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# Manual of PC Decoder

## 1.1 Introduction

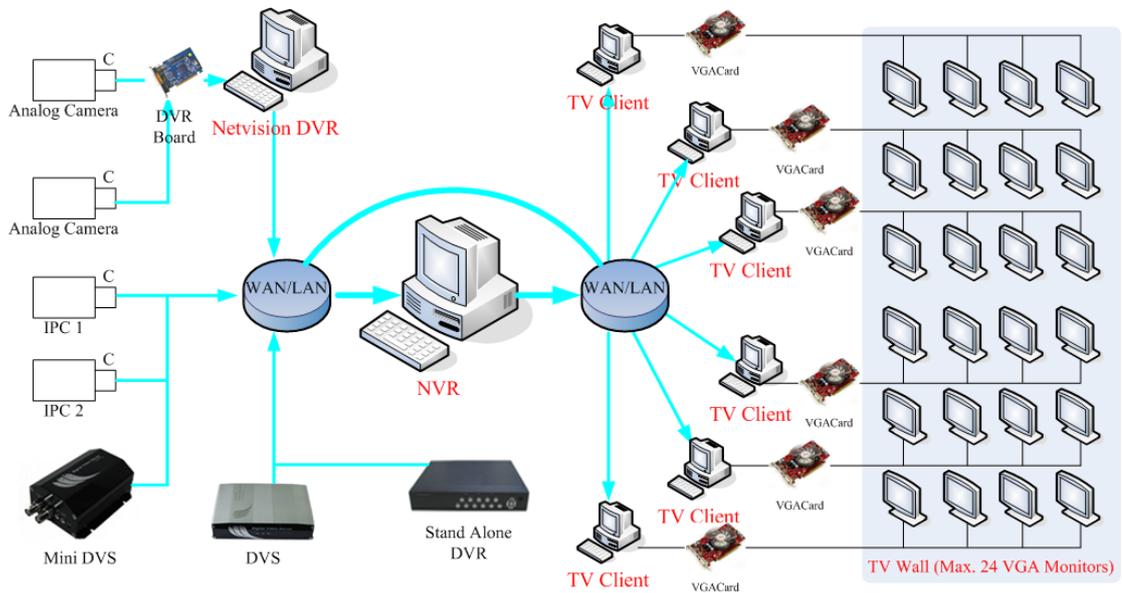
### 1.1.1 PC Decoder Introduction

PC Decoder, a pure IP based network Decoding & Matrix platform, is integrated to support multi-monitor for TV wall function. By using this platform, user can decode all IP videos, such as video from PC-DVR, stand alone DVR, DVS and IP cameras (any brands supported by our software).

PC Decoder is made up of server end and client end. Its sever is added into NVR to support centralized management, including setting connection port, setting matrix output and display for each TV client and controlling PTZ etc. Its client ends run on independent computers.

User can connect as many as 24 monitors to TV clients. Of course, it needs your video card in TV client system supports multi-monitor when you want to connect more than one monitors on a PC.

The frame diagram of application is as below:



### 1.1.2 Preparation

#### 1. Installation

You have to install NVR client (the sever end of PC Decoder) and TV client

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(the client end of PC Decoder) on different PC.

The way to install NVR is the same as before. So we will only introduce how to install TV client here.



Double click this icon to run the TV client installation program.

And then, follow the prompt to continue the installation. When the GUI shown as below displayed, fill the NVR IP in "Server IP". Take "192.168.0.192" as example. Select your desired language between "English" and "Chinese". "Server Port" here should be the same with "Listen Port" in NVR **PC Decoder Setup**. It's 5001 by default. Then, press "Save" to finish the information filling. At last, press "Finish" to complete the installation.



When it's done, this icon will be displayed on the desktop. Double click it to run the program.

Also, you can fill the server IP later after you finished the installation.

When you want to change the sever IP to others, you have to run "TVsetup.exe" in installed folder to change the IP.

## 2. Multi-monitor Setup

Please refer to 7.1.4 in **NVR Client User Manual** for details.

So far, the operations at TV client side are done.

By default, there will be four black windows on each monitor when you run TV client the first time.

## 1.2 Setup

All the settings can be done in NVR client, the sever end of PC Decoder. Client end is mainly used to view videos.

First of all, user has to enable **PC Decoder Funtion** in NVR system setup. Shown as below:

The screenshot displays two windows from an NVR client interface. The top window, titled "SYSTEM SETUP", contains various configuration options. The "PC Decoder Function" is set to "Enable". The bottom window, titled "CONNECT SERVER INFO", shows a table with one entry for a PC DVR device.

IP Alias	IP Address	Disp. Port	Device Type	Cameras	Use DNS?
192.168.0.102	192.168.0.102	5100	PC DVR	5	no

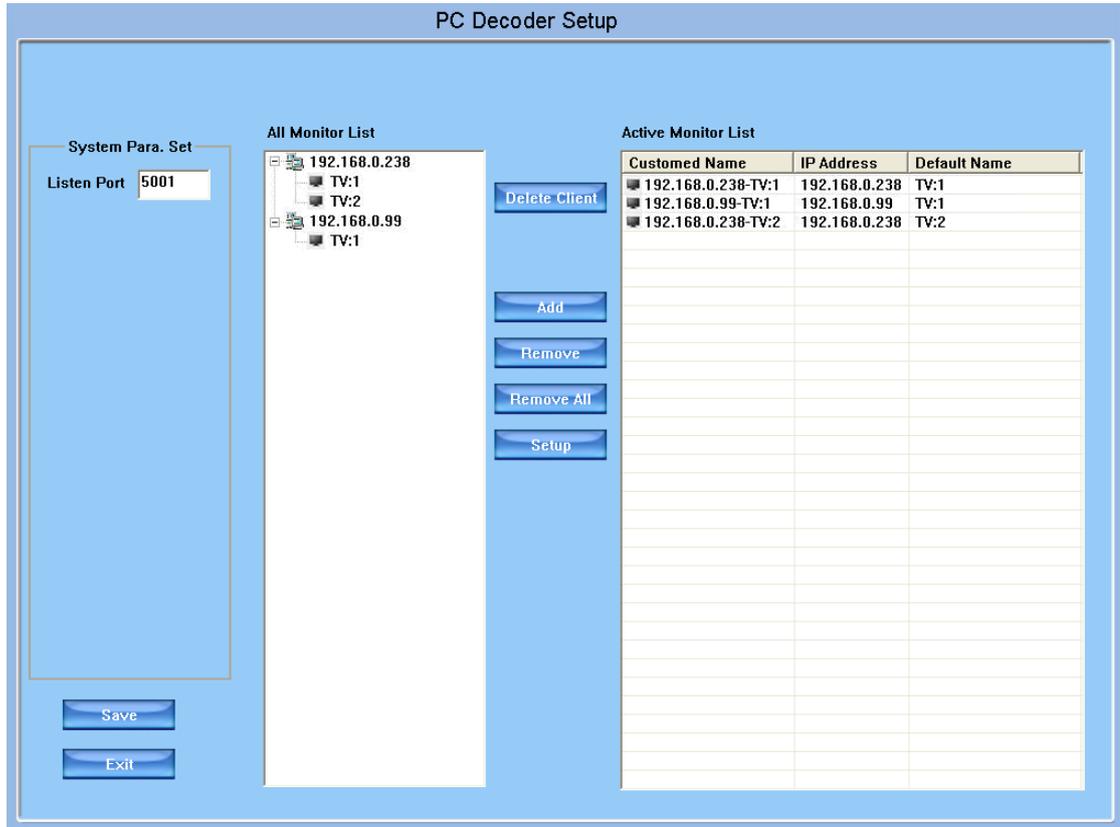
Buttons for "Add", "Modify", and "DELETE" are visible to the right of the table. At the bottom of the interface, there are buttons for "Server IP", "GroupSet", "RecordSet", "Right Set", "Export", "Import", "SAVE", and "EXIT".

### 1.2.1 Monitor Setup

Single-Right-Click in any window, the menu as below will be displayed. Click "PC Decoder Function" → "PC Decoder Setup" to enter **PC Decoder Setup**.



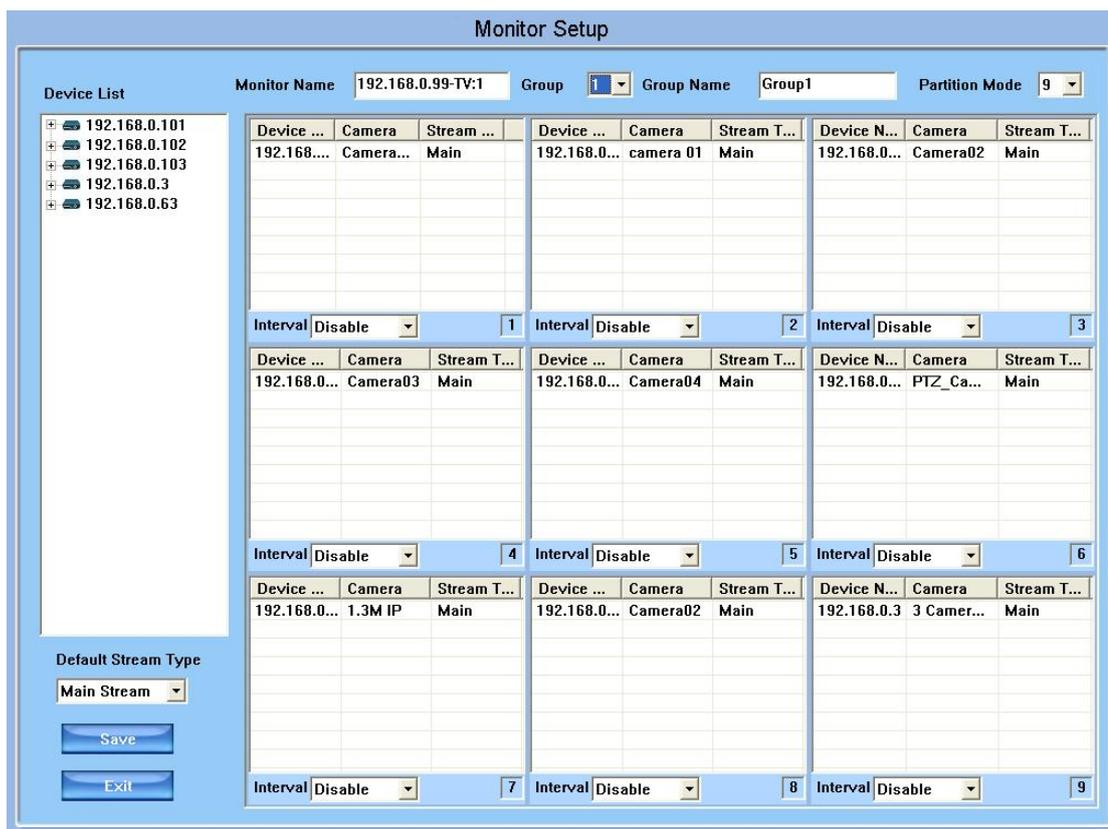
“TV: 1” is the main monitor in TV client. When there are dual monitors, the second monitor will be shown as “TV: 2” here.



## 1. Group Setup

Double click one TV monitor in the “Active Monitor List” to enter “Monitor Setup” displayed as below.

You can set as many as 16 groups for each TV monitor.



Select a group from the drop-down list to set it. You can define its name and partitions. The changed group name will be activated after software restarted. There are 1, 4, 9 and 16 partitions modes.

You can drag any cameras' name to the display window. Default stream type can be selected between "Main Stream" and "Sub Stream". After that, all the cameras in this group will display their main stream or sub stream in TV client. When you want to cancel the display of one camera in one window, double click it to remove. For example, you can double click "1.3M IP" to remove it from the 7<sup>th</sup> window.

Also, you can change the stream type of some cameras, not all. Move mouse to the stream type, then, there will be a drop-down list displayed. Select one stream type from the list to display. The other cameras you didn't change their stream type will be displayed as "Default Stream Type".

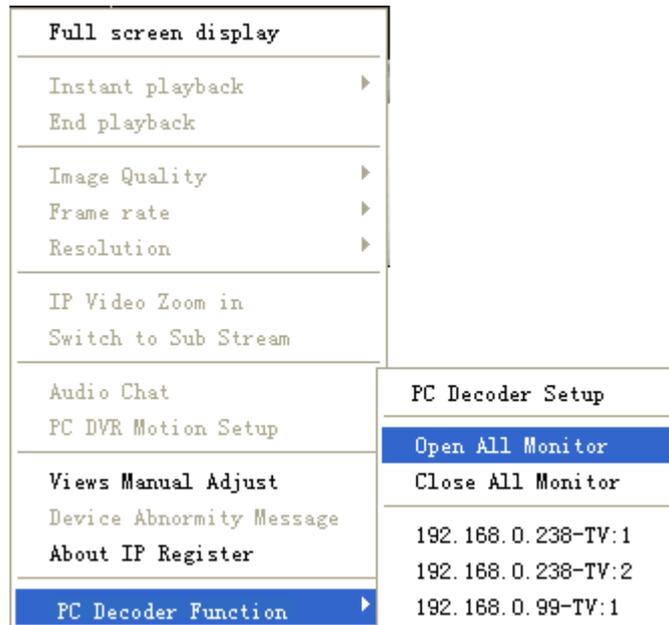




When all the settings are done, don't forget to click "Save" button on the left. You should click "Save" in both "Monitor Setup" and "PC Decoder Setup" interface. Then, click "Exit" to exit setup.

## 1.3 Monitor Control

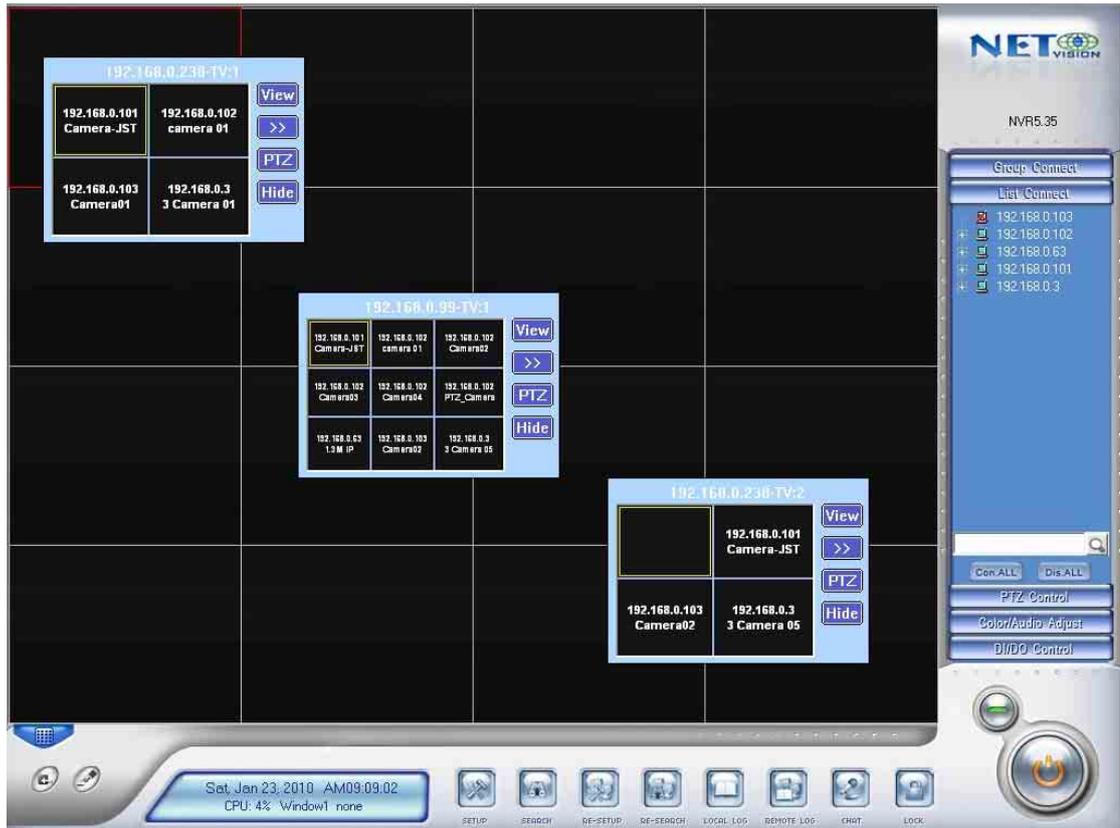
### 1.3.1 Monitor Status Display



Select "Open All Monitor" in right click menu to view all the monitors connected in the system. You can drag them to anywhere. The names of current display cameras on TV client will be shown in the monitor window.

Also, you can open only one monitor at a time via selecting it in the monitor list below "Close All Monitor". For example, click "192.168.0.99-TV: 1" to open the third monitor in the list shown as above.

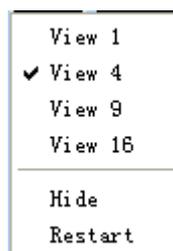
You can adjust the view mode, select cameras or groups to display and control PTZ on the monitor you opened just now. For more details, please refer to 1.3.2.



## 1.3.2 Monitor Control

### 1. View Adjust

Click  on monitor to enter this menu:



User can adjust the window split mode to 1, 4, 9 or 16 views mode.

When you select “Hide”, the windows on TV client will be hidden. Also, when you select “Restart”, TV client will restart.

### 2. Display Groups

Click  on monitor window to open the group name list. Select one group to display on the TV client. And the corresponding cameras' names will

be displayed in the monitor window.



When you select "Close All", you will close all the groups. At that time, there will be no camera displayed on TV client. And the monitor windows will turn to black. But you can drag cameras from "List Connect" panel to monitor window to display. Also, you can select a group name again to display.

### 3. PTZ Control

Click  on monitor window to enter PTZ control menu.



PTZ can only be controlled when PTZ camera is selected. It's nearly the same with the operations on PTZ control panel. But you can only call the preset you have set. You can't set the preset here.

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When there are more than one cameras displayed in a window, you can't control PTZ. But you can drag PTZ camera to this window to stop loop in the window and then control PTZ.

### 1.3.3 Close/Hide Monitor

Click **Hide** on monitor window to hide the window when you finished the settings.

Also, you can select "Close All Monitor" in right click menu to close all the monitors you opened.

