



How to install IP Cam Secure

Remote Live Viewer

Part 1: How to connect LevelOne IP Camera by IP Cam

Secure Software

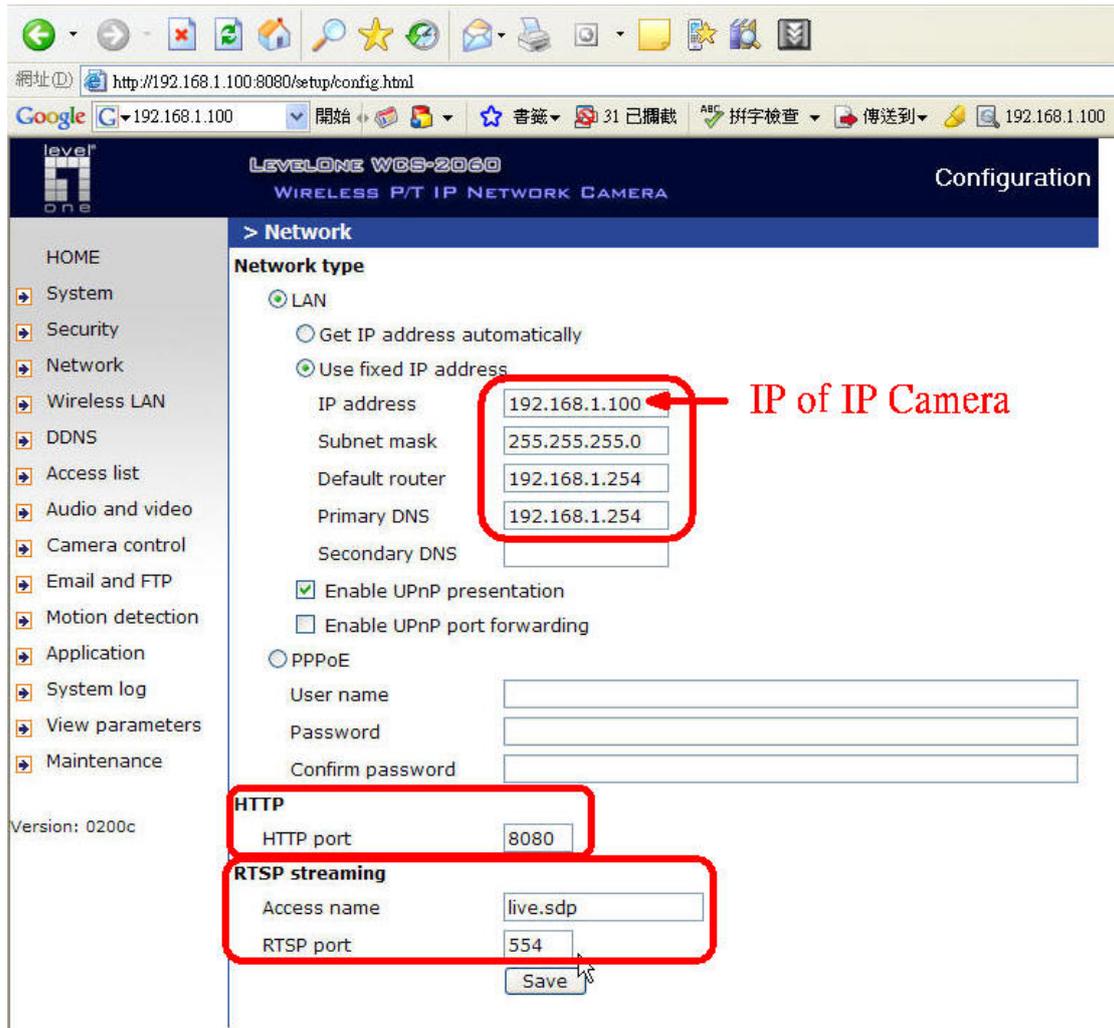
This guide is based on an assumption that user has already made an IP Camera working with IE browser and would like to use LevelOne IP CamSecure software for more features

This guide is written as a quick guide showing the steps required for implementation.

PC1: Windows XP IP:192.168.1.120 (LAN IP)

IP Camera: WCS-2060 IP: 192.168.1.100 (LAN IP)

Router: WBR-3406 IP: 61.31.169.65 (WAN IP)



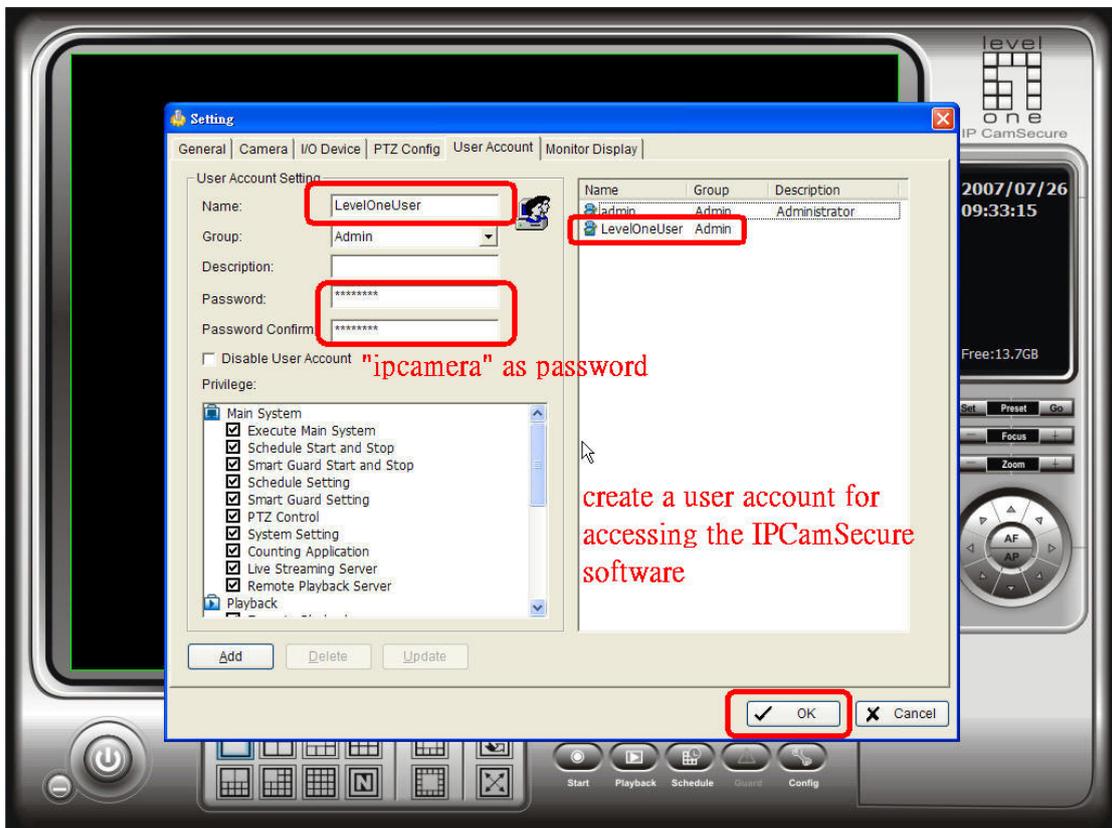
In the picture above, the network setting of WCS-2060 is displayed. In order to make IP CamSecure software work, user has to be consistent in the parameter settings of IP CamSecure and those in IP camera device.

- 1) Launch the Main Console of IP CamSecure software from Windows Program Files.

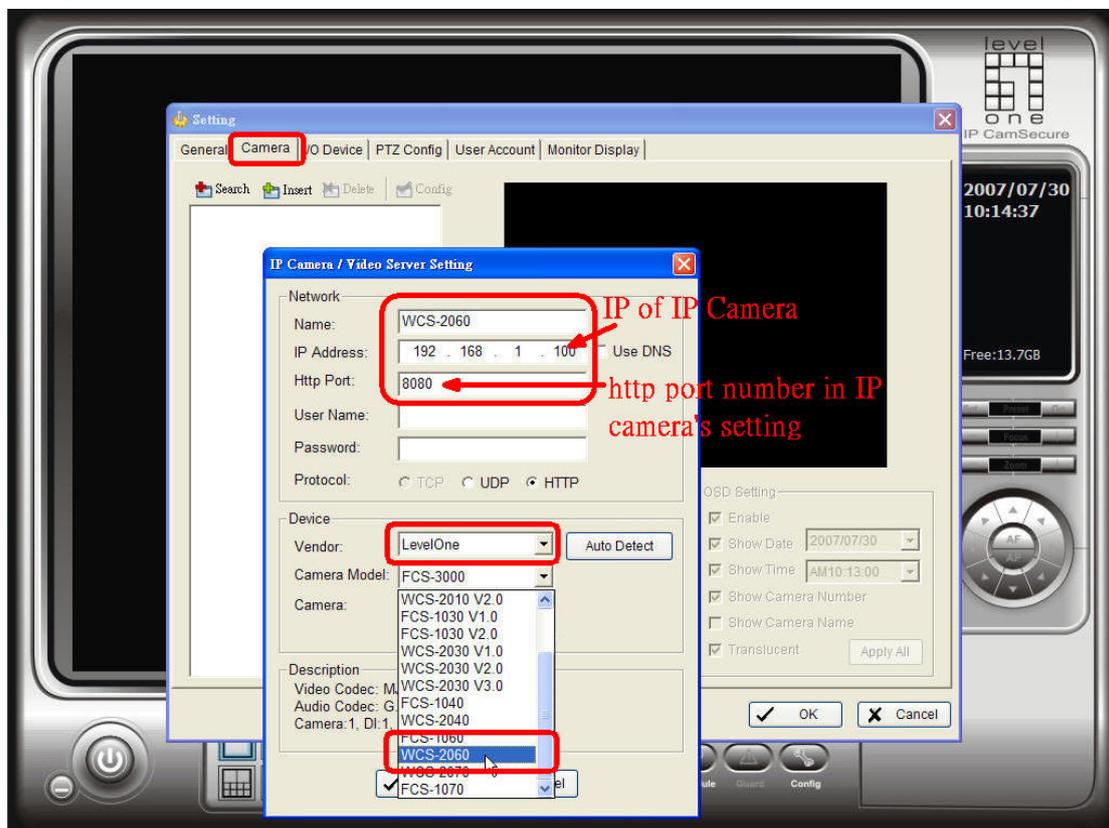


- 2) Click Config/Setting/UserAccount. Type in your desired user name and password for accessing the IP CamSecure software. In this example, a

user name "LevelOneUser" and password "ipcamera" is created.



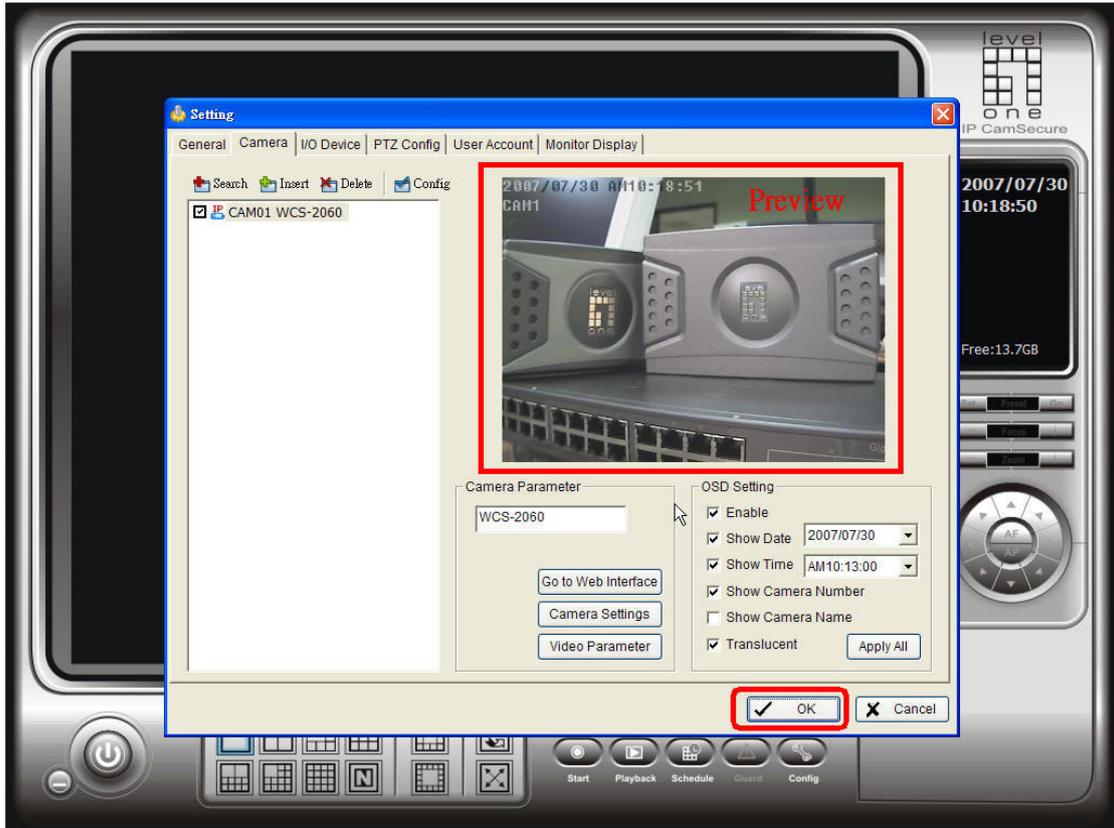
- 3) You can exit the Main Console program, re-launch it, and log in as the new account you just created.
- 4) Now we want to add a camera to the IP CamSecure Program. Click Config/Setting/Camera



Type in the name, IP of IP Camera, the defined Http Port number, the User and Password account on IP Camera. Go to Device section and select the respective Camera Model. Note: you have to match the settings in your IP camera with the settings here.

After entering all necessary information, click “OK” in the IP Camera/Video Server Setting window. If a confirmation window pop-ups, you can just click “yes” to continue.

- 5) You should be able to see a preview of the image view of IP camera now. Click “OK” to close the window and IP CamSecure software will configure the setting and display the image in the large Main Console window as shown in the picture below.



Part 2: Remote Live Viewer

In this section, we will see the steps needed to enable the “Remote Live Viewer” function of LevelOne IP CamSecure software. What “Remote Live Viewer” does is allowing a remote PC(s) (PC2 and PC3 in this case) to view whatever LevelOne IP CamSecure software of PC1 is monitoring. In short, PC2 and PC3 would view what PC1 is seeing.

PC1: Windows XP IP:192.168.1.120 (LAN IP)
PC2: Windows XP IP: 219.81.167.195 (WAN IP)
PC3: Windows XP IP: 192.168.1.130 (LAN IP)
IP Camera: WCS-2060 IP: 192.168.1.100 (LAN IP)
Router: WBR-3406 IP: 61.31.167.12 (WAN IP)

- 1) The first step is to configure router to forward necessary ports. In this example, a LevelOne WBR-3406 is being used. As shown in picture below, we have opened up three ports: 8080, 554, and 5150.

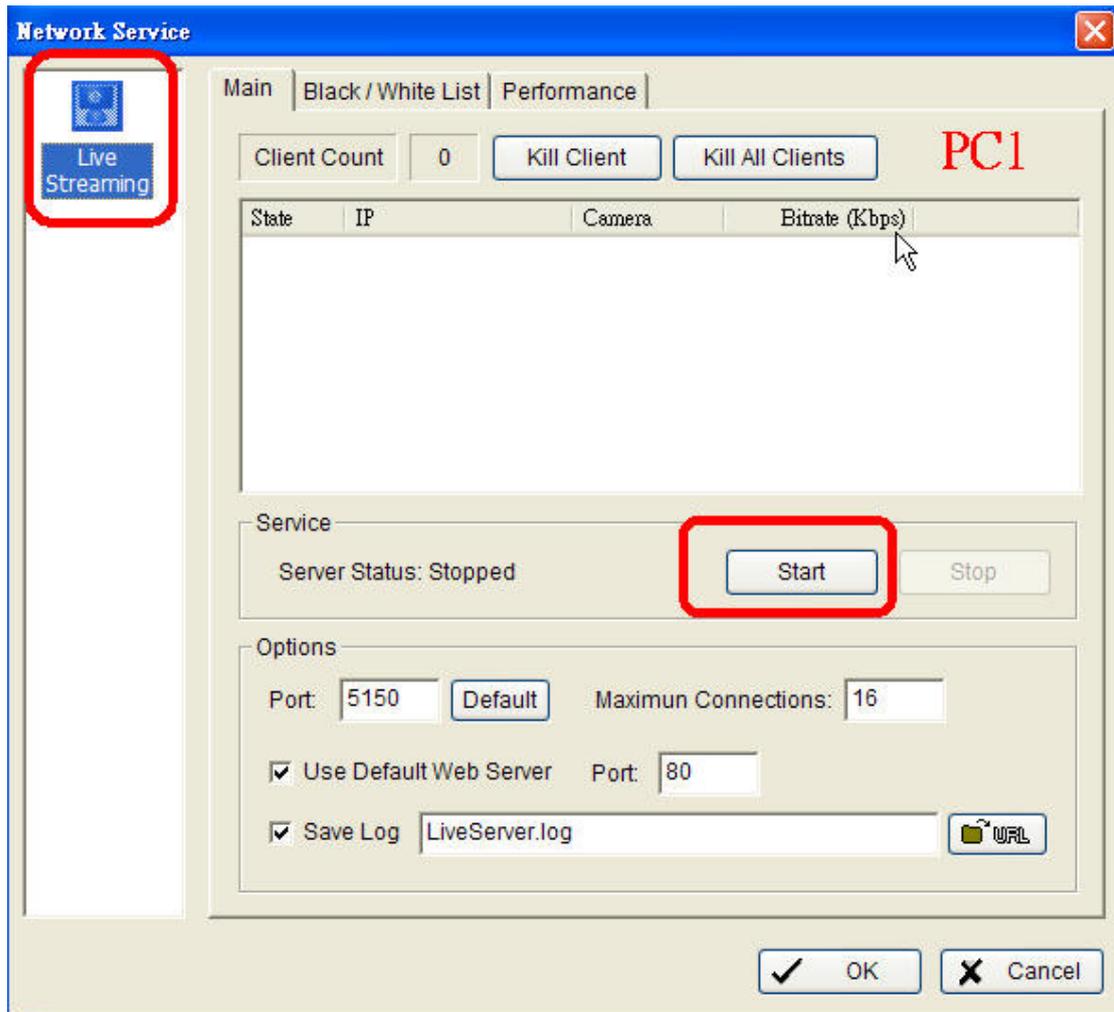
The screenshot shows the 'Virtual Server' configuration page in the LevelOne Broadband Router Configuration utility. The interface includes a navigation menu on the left with 'Forwarding Rules' selected, and a main table for configuring virtual servers. The table has columns for ID, Service Ports, Server IP, Enable, and Use Rule#. Three entries are visible, corresponding to the ports mentioned in the text: 8080 (http), 554 (rtsp), and 5150 (Remote Live Viewer). Red arrows and boxes highlight the specific configurations for each entry.

ID	Service Ports	Server IP	Enable	Use Rule#
1	8080	192.168.1.100	<input type="checkbox"/>	0
2	554	192.168.1.100	<input checked="" type="checkbox"/>	0
3	5150	192.168.1.120	<input type="checkbox"/>	0
4		192.168.1.	<input type="checkbox"/>	0
5		192.168.1.	<input type="checkbox"/>	0
6		192.168.1.	<input type="checkbox"/>	0
7		192.168.1.	<input type="checkbox"/>	0
8		192.168.1.	<input type="checkbox"/>	0
9		192.168.1.	<input type="checkbox"/>	0
10		192.168.1.	<input type="checkbox"/>	0
11		192.168.1.	<input type="checkbox"/>	0
12		192.168.1.	<input type="checkbox"/>	0

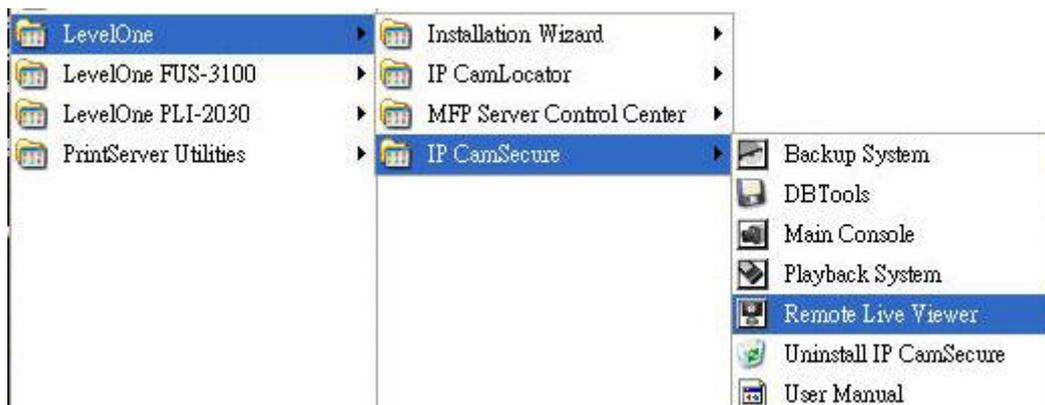
Here port 8080 of http and port 54 of rtsp protocol is forwarded to the IP address of the IP Camera. For the remote live view feature, we need to forward port number 5150 by default to PC1 which is running IP CamSecure main console.



- 2) On PC1, launch LevelOne IP CamSecure **Main Console** as before and go to Config/Network Service. A Network Service window would pop out; click on the “Live Streaming” icon and click on “Start.” Now PC1 setting is complete.

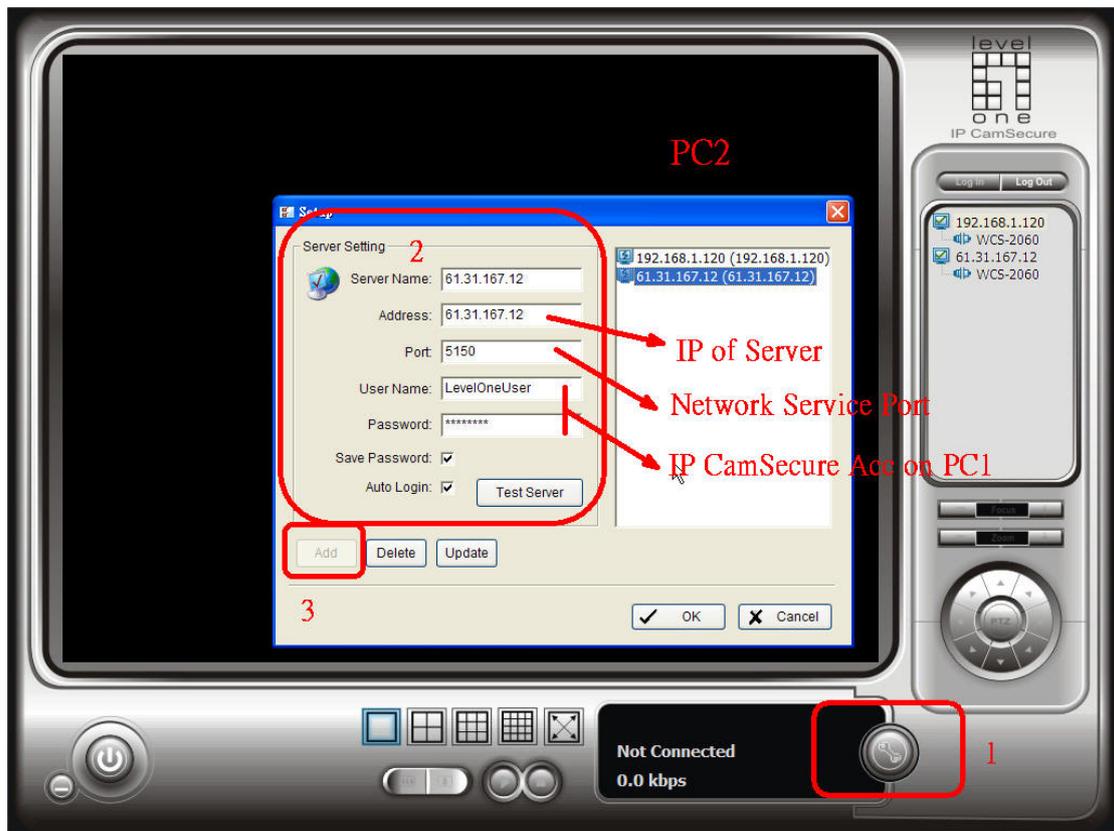


3) On PC2, launch LevelOne IP CamSecure **Remote Live Viwer.**



4) Go to Config, and a Setup window would pop up. Type in the IP address of the server, the port number (5150 by default), and the IP CamSecure account created on PC1. Click “Add” to add the setting to a profile on the right. Since PC2 is from Internet with a public IP address, the server IP

has to be that of the router.



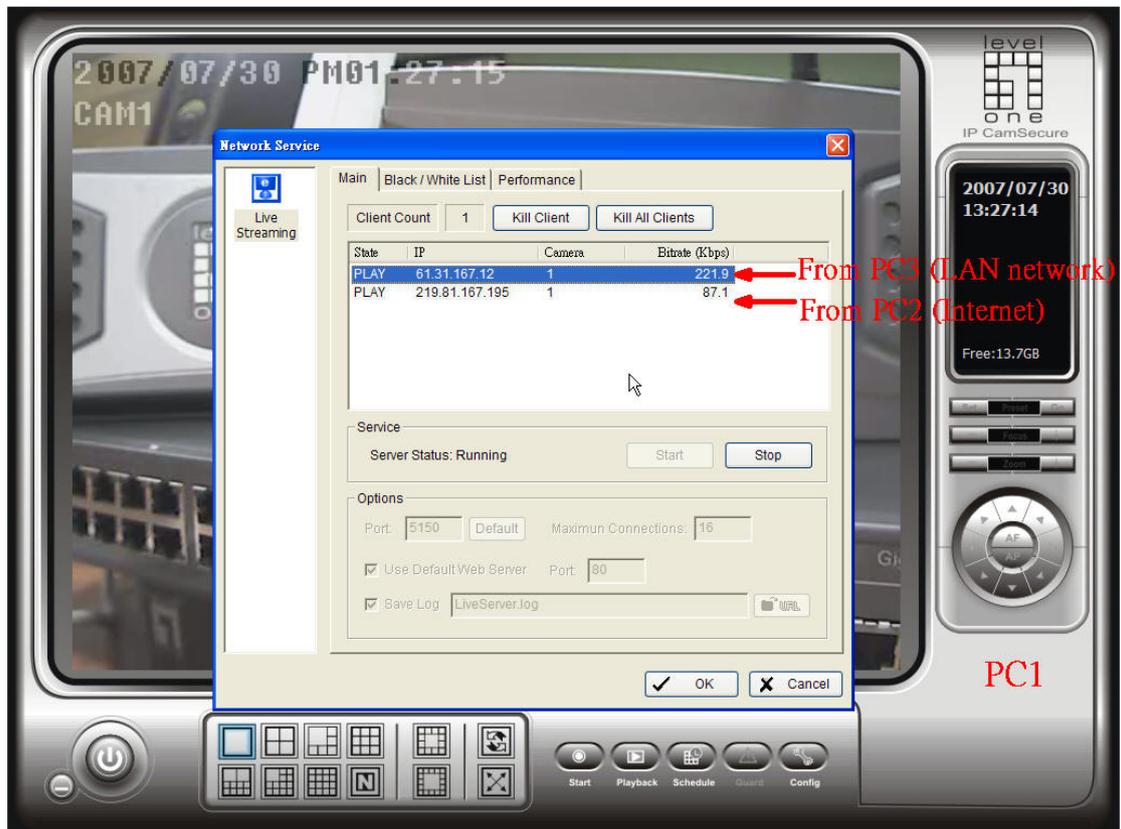
5) Right click on the profile you want to associate to and click "Connect."



6) Now you can see what PC1 is viewing. If you want to change the view of IP Camera, you may do so with the direction control panel.



- 7) Repeat step 4-6 if you want to do the Remote Live View on a LAN PC. In this example, PC3 is a LAN PC; therefore, the server IP should be set to the IP address of PC1.
- 8) If we go back to PC1 now, we would be able to observe which client is associating with PC1's IP CamSecure software.



- 9) PC1 has the control over the associating clients. PC1 can terminate their connection by the "kill client" function. More, PC1 can have an access control from its Black/White list function.
- 10) If you want to terminate the network service, you can simply click "Stop" icon.