



# **Intelligent IP Installer**

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# How to Use Intelligent IP Installer

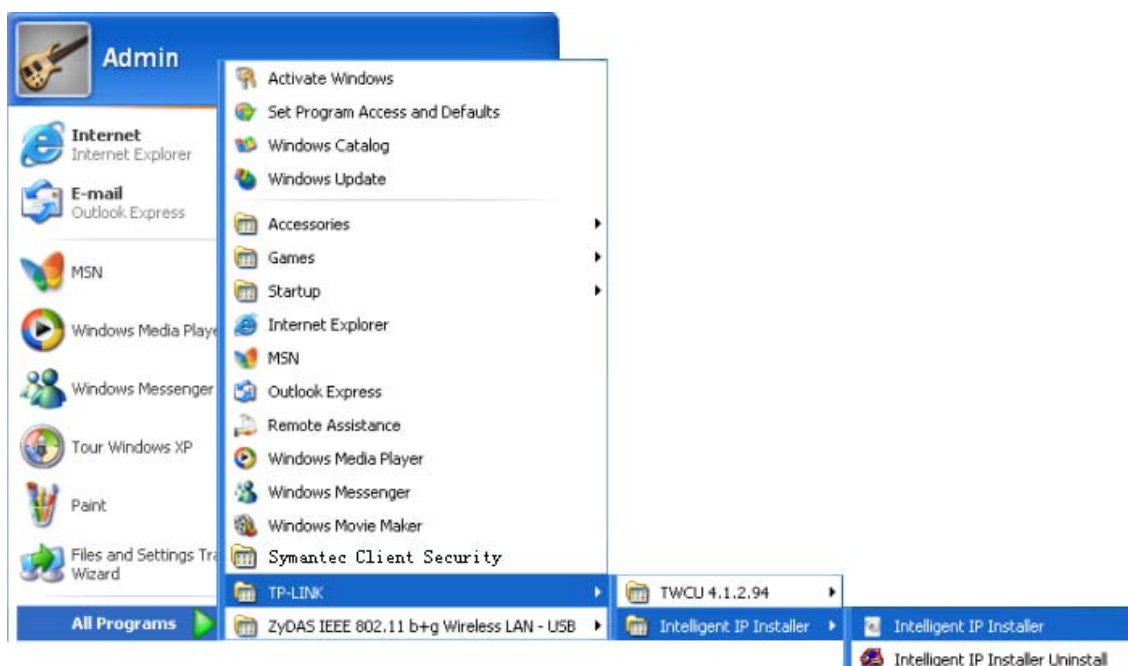
This chapter introduces how to monitor the image from the camera using **Intelligent IP Installer**. The IP cameras can be used with Microsoft web browsers and Intelligent IP Installer in Windows operating systems. This document focuses on introducing you to Intelligent IP Installer. If you want to know how to use IP cameras with Microsoft web browsers, please check the camera user manuals.

# 1. Initial use Intelligent IP Installer

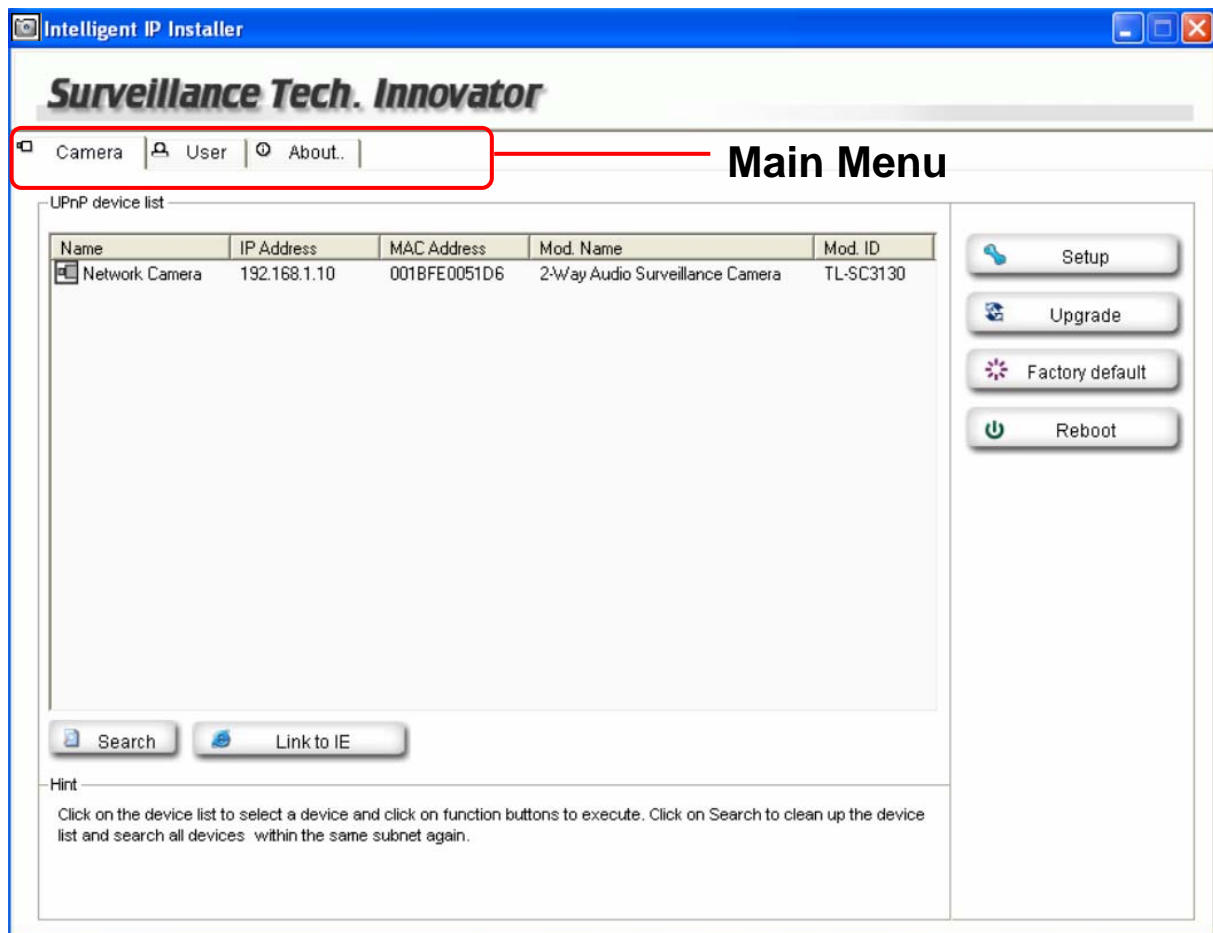
1. Install the program of Intelligent IP Installer.

## Note:

- If you're using Windows 98 or ME, please install **IP Installer** before using WEB UI to ensure the system runs normally.
  - If you can't view the recorded video file (missing video decoder), please install **Xvid codec** while installing Intelligent IP Installer. (For Windows 98, ME or 2000 server, the codec might not work properly. You'll need to download **Xvid codec 1.0** from the internet.)
2. Click **Start -> Program Files -> TP-LINK -> Intelligent IP Installer -> Intelligent IP Installer** to start using the program.



## 2. Configuration of Main Menu



### Main Menu

#### Camera

Click this button to get into common information of all Network Cameras in local network. You can connect the specific Network Cameras to get live video and to optimize video setting.

#### User

Click this button to get into user basic setting information of all Network Cameras in network. You can connect the specific Network Cameras to get and set basic values. This section includes **Info**, **User**, **Date Time**, **TCP/IP**, **PPPoE** and **DDNS**.

#### Note:

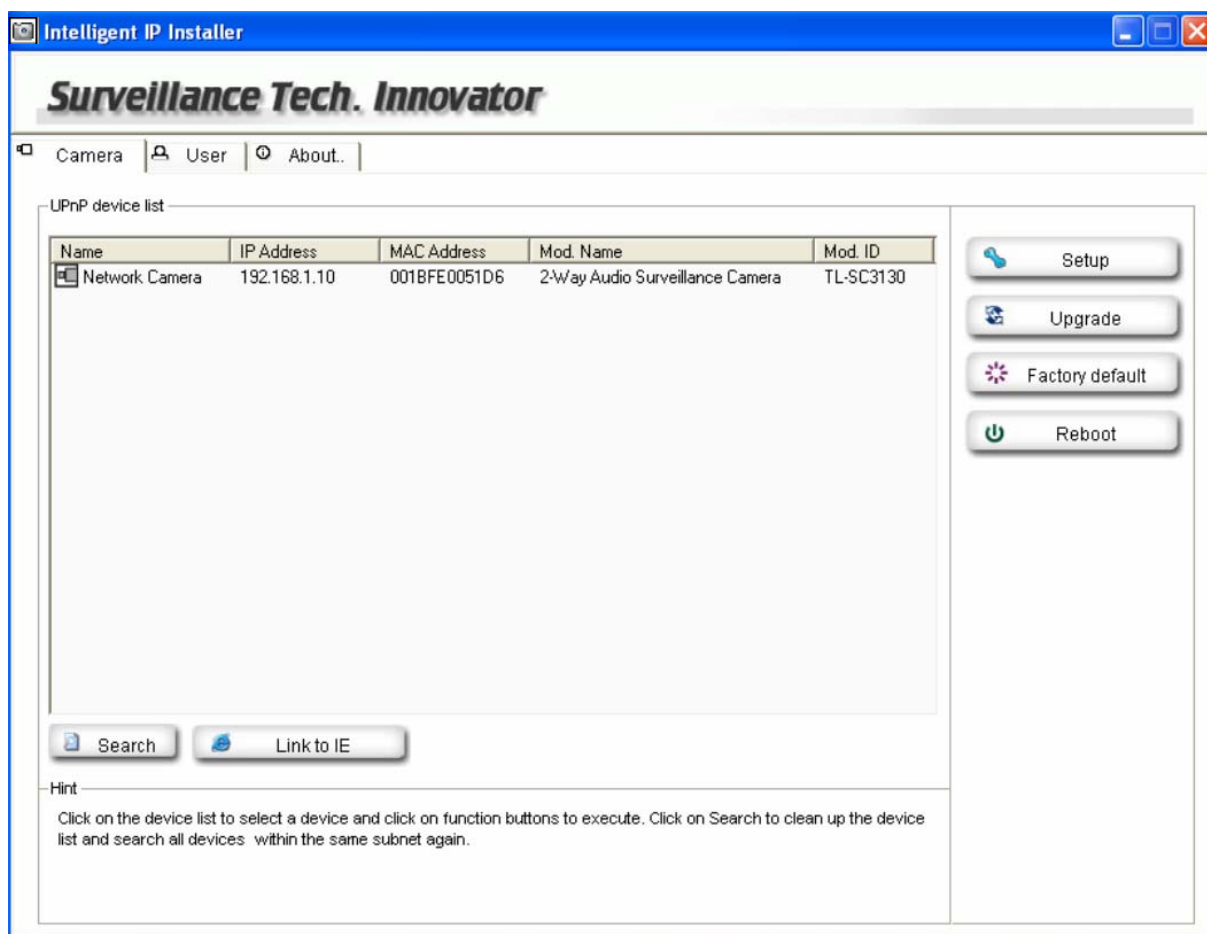
Only the administrator has access to the Settings.

#### About

Click this button to get the information of Intelligent IP Installer.

### 3. Camera

The Camera page provides you all Network Cameras in the network with product factory information, including **product Name**, **IP Address**, **MAC Address**, **Mod. Name** and **Mod. ID**.



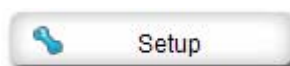
**Search** : Click it to search Network Cameras in the network, it displays Network Cameras information including Name, IP Address, MAC, Mod. Name and Mod. ID.

#### **Note:**

- If the camera is not located in local network, it will appear in red text. Some information is not available when the IP camera is not in local network.
- The IP addresses shown in the "IP Address" field reflect those on the local network. They may be from the DHCP server. If there is no DHCP server, the video server will try to find a free IP address (this takes from 15 second to 3 minutes, depending on the LAN status). The method of finding IP address is seeking from 192.168.1.2, to 192.168.1.254. If any of the address inside this range is free, the Network Video server will be assigned to this IP address, and its subnet mask would be 255.255.255.0.

**Link to IE** : After searching Network Cameras in network, you can click to specific Network Cameras in search area and press **Link to IE** to use IP cameras with Microsoft web browsers.

## 3.1 Setup



Choose a network camera, click on **Setup** to change the configurations. You have to key in the username and password of the administrator to enter the setup page.

The following screen will display:

**Note:**

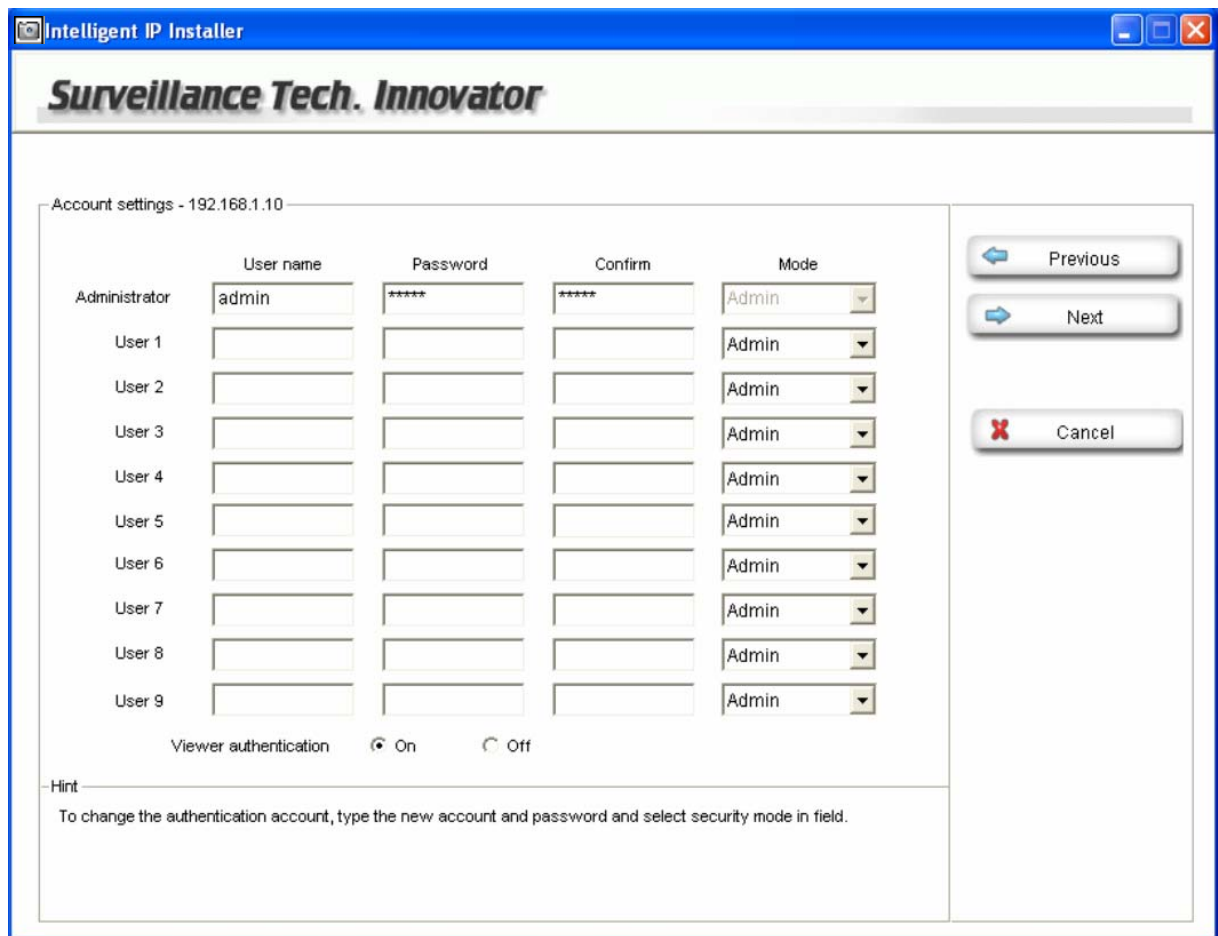
For IP cameras not in local network area (which appears in red in the search screen), you can still use setup to change the configurations of these cameras.

**System Information:** The system information is displayed.

A screenshot of the "Intelligent IP Installer" window. The title bar says "Intelligent IP Installer". The main header says "Surveillance Tech. Innovator". Below the header, it says "System information - 192.168.1.10". There are three input fields: "Product Name" with the value "2-Way Audio Surveillance Camera", "Firmware Version" with the value "LM.1.6.16.03P2\_Sign3", and "Web version" with the value "LM.1.6.16.03P2". To the right of these fields are three buttons: "Previous", "Next", and "Cancel". At the bottom, there is a "Hint" section that says "System information displays device product name, firmware and Web version."

Press **Next** to continue, **Previous** to go back, **Cancel** to go to the main page.

**Account settings:** The account setting is displayed. You can change the account setting here.



The image shows a software window titled "Intelligent IP Installer" with a subtitle "Surveillance Tech. Innovator". The main content area is titled "Account settings - 192.168.1.10". It contains a table for user accounts and a "Viewer authentication" section.

	User name	Password	Confirm	Mode
Administrator	admin	*****	*****	Admin
User 1				Admin
User 2				Admin
User 3				Admin
User 4				Admin
User 5				Admin
User 6				Admin
User 7				Admin
User 8				Admin
User 9				Admin

Viewer authentication ☒ On ☐ Off

**Hint**  
To change the authentication account, type the new account and password and select security mode in field.

Navigation buttons: Previous, Next, Cancel.

Press **Next** to continue, **Previous** to go back, **Cancel** to go to the main page.



**Date/Time settings:** You can set the date/time of the network camera here. See "Hint" for details.

The screenshot shows a window titled "Intelligent IP Installer" with a subtitle "Surveillance Tech. Innovator". The main content area is titled "Date/Time settings - 192.168.1.10". It contains several input fields and radio buttons for configuring the camera's date and time. On the right side of the window, there are three buttons: "Previous", "Next", and "Cancel".

Current Setting : 1/ 1/1970 12:02:15

PC clock : 3/17/2001 05:55:56

Adjust : ☐ Keep current setting  
☐ Synchronize with PC  
☐ Manual setting :

1/ 1/2008 00:00:00

☒ Synchronize with NTP :  
NTP server name : pool.ntp.org ☒ Auto  
Interval 01 hours.

Time zone : (GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi

**Hint**  
There are three ways to adjust system date and time. The easiest way is to select Network Camera to Synchronize with PC. The second way is to Manually adjust settings to set the date and time by entering new values. The third way is to Synchronize with NTP and allow the Network Camera to automatically synchronize with available time servers over the Internet.

Press **Next** to continue, **Previous** to go back, **Cancel** to go to the main page.

**Network settings:** You can change the network settings of the network camera here. See “Hint” for details.

Intelligent IP Installer

**Surveillance Tech. Innovator**

Network settings - 192.168.1.10

Http Port : ☒ Port 80 ☐ others  (1024 - 65535)

MAC Address : 00:1B:FE:00:51:D6

IP Address

☒ Obtain IP automatically (DHCP)

☐ Use the following IP

IP Address :

Subnet mask :

Default Gateway :

DNS Setting

☒ Obtain DNS server automatically

☐ Use the following DNS server

Primary DNS :

Secondary DNS :

Previous

Next

Cancel

Hint

You can change the device HTTP port, IP address, subnet mask, default gateway, primary DNS, and secondary DNS. If you use PPPoE, skip IP address and DNS settings. Then click on Next to setup PPPoE.

Press **Next** to continue, **Previous** to go back, **Cancel** to go to the main page.

**PPPoE settings:** You can change the PPPoE settings here. See “Hint” for details.

The screenshot shows a window titled "Intelligent IP Installer" with a blue header bar. Below the header, the text "Surveillance Tech. Innovator" is displayed in a stylized font. The main content area is titled "PPPoE settings - 192.168.1.10". It contains two main sections: "PPPoE" and "DNS Setting".

The "PPPoE" section has two radio buttons: "On" (unselected) and "Off" (selected). Below these are four text input fields labeled "IP Address:", "User ID:", "Password:", and "Confirm:". The "IP Address" field is highlighted with a yellow background.

The "DNS Setting" section has two radio buttons: "Obtain DNS server automatically" (selected) and "Use the following DNS server" (unselected). Below these are two text input fields labeled "Primary DNS:" and "Secondary DNS:". Both fields are highlighted with a yellow background.

On the right side of the window, there are three buttons: "Previous" (with a left arrow), "Next" (with a right arrow), and "Cancel" (with a red X). The "Next" button is highlighted.

At the bottom of the window, there is a "Hint" section with the text: "Please input correct PPPoE settings include login user ID, password, primary DNS, and secondary DNS."

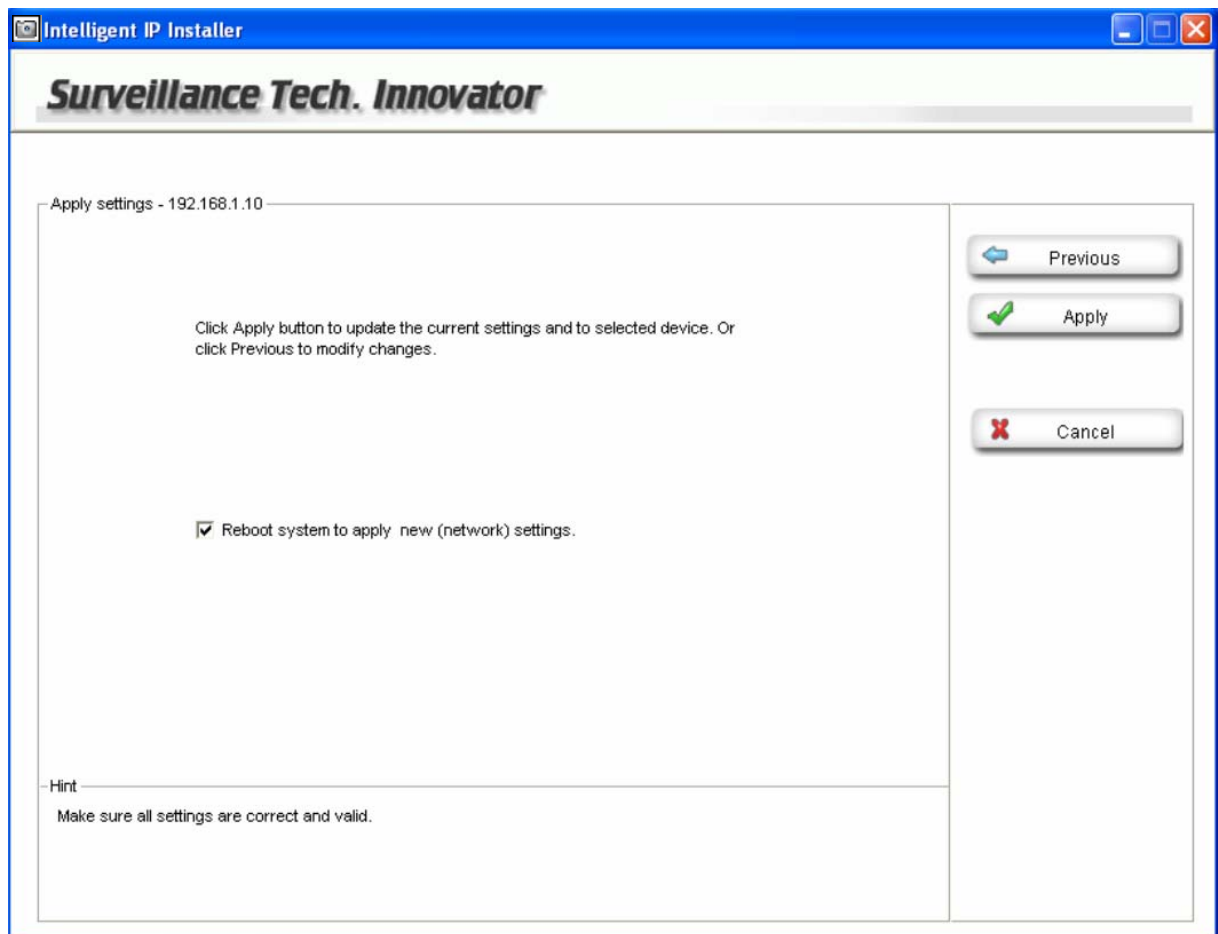
Press **Next** to continue, **Previous** to go back, **Cancel** to go to the main page.

**DDNS settings:** You can change the DDNS settings here.

The screenshot shows a window titled "Intelligent IP Installer" with a blue header bar. Below the header is a green banner with the text "Surveillance Tech. Innovator". The main content area is titled "DDNS settings - 192.168.1.10". It contains a section for DDNS settings with two radio buttons: "On" and "Off", with "Off" selected. Below this are five input fields: "Server Name" (a dropdown menu showing "http://www.dyndns.org"), "User ID", "Password", "Confirm", and "Hostname". To the right of these fields are three buttons: "Previous" (with a left arrow), "Next" (with a right arrow), and "Cancel" (with a red X). At the bottom left, there is a "Hint" section with the text: "Please input correct Dynamic DNS settings include login user ID, password, and registered DDNS Hostname."


Press **Next** to continue, **Previous** to go back, **Cancel** to go to the main page.

**Apply settings:** Click on **Apply** to use the new settings.

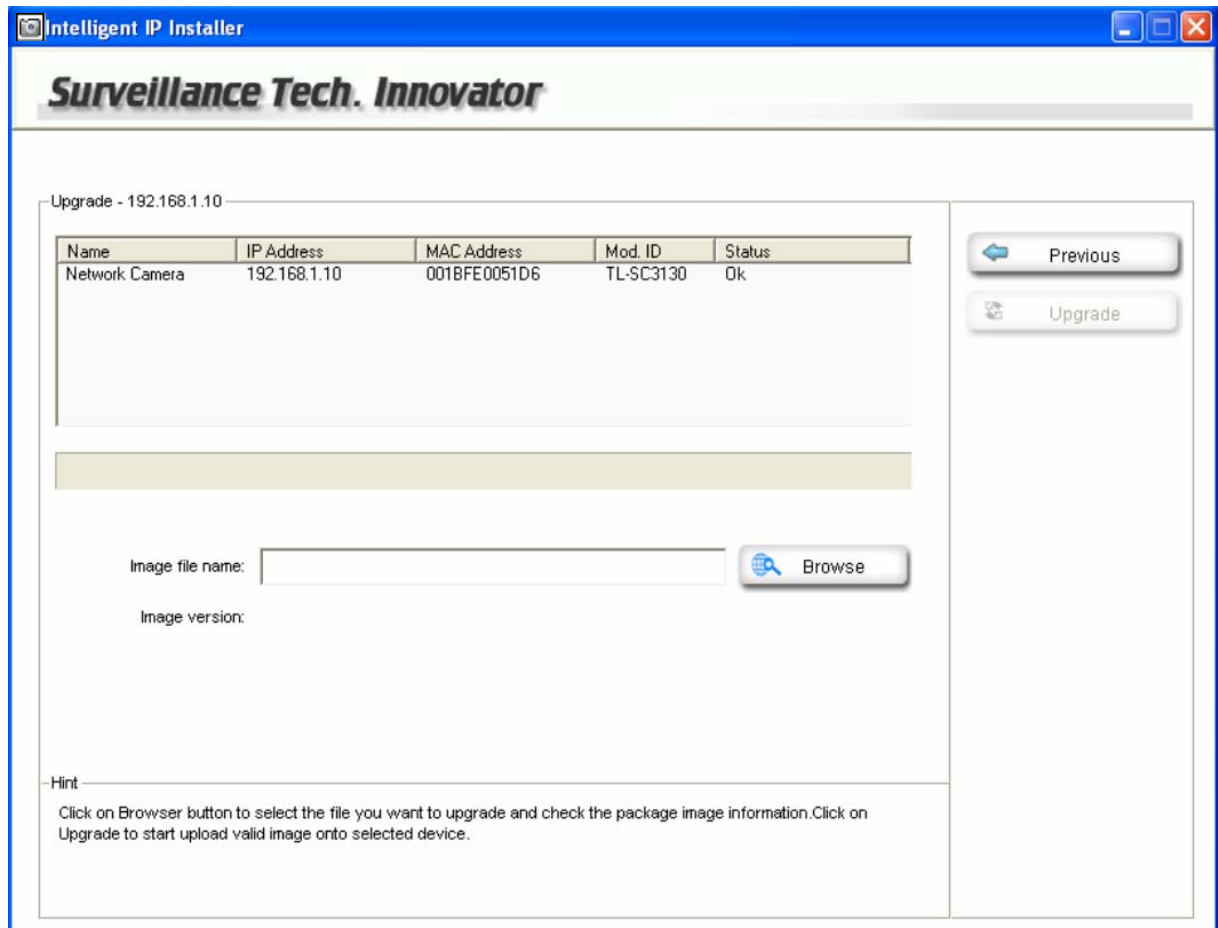


Choose **Reboot system to apply new (network) settings** to reboot after the settings are applied.

## 3.2 Upgrade

Choose a network camera, click on **Upgrade**  **Upgrade** to upgrade the firmware. You have to key in the username and password of the administrator to enter the upgrade page.

The following screen will display:



Name	IP Address	MAC Address	Mod. ID	Status
Network Camera	192.168.1.10	001BFE0051D6	TL-SC3130	Ok


Image file name:   **Browse**

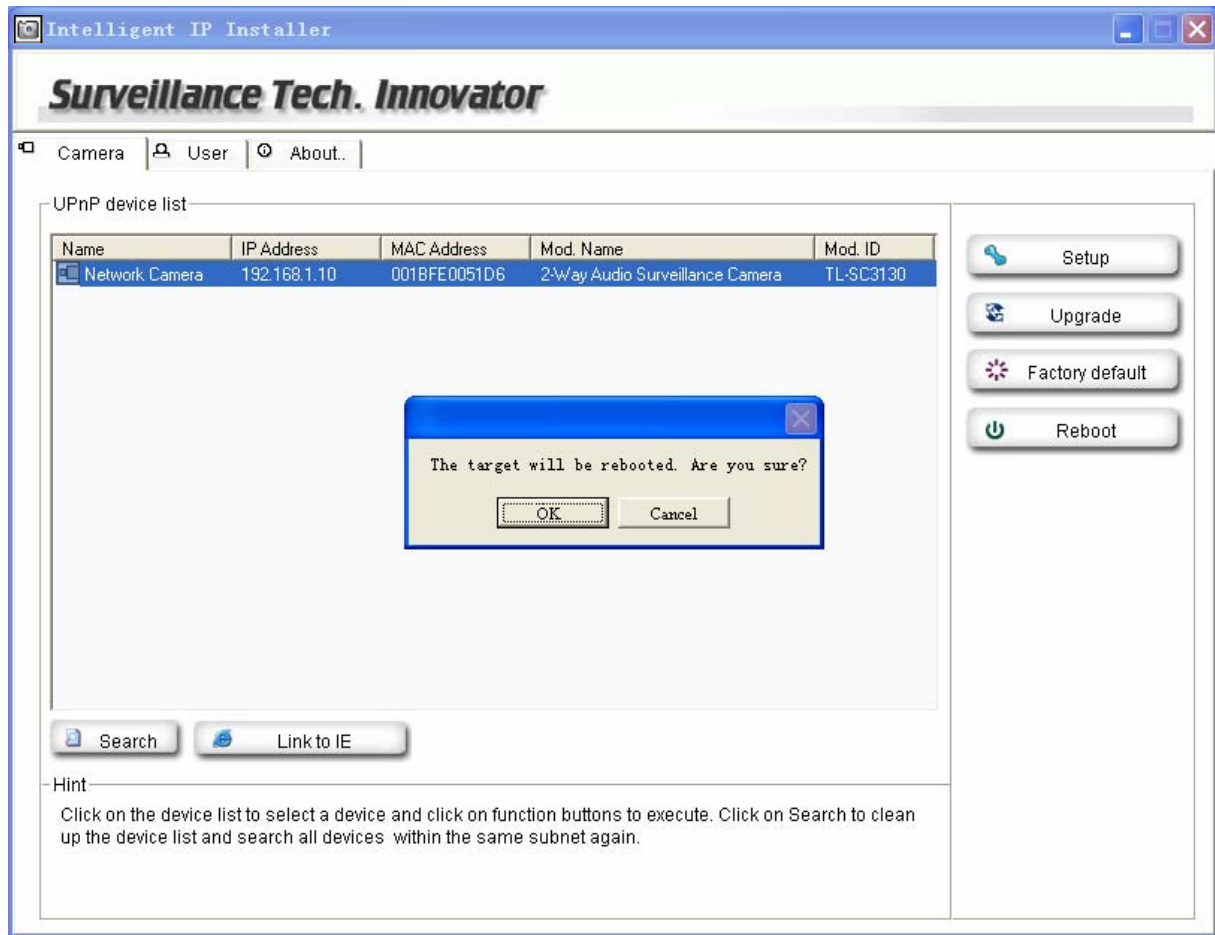
Image version:

**Hint**  
Click on Browser button to select the file you want to upgrade and check the package image information. Click on Upgrade to start upload valid image onto selected device.

Choose the firmware image file you want to upgrade and press **Upgrade** to start. The device will automatically reboot after upgrade.

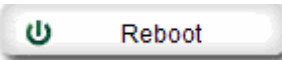
### 3.3 Factory Default

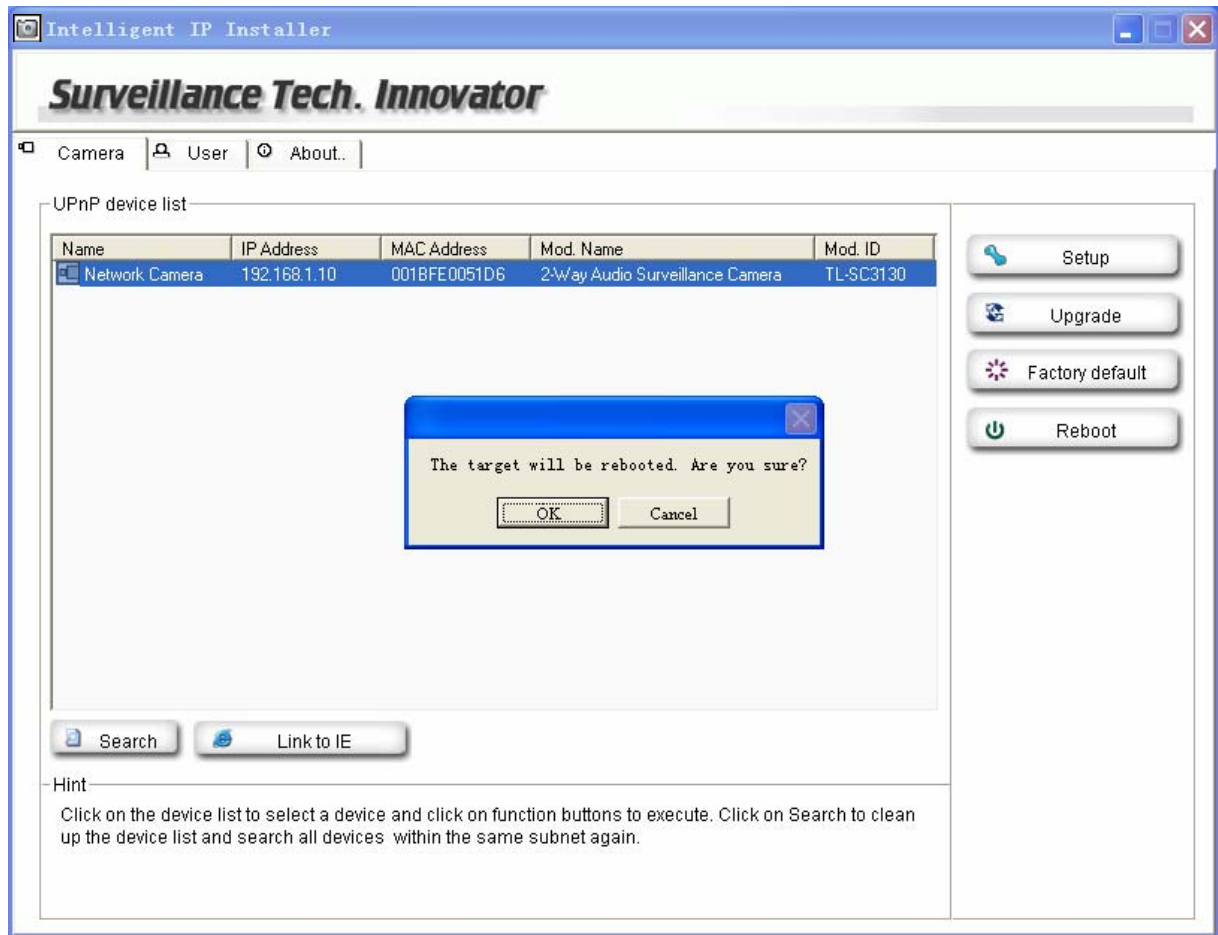
Choose a network camera, click on **Factory default**  **Factory default** to reset the configurations to default. You have to key in the user name and password to use the factory default function.



Click on **OK** to continue. The device will automatically reboot after the configurations set to default.

## 3.4 Reboot

Choose a network camera, click on **Reboot**  to reboot the device. You have to key in the user name and password to use the reboot function.

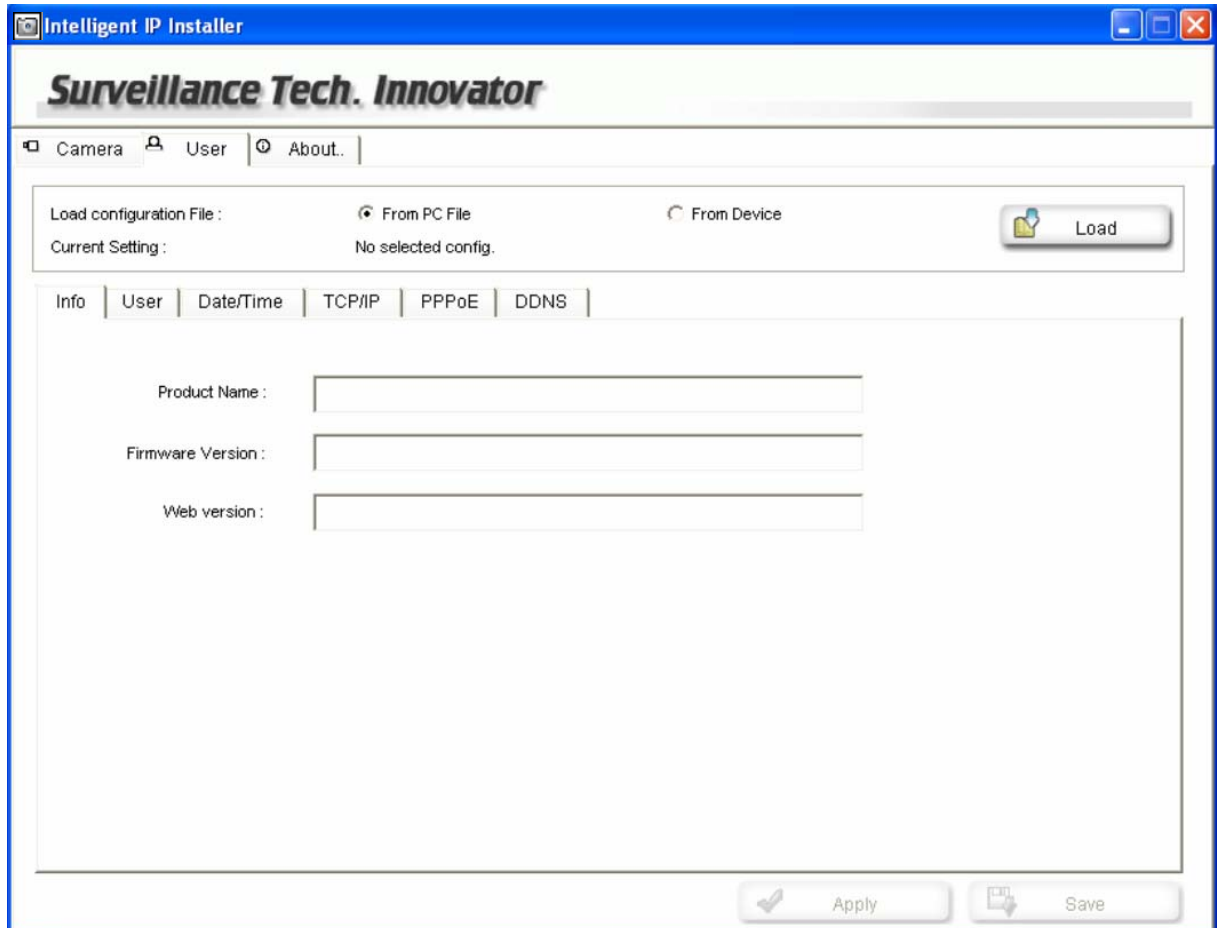


Click on **OK** to continue. The device will automatically reboot.



## 4. User

The System page provides you all Network Cameras configurations in the network with product or downloaded configuration file information, including **Info**, **User**, **Date Time**, **TCP/IP**, **PPPoE** and **DDNS**.



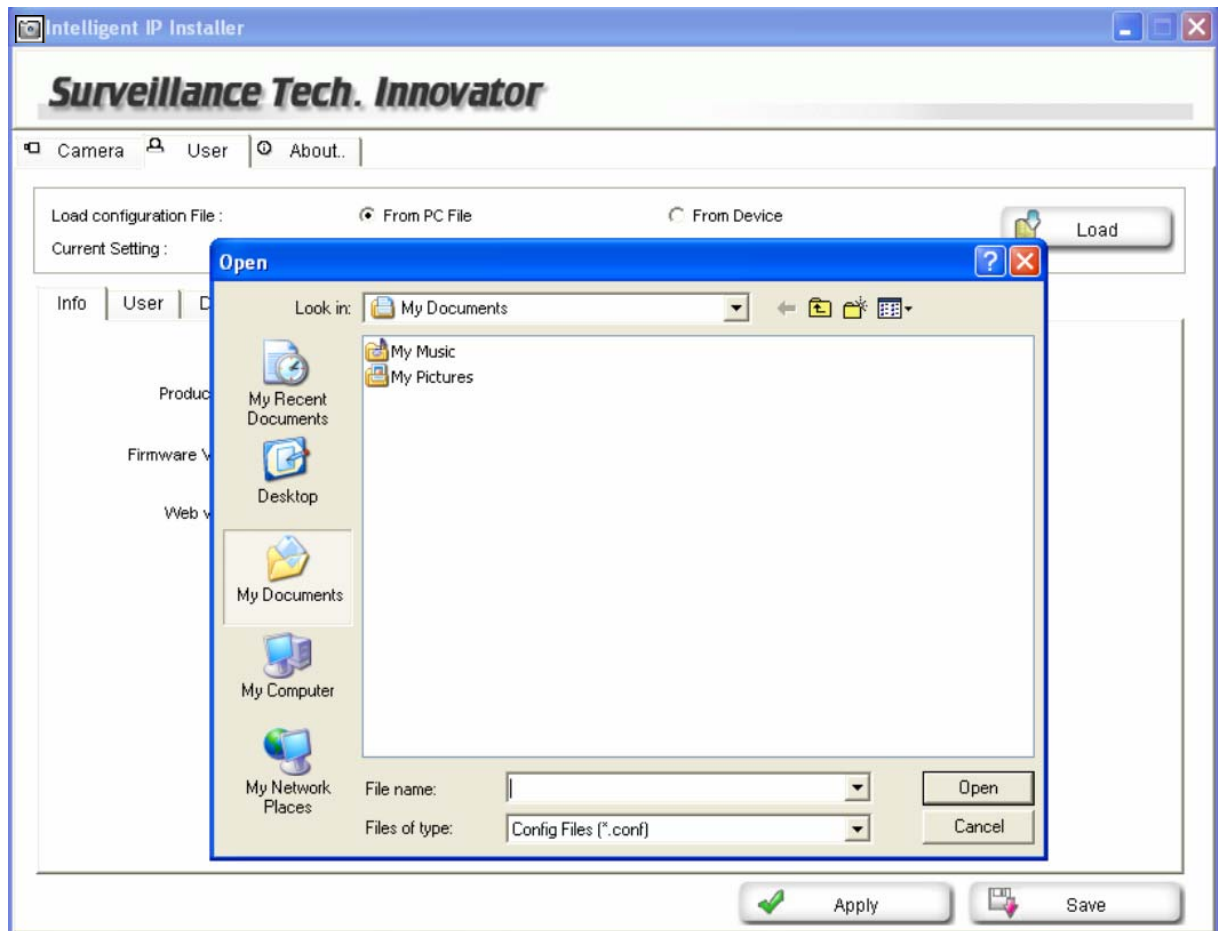
The screenshot shows the 'Intelligent IP Installer' window. The title bar is blue with the text 'Intelligent IP Installer'. Below the title bar is a green banner with the text 'Surveillance Tech. Innovator'. The main window has a menu bar with 'Camera', 'User', and 'About..'. The 'User' tab is selected. Below the menu bar, there are two radio buttons: 'From PC File' (selected) and 'From Device'. To the right of these buttons is a 'Load' button with a folder icon. Below the radio buttons, it says 'Current Setting: No selected config.'. Below this, there are six tabs: 'Info', 'User', 'Date/Time', 'TCP/IP', 'PPPoE', and 'DDNS'. The 'User' tab is selected. The main area of the 'User' tab contains three text input fields: 'Product Name:', 'Firmware Version:', and 'Web version:'. At the bottom right of the window, there are two buttons: 'Apply' and 'Save'.

**Load configuration File** : Select **From PC File** or **From Device**, the former can load information of downloaded configuration file and the latter can load Network Camera configurations in the network.

**From PC File** : Select it and press **Load** to select configuration location from PC.

 **Note:**

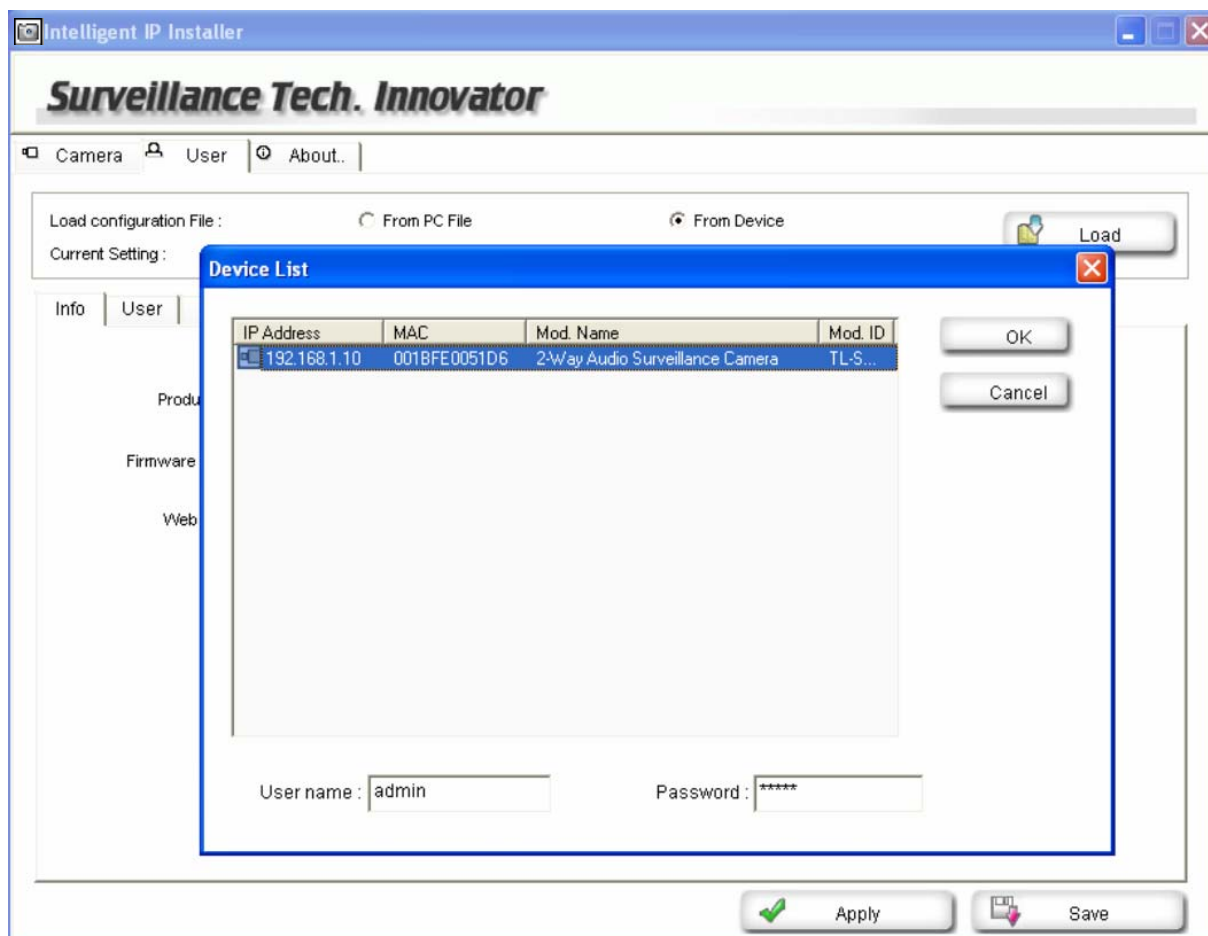
Configuration file format is \* conf.



**From Device** : Select it and press **Load** to select the specific device in the network. Type the **Username** and **Password** to load configuration from device.

**Note:**

If you have connected to the specific device before, you don't have to type the Username and Password again.



After loading, you can get configuration from PC files or devices. Intelligent IP Installer displays the sub folders including **Info**, **User**, **Date Time**, **TCP/IP**, **PPPoE** and **DDNS**.

## 4.1 Info

The Info page provides you with product factory information, including **Product Name**, **Firmware Version** and **Web version**.

The screenshot shows the 'Intelligent IP Installer' web interface. The title bar reads 'Intelligent IP Installer'. The main header features the logo 'Surveillance Tech. Innovator'. Below the header is a navigation bar with tabs: 'Camera', 'User', and 'About..'. The 'Camera' tab is active. The main content area has a section for loading configuration files with two radio buttons: 'From PC File' (unselected) and 'From Device' (selected). A 'Load' button is to the right. Below this is a 'Current Setting' field showing '192.168.1.10'. A secondary navigation bar contains tabs: 'Info', 'User', 'Date/Time', 'TCP/IP', 'PPPoE', and 'DDNS'. The 'Info' tab is selected, displaying three fields: 'Product Name' with the value '2-Way Audio Surveillance Camera', 'Firmware Version' with 'LM.1.6.16.03P2\_Sign3', and 'Web version' with 'LM.1.6.16.03P2'. At the bottom right are 'Apply' and 'Save' buttons.

Field	Value
Product Name :	2-Way Audio Surveillance Camera
Firmware Version :	LM.1.6.16.03P2_Sign3
Web version :	LM.1.6.16.03P2

## 4.2 User

The Network Camera default account and password setting is “admin/admin”. Intelligent IP Installer provides to assign a password if the Network Camera is intended to be accessed by others. Use this menu to set the username and password of Administrator and up to 9 different users (User 1 to User 9), and the authentication access right of each group.

	User name	Password	Confirm	Mode
Administrator	admin	*****	*****	Admin
User 1				Admin
User 2				Admin
User 3				Admin
User 4				Admin
User 5				Admin
User 6				Admin
User 7				Admin
User 8				Admin
User 9				Admin

Viewer authentication ☒ On ☐ Off

Apply Save

- **Username** : Set a user name between 5 and 16 characters.
- **Password** : Set a password between 5 and 16 characters.
- **Confirm** : Re-type the password to confirm.
- **Mode** : Set a user to Admin, Operator or Viewer mode.
- **Viewer authentication** : Allows any viewer direct access to Live View.

## 4.3 Date/Time

The screenshot shows the 'Intelligent IP Installer' window with the 'Surveillance Tech. Innovator' logo. The 'User' tab is selected, and the 'Date/Time' sub-tab is active. The 'Load configuration File' section has 'From Device' selected. The 'Current Setting' is 192.168.1.10. The 'Date/Time' section shows 'Current Setting' as 1/ 1/1970 12:01:54 and 'PC clock' as 3/17/2001 06:11:41. The 'Adjust' section has four radio buttons: 'Keep current setting', 'Synchronize with PC', 'Manual setting', and 'Synchronize with NTP'. The 'Synchronize with NTP' option is selected. The 'NTP server name' is 'pool.ntp.org' with 'Auto' checked. The 'Interval' is '01' hours. The 'Time zone' is '(GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi'. The 'Apply' and 'Save' buttons are at the bottom right.

- **Current Setting** : This displays the current date and time of the camera.
- **PC clock** : This displays the date and time of the monitoring PC clock.
- **Adjust** : Select one of four time adjusting modes.
- **Keep current setting** : Select this mode to keep the current date and time of the camera.
- **Synchronize with PC** : Select this mode to make the date and time of the camera the same as the monitoring PC.
- **Manual setting** : Select this mode to manually adjust the date & time of the camera.
- **Synchronize with NTP** : Specify the NTP server name and the Refresh Interval to synchronize the date and time of the camera with those of the time server, known as the NTP (Network Time Protocol) server.

### Note:

The NTP server (Network Time Protocol) is the time server which is an Internet standard protocol (built on

top of TCP/IP) that assures accurate synchronization to the millisecond of computer clock times in a network of computers.


- **NTP server name** : Type the host name or IP address of the NTP server, up to 64 characters.
- **Time zone** : Select the time zone and time difference from Greenwich Mean Time in the area where the camera is installed from the pulldown box.

## 4.4 TCP/IP

Intelligent IP Installer

**Surveillance Tech. Innovator**

Camera | User | About..

Load configuration File : ☐ From PC File ☒ From Device 

Current Setting : 192.168.1.10

Info | User | Date/Time | **TCP/IP** | PPPoE | DDNS

Http Port : ☒ Port 80 ☐ others  (1024 - 65535)

MAC Address : 00:1B:FE:00:51:D6

IP Address

☒ Obtain IP automatically (DHCP)

☐ Use the following IP

IP Address :

Subnet mask :

Default Gateway :


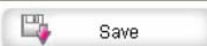
DNS Setting

☒ Obtain DNS server automatically

☐ Use the following DNS server

Primary DNS :

Secondary DNS :

- **HTTP Port**: Select port 80 in general situations. If you want to use a port number other than 80, select the text box and enter a port number between 1024 and 65535.

### Note:

When you have set the HTTP port number to a number other than 80 on the Network setting page or in the Setup Program, access the camera by typing the IP address of the camera on the web browser as follows:

**Example**: when HTTP port number is set to 2000 → <http://192.168.0.100:2000/>

- **MAC Address**: Display the MAC address of the camera.

### IP Address:

- **Obtain IP automatically (DHCP):** If a DHCP server is installed on the network, to select this while the IP address is assigned by the DHCP server.

### **Note:**

When you set Obtain IP automatically (DHCP), make sure that the DHCP server is working on the network.

- **Use the following IP :** Select this when a fixed IP address is set.
  - **IP Address :** Enter the IP address of the camera.
  - **Subnet mask :** Enter the subnet mask.
  - **Default Gateway :** Enter the default gateway.

### DNS Setting

- **Obtain DNS server automatically:** If a DHCP server is installed on the network, to select this while the DNS server is assigned by the DHCP server.
- **Use the following DNS server :** Select this when you set the fixed address as the IP address of DNS server.
  - **Primary DNS :** Enter the IP address of the primary DNS server.
  - **Secondary DNS :** Enter the IP address of the secondary DNS server, if necessary.



## 4.5 PPPoE

Use this when you connect the camera through PPPoE (Point -to- Point Protocol over Ethernet). PPPoE connection is the protocol that is widely used in xDSL (digital affiliate line such as ADSL, VDSL or SDSL) as the authentication and connection system.

The screenshot shows the 'Intelligent IP Installer' window with the 'Surveillance Tech. Innovator' logo. The 'Camera' tab is selected, and the 'User' sub-tab is active. The 'Load configuration File' section shows 'From Device' selected and 'Current Setting' as '192.168.1.10'. The 'Load' button is visible. The 'PPPoE' tab is selected in the configuration menu. The 'PPPoE' section has 'On' selected. The 'DNS Setting' section has 'Obtain DNS server automatically' selected. The 'IP Address', 'User ID', 'Password', 'Confirm', 'Primary DNS', and 'Secondary DNS' fields are empty. The 'Apply' and 'Save' buttons are at the bottom right.

- **IP Address** : The IP address obtained at the PPPoE connecting with network.
- **User ID** : Enter the user ID for authentication necessary for PPPoE connections. Type it up to 64 characters.
- **Password** : Enter the password for authentication necessary for PPPoE connections. Type it up to 32 characters.
- **Confirm** : Re-type the password to confirm.
- **Obtain DNS server automatically** : Select this to obtain the address of DNS server automatically.
- **Use the following DNS server** : Select this when you set the fixed address as the IP address of DNS server.

- **Primary DNS** : Enter the IP address of the primary DNS server.
- **Secondary DNS** : Enter the IP address of the secondary DNS server.

## 4.6 DDNS

The screenshot shows the 'Intelligent IP Installer' window for 'Surveillance Tech. Innovator'. The 'User' tab is selected. At the top, there are options to 'Load configuration File' from a 'PC File' or 'Device', with a 'Load' button. Below this, the 'Current Setting' is shown as '192.168.1.10'. The 'DDNS' tab is active, showing a 'DDNS' section with 'On' and 'Off' radio buttons. The 'Off' button is selected. Below the radio buttons are five input fields: 'Server Name' (a dropdown menu showing 'http://www.dyndns.org'), 'User ID', 'Password', 'Confirm', and 'Hostname'. At the bottom right, there are 'Apply' and 'Save' buttons.

- **Server Name** : Select the DDNS Server.
- **User ID** : Enter the user ID for authentication necessary for DDNS connections. Type it up to 64 characters.
- **Password** : Enter the password for authentication necessary for DDNS connections. Type it up to 32 characters.
- **Confirm** : Re-type the password to confirm.
- **Hostname** : Enter the host name that is registered to the DDNS server.

### **Note:**

When you want to use DDNS function, you need to register an account in DDNS server first.

## 5. About

This page displays Intelligent IP Installer information including Version, Copyright and Product Date information

### Note:

This computer procedure is protected of the right law and international convention. Making all or part which spread a procedure again without permission, may cause serious civil and criminal sanction and mention most severe telling in accordance with the law.

