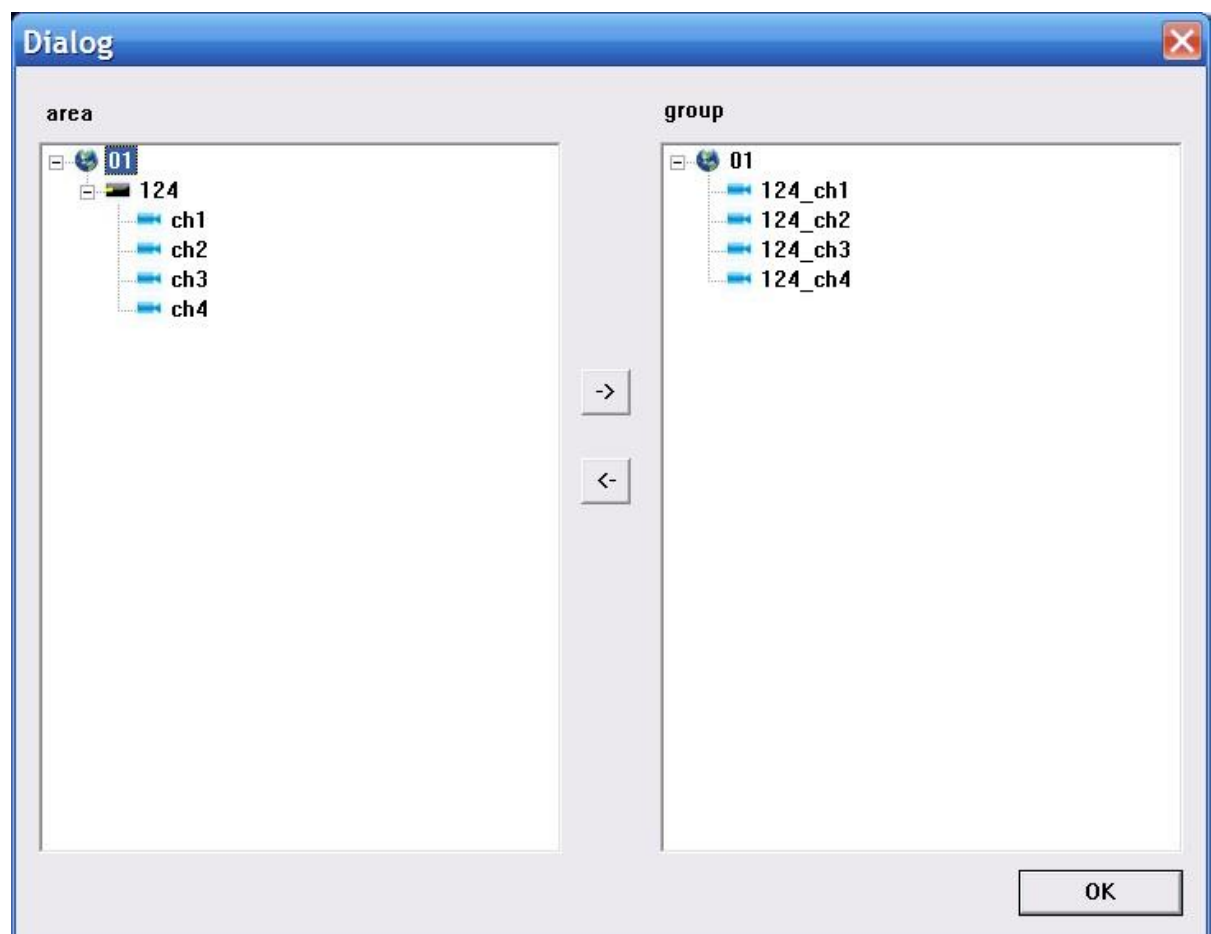
Select the channel list tree node, click "add" in the Device Configuration window to add the

selected channel into the group tree

Group, the channel name will show in the form of "device name _ channel name" , after adding a channel successfully , list tree select the next channel of the device node automatically .

Select the device in list tree, click "add" in the Device Configuration window could add the all selected channel into the selected group. After a device successfully added all the channels, then select the next window select list of a device tree node.

Using the device configuration window button bar "Move" and "Down" buttons can be adjust the order of nodes under channel grouping.

Pitch up the Channels node in the grouping tree, click "delete" button in Device Configuration window to remove select the channel from the group. After removing the channel, the group tree will automatically select the next channel in the grouping.

Select the group node of group tree, click "delete" button in Device Configuration window will display the warning message dialog window. Click "OK" to delete all the channels node under the selected group.

Note: same channel couldn't be added in one group. But one channel can be added into different group

4.live video

4.1 general live mode
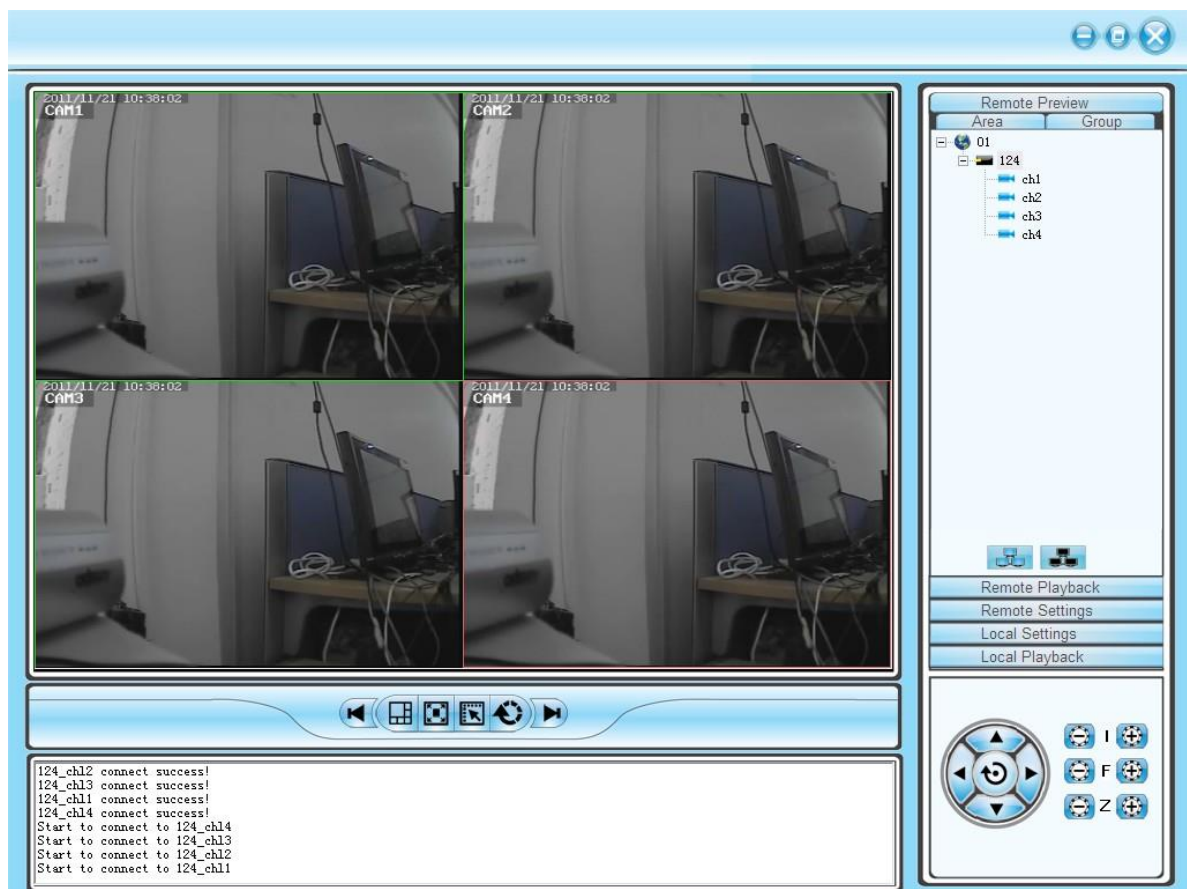
4.1.1 double click to start preview

Click a player window, the selected window frame will turn into light blue.

Double-click the device list or a grouped channel, the channel will be play in this window.

4.1.2 start /close all preview

Choose device and click right mouse to choose"open all device channel" for all open, and choose "close all device channel" for all close.

4.2 live sequence dwell

Click the switch for live sequence dwell, then begin to play.

Time can be set in the client local setting-system setting.

4.3 Other function

Double click to magnify: in the mode of multi image,double click playing window can magnify it and return after double click again

Picture mode:can be switch in multi picture.

Full screen: hide some part of item and set the play windowmaximize.

Last page,next page: show all remain window at present state. Total in 64 preview window, each time will show 1 page. Window quantity will according to the picture mode.

5.PTZ control

5.1 **PTZ control**:

Control the direction of rotation, speed, Iris, focus and zoom.ect miscellaneous function.

6. Record and playback

6.1 client local record

Client record:manual client record

In the preview window,click right mouse button to choose" start save video"and begin record.

Video save route can be modify in local setting-system setting
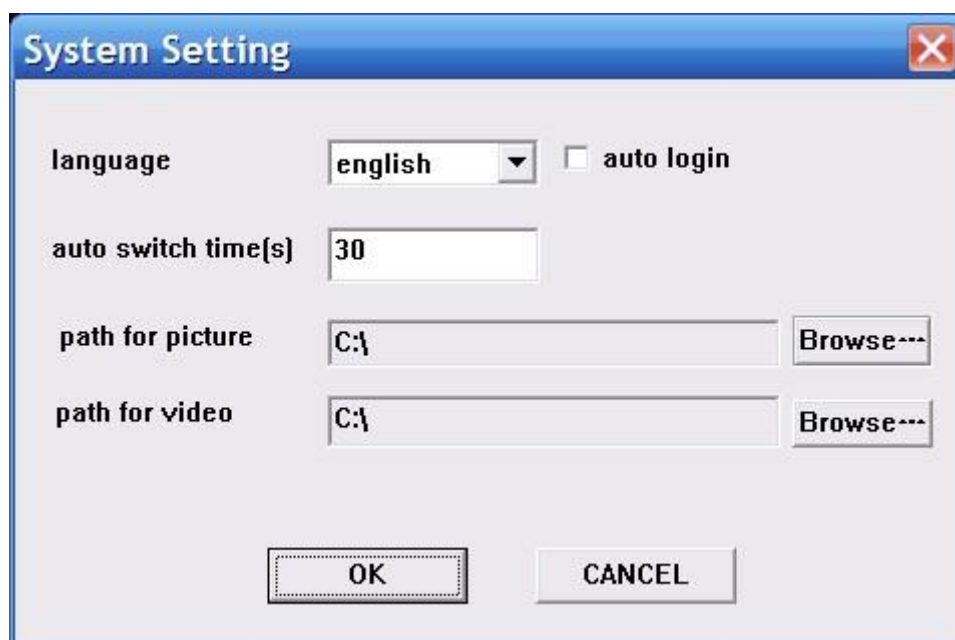
6.2 Remote playback

Click "remote playback" button can turn into remote playback interface.

6.2.1 remote video document search

To choose the needed search device in right equipment tree, and choose channel,record mode and starting time. click "search", the document will be there.
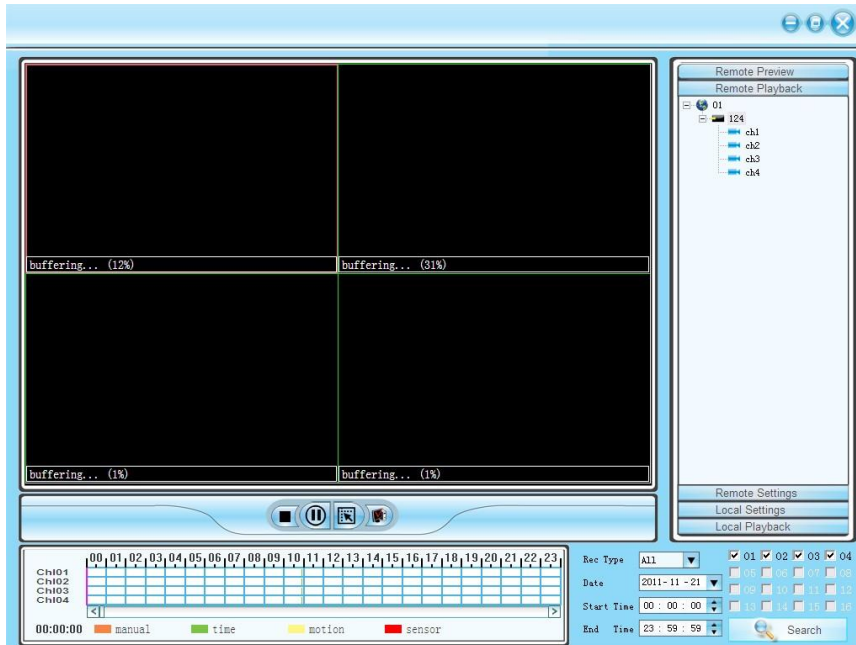
6.2.2 remote file playback

Video will be play automatically.,also ,it can be play in anytime point by dragging progress bar
Support 4channel playback in the same time.

6.2.3 screenshot

During playback, screenshot can be done to any window.click"screenshot" button.
Screenshot save route can be set in local setting-system setting.

6.2.4 Backup
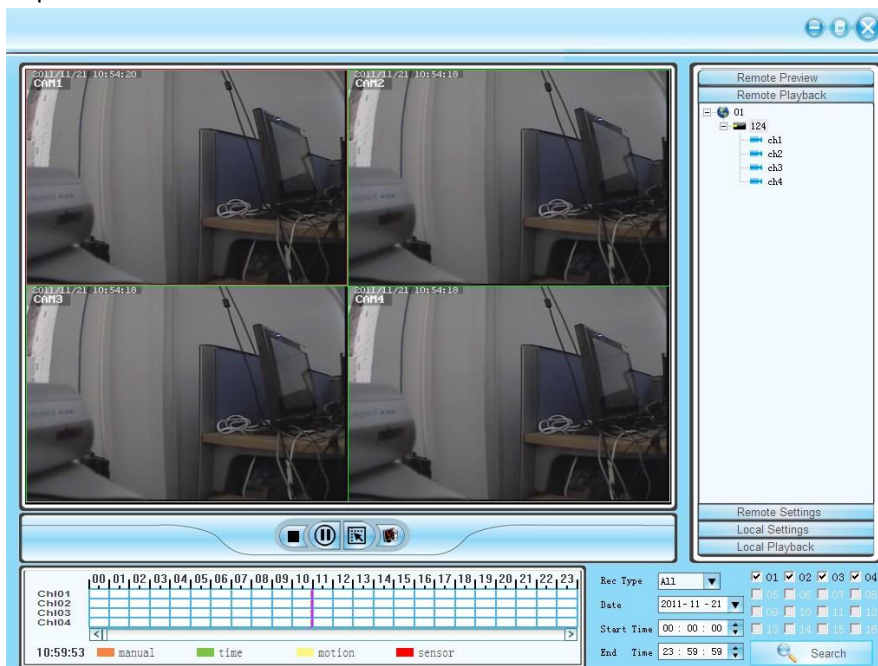
6.2.5 playback control
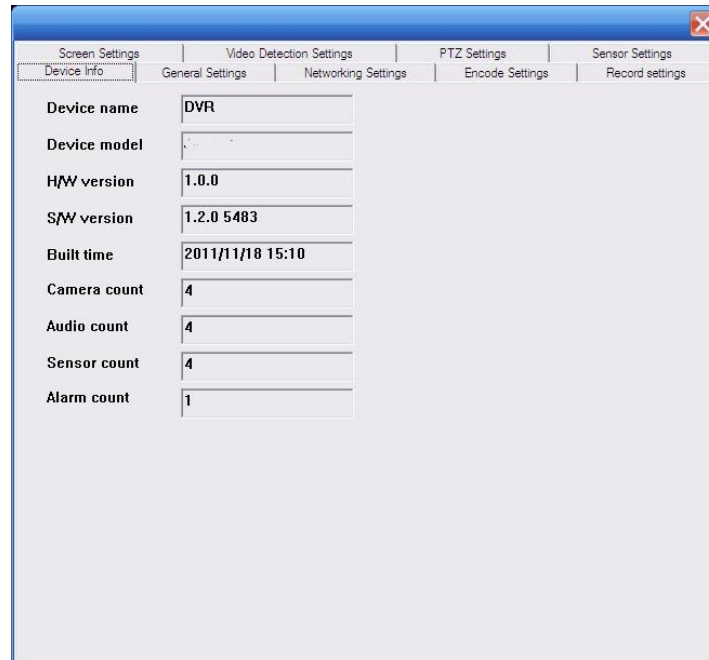
can drag,suspend and double click to magnify the picture for present playback.

7. remote setting

Click"remote setting" go into remote setting menu

Choose the device in the right side device tree, double click the device to go into setting interface.
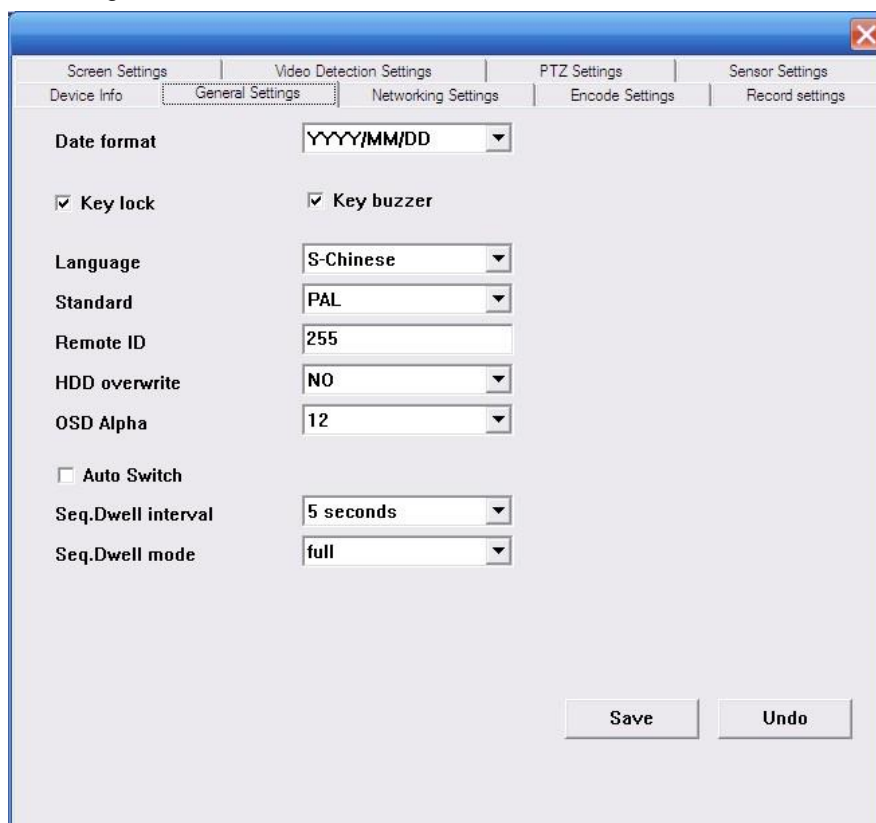
7.1 system information setting

7.2 General setting

7.3 network setting

MAC address	0:5:fe:13:b0:2f
IP address	192 . 168 . 1 . 124 ☐ DHCP
Subnet mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 1 . 1
DNS address	192 . 168 . 1 . 1
HTTP port	80
Client port	8880
mobile port	8882
ESee ID	89273930
DDNS provider	dyndns.org ▼ ☐ DDNS
URL	test.dyndns.org
Username	test
Password	test
PPPoE user	pppoe12345667890 ☐ PPPoE
PPPoE password	pppoe12345667890

Tabs: Screen Settings | Video Detection Settings | PTZ Settings | Sensor Settings
Device Info | General Settings | Networking Settings | Encode Settings | Record settings

Buttons: Save   Undo

7.4 coding setting

Tabs: Screen Settings | Video Detection Settings | PTZ Settings | Sensor Settings
Device Info | General Settings | Networking Settings | Encode Settings | Record settings

Channel	1 ▼
Encode mode	Vodeo only ▼
Encode format	CIF ▼
Quality	Highest ▼
Bitrate mode	Constant ▼
Bitrate rate	1Mbps ▼
Framerate	25fps ▼

Copy to channel

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8
☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16
☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24
☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32

☐ Select all

Buttons: Save   Undo

7.5 record setting

GENERAL SETTING						
Channel	1		Weekday	Sun.		
	Begin	**End**		**Time**	**Motion**	**Sensor**
schdule1	0:00:00	23:59:00		☑	☐	☐
schdule2	0:00:00	23:59:00		☐	☐	☐
schdule3	0:00:00	23:59:00		☐	☐	☐
schdule4	0:00:00	23:59:00		☐	☐	☐

COPY TO

☐ Sun. ☐ Mon. ☐ Tues. ☐ Wed. ☐ Thur. ☐ Fri. ☐ Sat. ☐ Everyday

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8   ☐ All Channel
☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16
☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24
☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32

Save   Undo

7.6 screen setting

Channel   1

Camera Title   CAM1

Save   Undo

7.7 video sense setting

7.8 PTZ setting

7.9 sensor setting

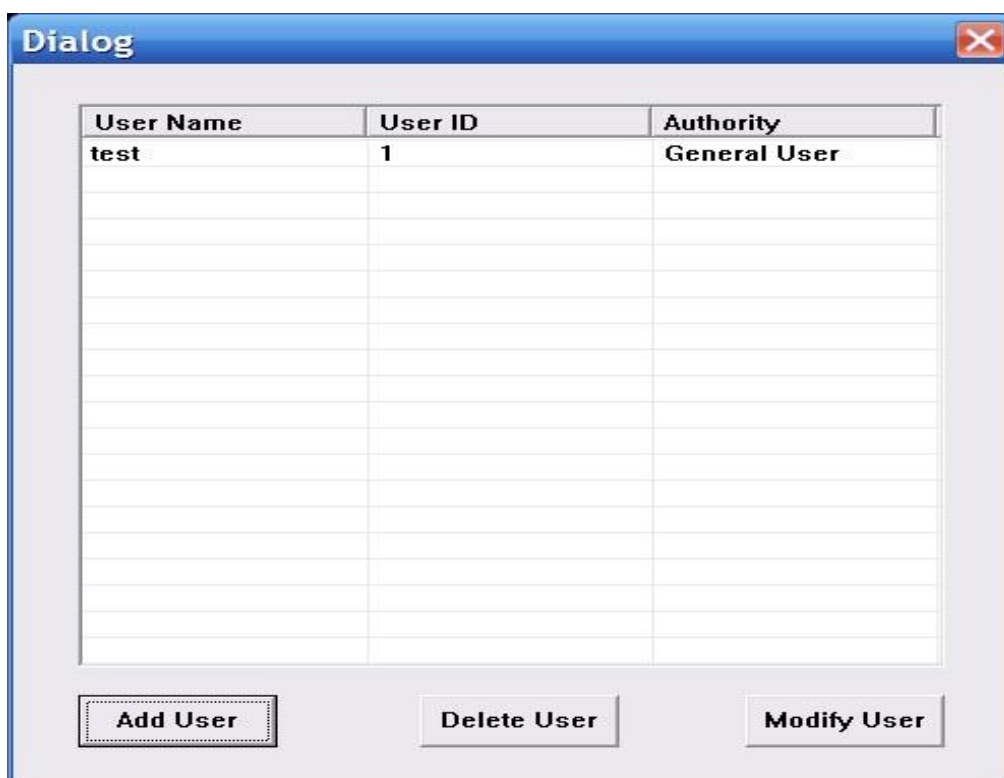## 8. local setting

8.1 **local setting**
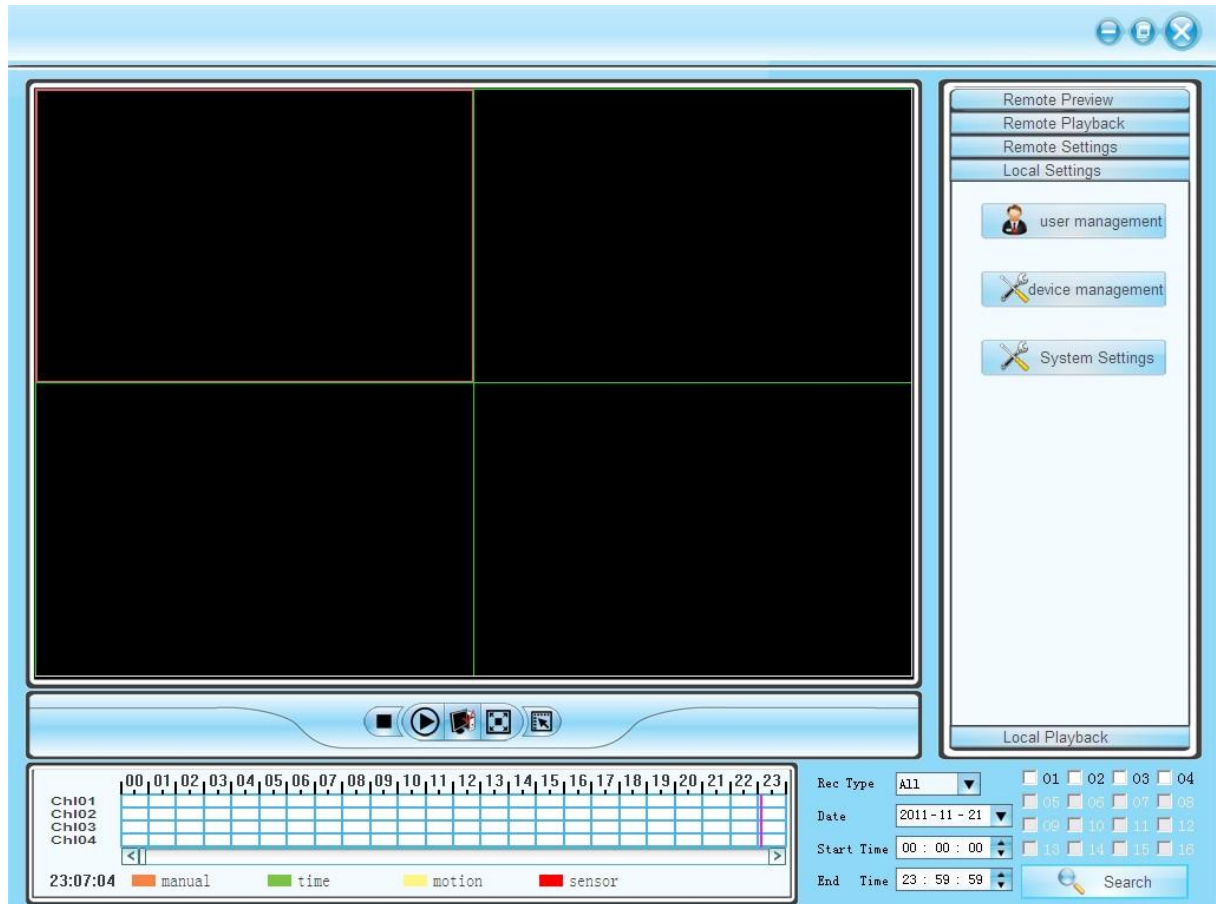
Local setting can user management, setting management, system setting

8.2 user management

Can add user,delete user and modify user

8.2. 1 device management

Add device

8.2.2 system setting

Country of Origin: CHINA