

Setup Wizard / IPView Pro 2.0 / ffdshow

Installation Guide

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SETUPWIZARDERROR! BOOKMARK NOT DEFINED.

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Setup Wizard

This section describes the how to setup a camera using the Setup Wizard. To install the Setup Wizard on a system running Windows, launch the Setup Wizard on the installation CD-ROM and follow the setup instructions. Once the software is installed, the Setup Wizard utility is ready for use.

Launching the Setup Wizard

To launch the Setup Wizard, click **Start > Programs > TRENDnet > Setup Wizard > Setup Wizard**.

Setup Wizard- Install Your Camera



- Connect the camera to your LAN using the provided RJ45 cable.
- Connect the AC Power Adapter to the back of the camera and to a live power socket.
- Click **Next** to continue.

Setup Wizard- Select Your Camera

The following screen appears showing the cameras that have been found on your network:



TRENDNET Setup Wizard

Select Your Camera

Please select a camera in the camera list then click "Next" or try link it with web browser. If you can't find specified camera, please check your camera's wire link then click "Re-scan" again.

Name	IP Address	Model	MAC
TV-IP512P	10.73.87.2	TV-IP512P	0014D1A1A2A3

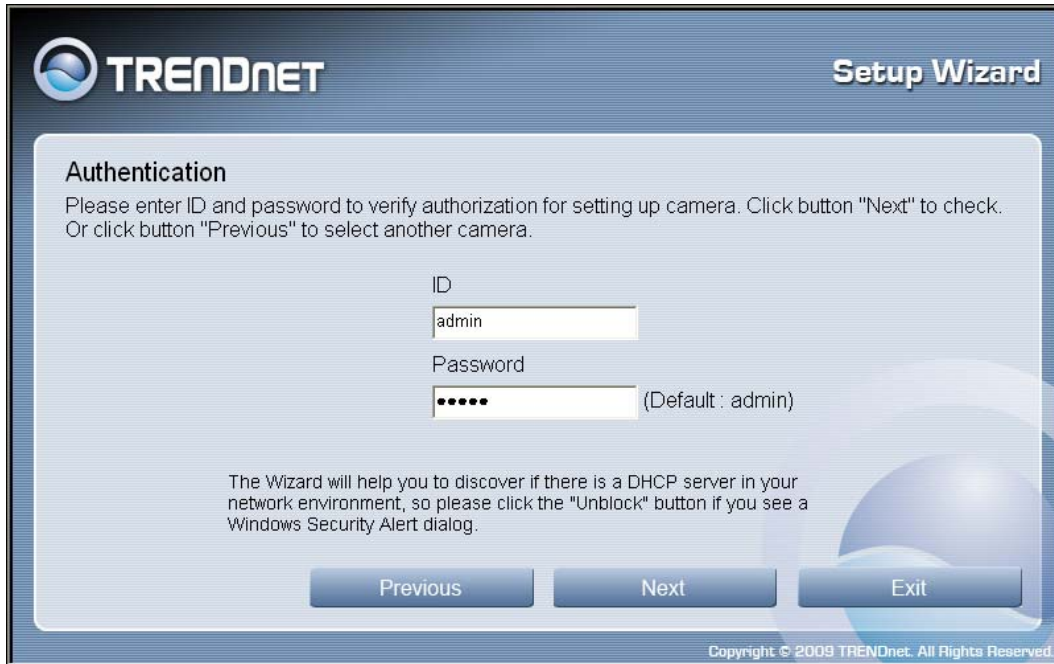
Re-Scan Link Next Exit

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- Click on the camera you want to configure.
- Click **Next** to continue.

Setup Wizard- Authentication

On the following screen type in the ID and Password that you will use to configuring the camera settings:



The image shows the 'Authentication' screen of the Trendnet Setup Wizard. The interface has a blue header with the 'TRENDNET' logo on the left and 'Setup Wizard' on the right. The main content area is light blue and contains the title 'Authentication' and instructions: 'Please enter ID and password to verify authorization for setting up camera. Click button "Next" to check. Or click button "Previous" to select another camera.' Below this, there are two input fields: 'ID' with the text 'admin' and 'Password' with masked characters '.....'. To the right of the password field is the text '(Default : admin)'. At the bottom, there are three buttons: 'Previous', 'Next', and 'Exit'. A note at the bottom left states: 'The Wizard will help you to discover if there is a DHCP server in your network environment, so please click the "Unblock" button if you see a Windows Security Alert dialog.' The footer on the right says 'Copyright © 2009 TRENDnet. All Rights Reserved.'

Authentication

Please enter ID and password to verify authorization for setting up camera. Click button "Next" to check. Or click button "Previous" to select another camera.

ID
admin

Password
..... (Default : admin)

The Wizard will help you to discover if there is a DHCP server in your network environment, so please click the "Unblock" button if you see a Windows Security Alert dialog.

Previous Next Exit

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- Type a *User ID* in the **ID** field.
- Type the *password* of the User in the **Password** field.
- Click **Next** to continue.

Setup Wizard- Change Password

The following screen allows you to change the default admin password:



The screenshot shows the 'Change Password' step of the TRENDnet Setup Wizard. The interface has a blue header with the TRENDnet logo on the left and 'Setup Wizard' on the right. The main content area is light blue and contains the following elements:

- Change Password** (Section Header)
- Instructional text: "You can change the password here to secure your camera from being accessed by others. Leave the checkbox unchecked to skip this step."
- A checkbox labeled "Change Password" which is currently unchecked.
- A text input field labeled "New Password".
- A text input field labeled "Confirm Password".
- Three buttons at the bottom: "Previous", "Next", and "Exit".
- A copyright notice at the bottom right: "Copyright © 2009 TRENDnet. All Rights Reserved."

Carry out the following if you want to change the admin password:

- Tick the **Change Password** checkbox
- Type in a *New Password* in the **New Password** field and confirm it in the **Confirm Password** field
- Click the **Next** button to proceed to the next **Setup** window

If you don't want to change the admin password, leave the checkbox un-ticked and click **Next**.

Setup Wizard- Select a Connection Option

The following window allows you to specify the connection method used by your camera network.

Click the radio button of the network environment your camera is connected to. The available options are:

- **PPPoE**
- **DHCP**
- **Fixed IP**

TRENDnet Setup Wizard

Select a Connection Option

Please select the connection option by your camera network environment. If you don't know how to choose, leave the option selected as default.

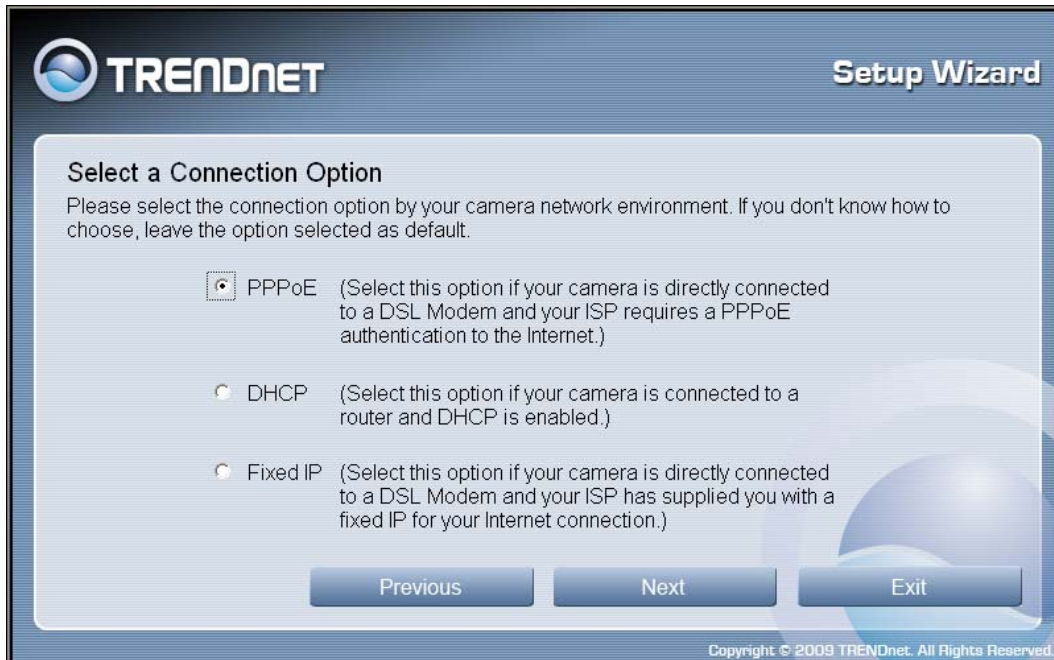
- ☐ PPPoE (Select this option if your camera is directly connected to a DSL Modem and your ISP requires a PPPoE authentication to the Internet.)
- ☒ DHCP (Select this option if your camera is connected to a router and DHCP is enabled.)
- ☐ Fixed IP (Select this option if your camera is directly connected to a DSL Modem and your ISP has supplied you with a fixed IP for your Internet connection.)

Previous Next Exit

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Setup Wizard- Select a Connection Option- PPPoE

If your connection method is PPPoE, click the **PPPoE** radio button and click **Next**:



The screenshot shows the 'Select a Connection Option' screen of the TrendNet Setup Wizard. The title bar includes the TrendNet logo and 'Setup Wizard'. The main content area has a heading 'Select a Connection Option' followed by instructions: 'Please select the connection option by your camera network environment. If you don't know how to choose, leave the option selected as default.' There are three radio button options: 'PPPoE' (selected), 'DHCP', and 'Fixed IP'. Each option has a descriptive text in parentheses. At the bottom, there are three buttons: 'Previous', 'Next', and 'Exit'. A copyright notice 'Copyright © 2009 TRENDnet. All Rights Reserved.' is at the bottom right.

TRENDNET Setup Wizard

Select a Connection Option
Please select the connection option by your camera network environment. If you don't know how to choose, leave the option selected as default.

☒ **PPPoE** (Select this option if your camera is directly connected to a DSL Modem and your ISP requires a PPPoE authentication to the Internet.)

☐ **DHCP** (Select this option if your camera is connected to a router and DHCP is enabled.)

☐ **Fixed IP** (Select this option if your camera is directly connected to a DSL Modem and your ISP has supplied you with a fixed IP for your Internet connection.)

Previous Next Exit

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The following window appears:



The screenshot shows the 'Authentication for PPPoE Connection' screen of the TrendNet Setup Wizard. The title bar includes the TrendNet logo and 'Setup Wizard'. The main content area has a heading 'Authentication for PPPoE Connection' followed by instructions: 'Please enter username and password while ensuring that your camera is directly attached to your modem. Click button "Next" to continue setting up. Or click button "Previous" to select another network environment.' There are three text input fields: 'User Name', 'Password', and 'Confirm Password'. At the bottom, there are three buttons: 'Previous', 'Next', and 'Exit'. A copyright notice 'Copyright © 2009 TRENDnet. All Rights Reserved.' is at the bottom right.

TRENDNET Setup Wizard

Authentication for PPPoE Connection
Please enter username and password while ensuring that your camera is directly attached to your modem. Click button "Next" to continue setting up. Or click button "Previous" to select another network environment.

User Name

Password

Confirm Password

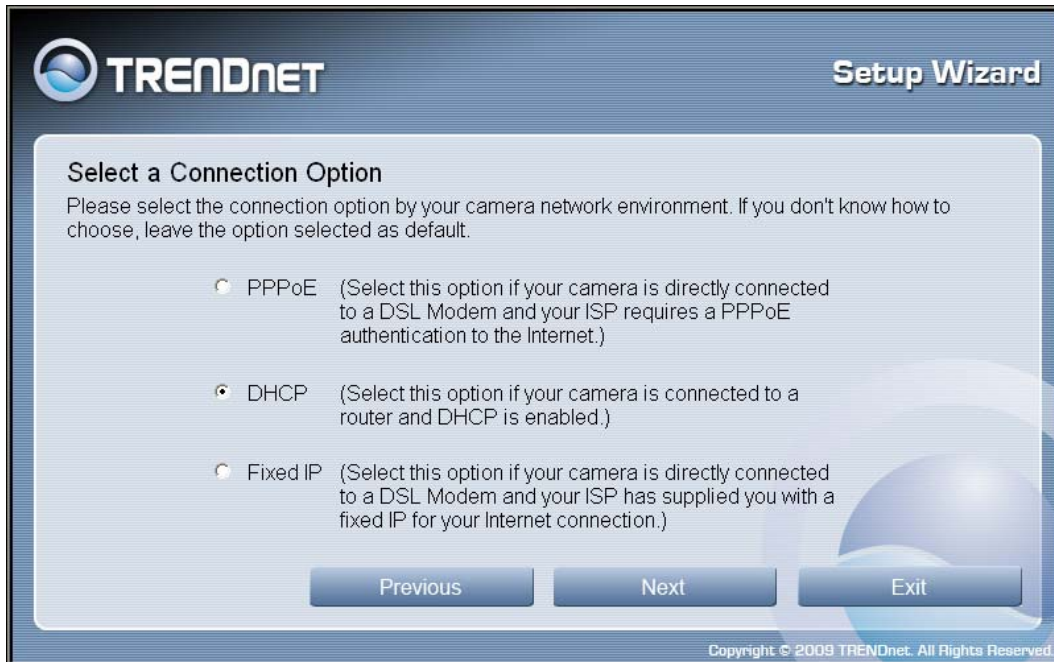
Previous Next Exit

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- Type the *User Name* used to connect to your PPPoE connection in the **User Name** field.
- Type the *Password* of the PPPoE User Name in the **Password** field and confirm it in the **Confirm Password** field.
- Click **Next** to proceed to the next setup window.

Setup Wizard- Select a Connection Option- DHCP

If your connection method is DHCP, click the **DHCP** radio button and click **Next**:



The image shows a screenshot of the Trendnet Setup Wizard. The window has a blue header with the Trendnet logo on the left and the text "Setup Wizard" on the right. The main content area is white with a blue border. It contains the title "Select a Connection Option" and a paragraph of instructions. Below this, there are three radio button options: PPPoE, DHCP (which is selected), and Fixed IP. Each option has a descriptive text. At the bottom of the main area, there are three buttons: "Previous", "Next", and "Exit". The "Next" button is highlighted. At the very bottom of the window, there is a small copyright notice.

TRENDnet Setup Wizard

Select a Connection Option
Please select the connection option by your camera network environment. If you don't know how to choose, leave the option selected as default.

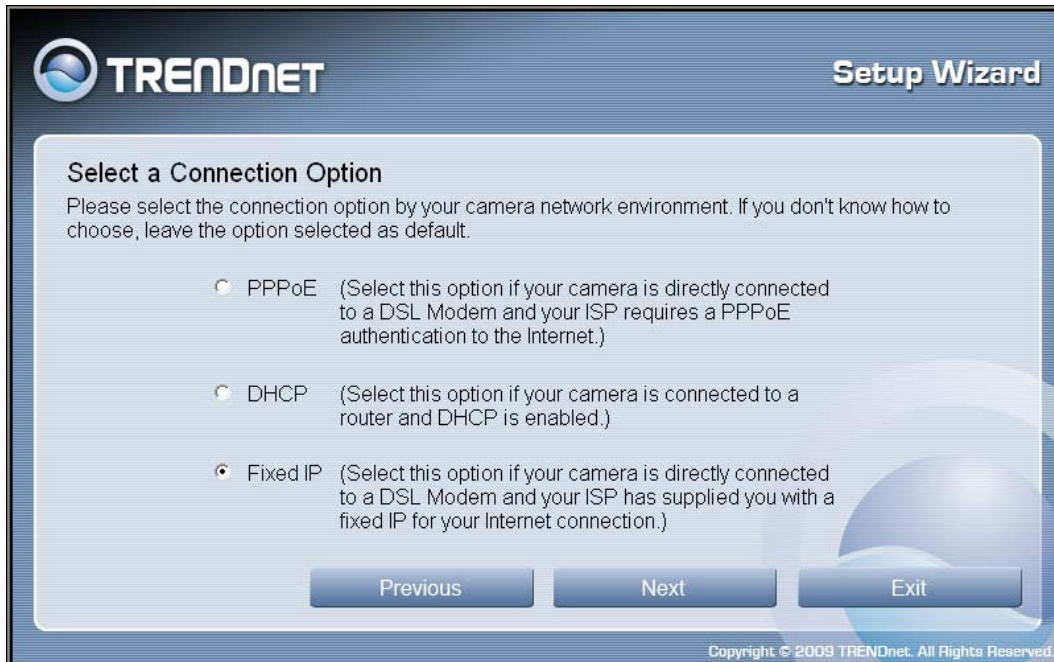
- ☐ PPPoE (Select this option if your camera is directly connected to a DSL Modem and your ISP requires a PPPoE authentication to the Internet.)
- ☒ DHCP (Select this option if your camera is connected to a router and DHCP is enabled.)
- ☐ Fixed IP (Select this option if your camera is directly connected to a DSL Modem and your ISP has supplied you with a fixed IP for your Internet connection.)

Previous Next Exit

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Setup Wizard- Select a Connection Option- Fixed IP

If your connection method is Fixed IP, click the **Fixed IP** radio button:



TRENDNET Setup Wizard

Select a Connection Option
Please select the connection option by your camera network environment. If you don't know how to choose, leave the option selected as default.

☐ PPPoE (Select this option if your camera is directly connected to a DSL Modem and your ISP requires a PPPoE authentication to the Internet.)

☐ DHCP (Select this option if your camera is connected to a router and DHCP is enabled.)

☒ Fixed IP (Select this option if your camera is directly connected to a DSL Modem and your ISP has supplied you with a fixed IP for your Internet connection.)

Previous Next Exit

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The following window appears:



TRENDNET Setup Wizard

Network Configuration
Please input correct information. You can click button "Auto" to let IP camera configured automatically. Click button "Next" to continue setting up.

IP Address	10.73.87.2
Subnet Mask	255.0.0.0
Default Gateway	10.1.1.254
Primary DNS	112.48.2.4
Secondary DNS	112.48.2.5


Auto Previous Next Exit

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- Type in the *IP Address*, *Subnet Mask*, *Default Gateway*, *Primary DNS Server IP address* and *Secondary DNS Server IP Address* in the appropriate fields.
- Click **Next** to proceed to the next setup window.

Setup Wizard- Other Settings

The following window allows you to configure additional camera settings:



The screenshot shows the 'Other Settings' window of the TRENDnet Setup Wizard. The window has a blue header with the TRENDnet logo on the left and 'Setup Wizard' on the right. Below the header, the title 'Other Settings' is displayed. A paragraph of text explains that users can name the camera and adjust its clock. The 'Camera Name' field contains 'TV-IP512P'. The 'Camera Time' section has two dropdown menus: the first shows '2009/01/05' and the second shows '08:42:35'. At the bottom, there are four buttons: 'Copy Local Time', 'Previous', 'Next', and 'Exit'. A copyright notice 'Copyright © 2009 TRENDnet. All Rights Reserved.' is visible in the bottom right corner.

TRENDnet Setup Wizard

Other Settings

You can have a name for the camera. And you can also adjust the camera's clock by input the current time on "Camera time" option. Click button "Next" to continue setting up.

Camera Name
TV-IP512P

Camera Time
2009/01/05
08:42:35

Copy Local Time Previous Next Exit

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- Type a name to help you identify the camera in the **Camera Name** field.
- Set the camera date and time from the **Camera Time** drop-down menus. To use the time settings from your computer, click the **Copy Local Time** button.
- Click **Next** when you have finished configuring the other settings.

Setup Wizard- Setting Up The Camera

The following window appears, summarizing the network settings of your camera:



The screenshot shows the 'Setting Up The Camera' window in the TRENDnet Setup Wizard. The window has a blue header with the TRENDnet logo and the title 'Setup Wizard'. The main content area is light blue and contains two columns of settings. The left column is labeled 'Wired :' and includes fields for IP Address (10.73.87.2), Subnet Mask (255.0.0.0), Default Gateway (10.1.1.254), Primary DNS (112.48.2.4), and Secondary DNS (112.48.2.5). The right column includes fields for Camera Name (TV-IP512P), Camera Date (2009/01/05), and Camera Time (16:29:32). At the bottom, there are three buttons: 'Previous', 'Next', and 'Exit'. A copyright notice 'Copyright © 2009 TRENDnet. All Rights Reserved.' is visible in the bottom right corner.

Setting Up The Camera		
Wired :	Camera Name :	
IP Address	10.73.87.2	TV-IP512P
Subnet Mask	255.0.0.0	Camera Date :
Default Gateway	10.1.1.254	2009/01/05
Primary DNS	112.48.2.4	Camera Time :
Secondary DNS	112.48.2.5	16:29:32

Previous Next Exit

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- When you have finished setting up the Camera click the **Next** button. To make any changes to your Camera settings, click the **Previous** button.

Setup Wizard- Camera Restart

The following window appears, indicating that the camera is restarting:



The screenshot shows the 'Setup Wizard' window in the TRENDnet Setup Wizard. The window has a blue header with the TRENDnet logo and the title 'Setup Wizard'. The main content area is light blue and contains a progress bar at the top, which is mostly yellow with a small blue segment on the left. Below the progress bar, the text 'Please wait for a minute while setting up the camera.' is displayed. A copyright notice 'Copyright © 2009 TRENDnet. All Rights Reserved.' is visible in the bottom right corner.

Please wait for a minute while setting up the camera.

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Setup Wizard- Complete

After the camera has restarted, the following window will appear:



- Click the hyper-link to connect to the camera web interface.
- If you want to setup an additional camera, click the **Setup Another Camera** button.
- When you have finished, click the **Exit** button to close the Setup Wizard.

IPView Pro 2.0

This section describes the how to setup a camera using the IPView Pro 2.0 camera monitoring software. To install IPView Pro 2.0 on a system running Windows, launch the IPView Pro 2.0 installation software on the installation CD-ROM and follow the setup instructions. Once the software is installed, the IP Cam Center camera monitoring utility is ready for use. Add up to 32 network cameras to monitor using the software. Additional software, IPCam Player software is also installed. The IPCam Player is used for playing recorded video from cameras that have been configured to save recorded files.

Launching IPView Pro 2.0 for the first time

To launch IPView Pro 2.0, click **Start > Programs > TRENDnet > IPView Pro 2.0 > IPView Pro 2.0**. If this is the first time using the software, the menu that appears is the **Add camera** menu:

Camera setup

Camera management | Camera settings | Recording options | Other options

Camera list

Add camera in local lan Add camera by IP/address

Name	IP address	Model	MAC
TV-IP512WN	192.168.1.71	TV-IP512WN	00031B58A203
TV-IP512P	192.168.1.67	TV-IP512P	00031B58A202
TV-IP600	192.168.1.76	TV-IP600	00FF3C983185
TV-IP600W	192.168.1.73	TV-IP600W	00FF11223344

Details of selected camera

☐ Enable live preview

Camera name TV-IP512P

IP address 192.168.1.67

IP port 80

Model name TV-IP512P

MAC address 00031B58A202

User name admin

Password

Live profile Default

Record profile Default

Memo 192.168.1.67

Browse selected camera Delete selected camera

Refresh Modify

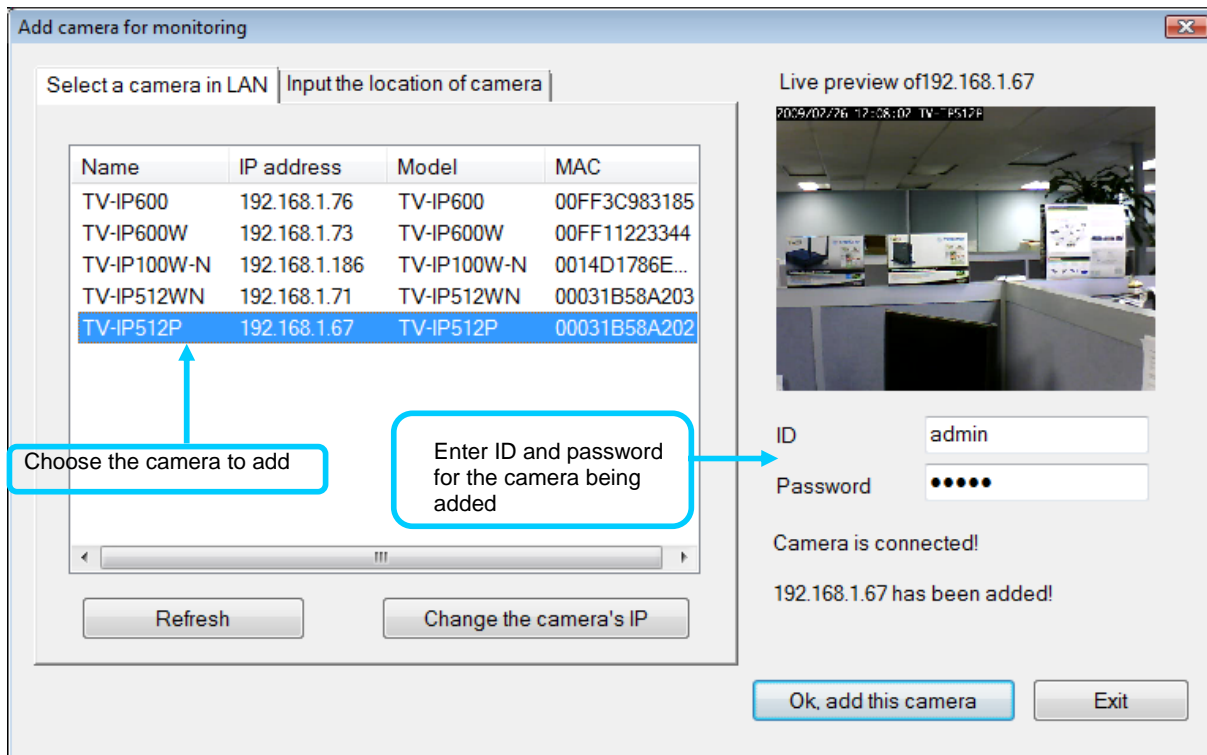
OK Cancel

Add a camera for monitoring

The Add camera menu is presented the first time the IPView Pro 2.0 software is launched. This menu is used to add cameras to the user interface for monitoring. After the first time running the software, this menu can be accessed at anytime from the Configuration menus. The Configuration menus are described in a later section of this chapter. Notice that the IPView Pro 2.0 software has automatically detected eligible cameras running on the network.

To add a camera to the IPCam user interface, follow these instructions:

1. Check the list of cameras detected by the software. If the camera you want to add does not appear on the list, click the **Refresh** button to conduct another search.



2. Select the camera to add from the list, enter the administrator's user name and password, a preview of the live video display will appear. Click the OK, add this camera button, a confirmation message informs when the camera is connected and added to the IPView Pro 2.0 monitoring group. Repeat this procedure for all the cameras being added. Click the Exit button after all the cameras have been added.

If the camera does not appear listed, click the **Input the location of camera** tab above the list to view a new menu. Enter the IP address or the URL (for example, *ipcam.ddns.org*) of the camera

being added, type the user name and password and click the **Preview** to verify that a link can be established. The live video of the camera should appear in the **Live preview** display. If a link cannot be established, run the Setup Wizard software for the camera and verify the correct IP address. Click **Exit** to return to the main **Add camera** menu.

Add camera for monitoring

Select a camera in LAN | Input the location of camera

Type the IP address of the camera

Location:(Ex:'192.168.0.1' or 'ipcam.ddns.org')

192.168.1.67

Preview

Port(1-65535, default is 80) 80

After input the location and port number of the camera. Click button "Preview" with correct ID and password to see its live video. to Add this camera, please click button "Ok, add this camera" below.

Enter user name and password for camera being added

Live preview of 192.168.1.67

2009/02/26 12:08:51 TV-P512P

ID admin

Password

Camera is connected!

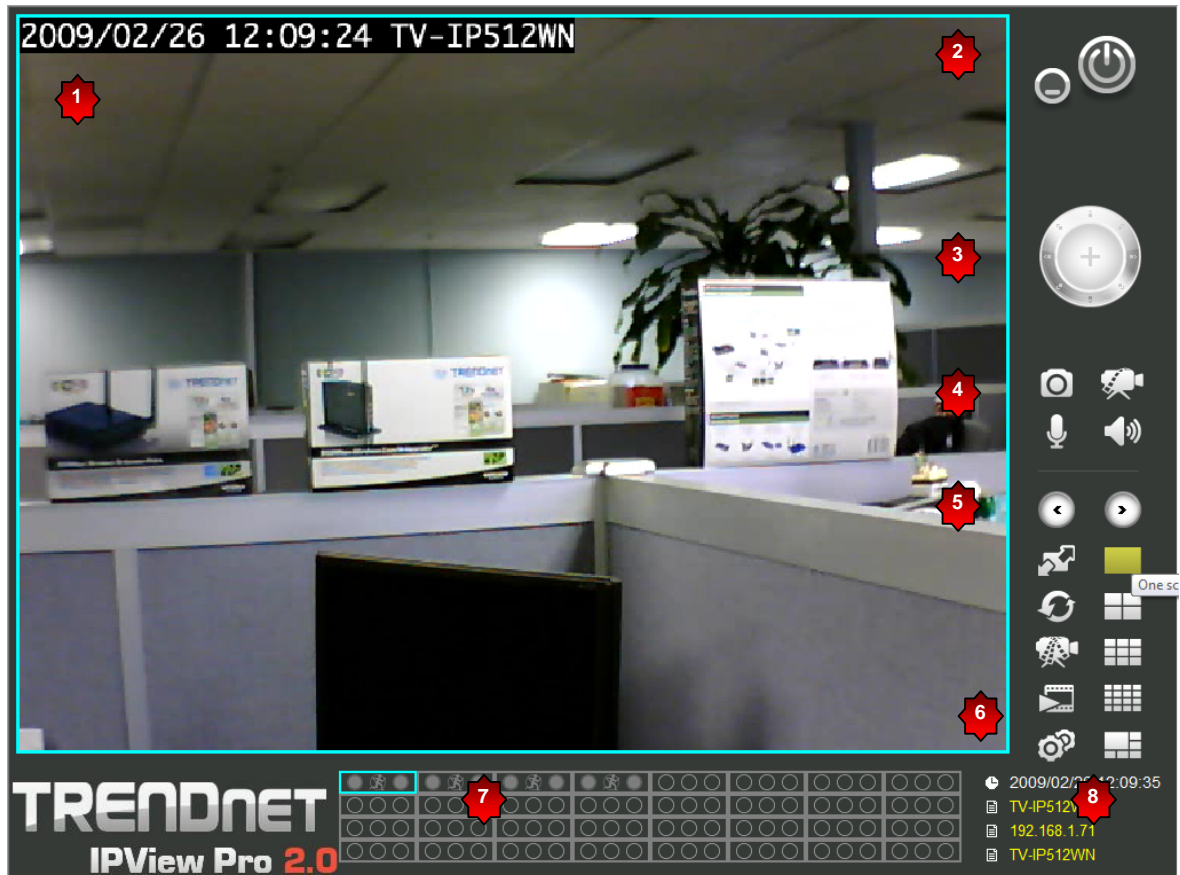
192.168.1.67 has been added!

Ok, add this camera Exit

3. Once the cameras have been added, they are ready to be used in the main IPView Pro 2.0 user interface. Close the Add camera menu (click **Exit**) to go to the main user interface. See below for a description.

IPView Pro 2.0 User Interface

Below is a general description of the user interface.

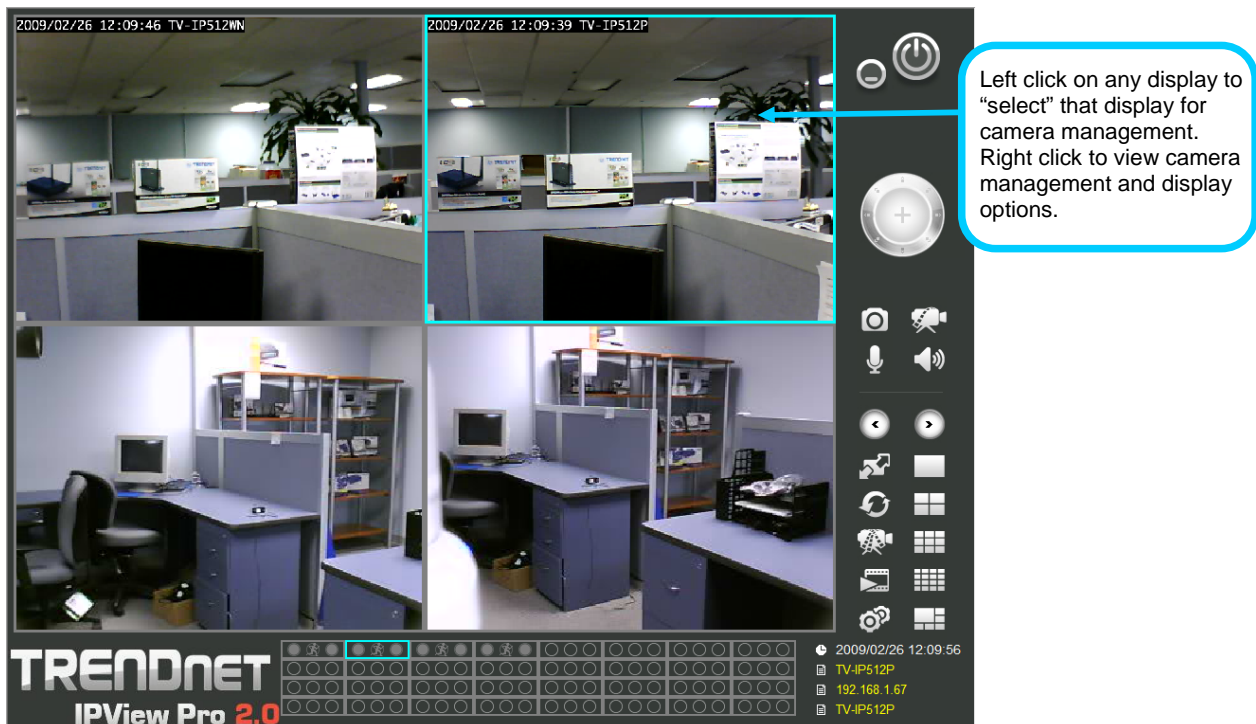


NO.	Item	Description
1	Live video display area	Display area for single or multiple cameras of live video. Right click on any display area to view a list of quick configure options for that camera including the "Replace camera content ..." option used to change the order of the live video displays for multiple camera views.
2	Minimize and Exit	Use to minimize IPView Pro 2.0 interface or exit the program, a confirmation is required to exit.
3	Pan and Tilt control (cameras using RS-485 Pan/Tilt device only)	Click directional arrows to move camera in that direction within the limits of the pan and tilt range. The + in the center of the control is used to return to the home or center view as configured for the camera.
4	Snapshot, recording and audio controls	See below for detailed information.
5	Live video display controls	See below for detailed information.
6	Camera configuration menu	See below for detailed information.
7	Camera status	Use to quickly assess the status of operating cameras. Click on box to select camera display. The status indicators for each camera display recording, motion detection and GP input status.

8	Camera information	Displays basic information on selected camera.
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Display Controls

The primary display and IPView Pro 2.0 control icons are described in detail below. When there are more than one camera displays viewed, one of the displays can be selected for management or additional changes. Simply left click on any display to select it. Notice the border around the display is bright aqua blue, indicating the “selected” status. For example, to go to a single screen display for any one camera, select the camera and click on the single screen display.



Snapshot, recording and audio controls

The still photo camera icon is used to take a snapshot of the selected live video display. The video camera icon is used to begin video recording of the selected live video display. Snapshot and videos files are stored in a default folder on the administrator’s system, or in a folder designated by the administrator.

The audio controls are represented by a microphone icon to activate the internal mic or the auxiliary audio input (if present), and a speaker icon for the audio output (remote speakers, if present).

Notice that when these functions are activated, the color of the icon changes from white to yellow.

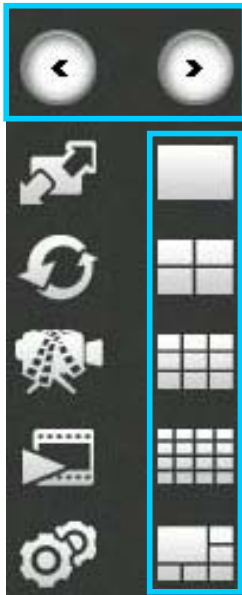


Audio and video controls - inactive

Audio and video controls - activated

Live video display controls

Use the video display controls to change the view of the live video display. This is useful for multiple camera application.



Click the arrows to manually cycle through the active camera's live displays when using a single camera display screen.

Click multi-screen display icons to change the number of camera's displayed at one time.

To change the order in which the camera displays appear in the interface, move the cursor over a display you want to change and right click. A dialog appears (see example below). The top most option in the dialog allows the user to *Replace content by ...* followed by a list of connected camera IP addresses (or URL locations). Select the camera display you want to occupy the position the cursor is placed over. The display position will then be swapped with the chosen camera.

Switch to **full screen** view of selected display screen.

Click to **record all** active cameras.

Click to automatically **cycle through** the active camera displays.

Launch **IPCamPlayer** to view stored video files.

Click to **add or configure** cameras.
See details below.

Camera configuration with IPView Pro 2.0

Access the camera configuration menus by clicking on the gear icon at the bottom of the right hand panel of the IPView Pro 2.0 user interface. Configuration options include adding and deleting cameras from the display view, configuration of motion detection and digital input with schedules, recording options, email alerts and other network settings.

Adding a Camera

The procedure to add a camera after the initial launch of the software is very similar to the procedure used during the first setup. Follow the instructions below to add cameras.

To add a camera:

1. Click the Configuration icon to view the Camera Setup menu. The top most tab of the menu is the Camera Management tab. A list of active cameras appears on the left half of the menu. Select the camera to be added from the list. **Click the Add Camera by IP Address** to find the specified IP address or network URL of the camera you want to add.

Add camera for monitoring

Select a camera in LAN | Input the location of camera

Location:(Ex:'192.168.0.1' or 'ipcam.ddns.org')

192.168.1.67 Preview

Port(1-65535, default is 80) 80

After input the location and port number of the camera. Click button "Preview" with correct ID and password to see its live video. to Add this camera, please click button"Ok, add this camera" below.

Live preview of 192.168.1.67

2009/02/26 12:08:51 TV-P512P

ID admin

Password ●●●●●

Camera is connected!

192.168.1.67 has been added!

Ok, add this camera Exit

2. Select the camera to add from the list, enter the administrator's user name and password, a preview of the live video display will appear. Click the **OK, add this camera** button, a confirmation message informs when the camera is connected and added to the IPView Pro 2.0 monitoring group. Repeat this procedure for all the cameras being added. Click the **Exit** button after all the cameras have been added.

The screenshot shows the 'Camera setup' window with the following components:

- Camera management** | **Camera settings** | **Recording options** | **Other options**
- Camera list**
 - Buttons: **Add camera in local lan**, **Add camera by IP/address**
 - Table:

Name	IP address	Model	MAC
TV-IP512WN	192.168.1.71	TV-IP512WN	00031B58A203
TV-IP512P	192.168.1.67	TV-IP512P	00031B58A202
TV-IP600	192.168.1.76	TV-IP600	00FF3C983185
TV-IP600W	192.168.1.73	TV-IP600W	00FF11223344
 - Buttons: **Browse selected camera**, **Delete selected camera**
- Details of selected camera**
 - ☒ **Enable live preview**
 - Video preview: 2009-02-26 12:10:15 TV-IP512P
 - Fields: Camera name (TV-IP512P), IP address (192.168.1.67), IP port (80), Model name (TV-IP512P), MAC address (00031B58A202), User name (admin), Password (•••••), Live profile (Default), Record profile (Default), Memo (192.168.1.67)
 - Buttons: **Refresh**, **Modify**
- Buttons: **OK**, **Cancel**

3. The camera added now appears in the Camera List. To launch the web manager for the newly added camera or any camera in the active camera list, select it and click the **Browse Selected Camera** button.

Removing a Camera

To remove the camera from the list of active:

1. Select the camera you want to remove.
2. Click **Delete Selected Camera**.

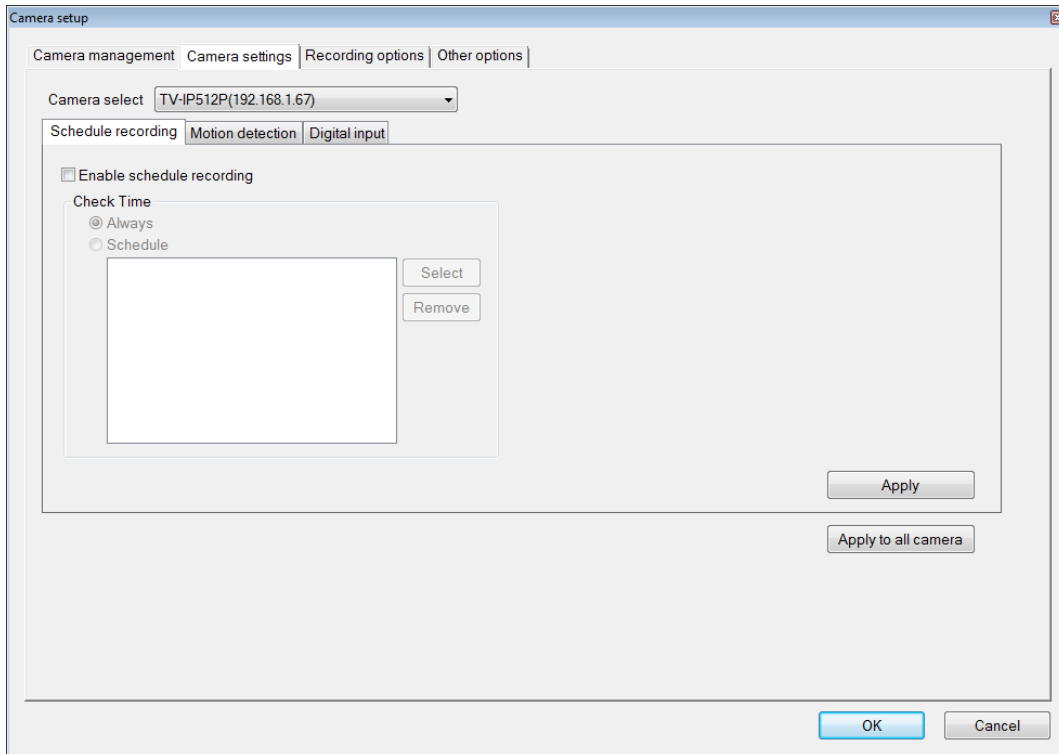
Note: Any camera display can be removed from the main IPView Pro 2.0 user interface by right-clicking on the display screen for the camera and selecting the **Remove this Camera** option.

Launch Web Manager for Selected Camera

To launch the web-based IP Camera manager for any active camera in the list, simply select it and click the **Browse Selected Camera** button.

Schedule Recording with IPView Pro 2.0

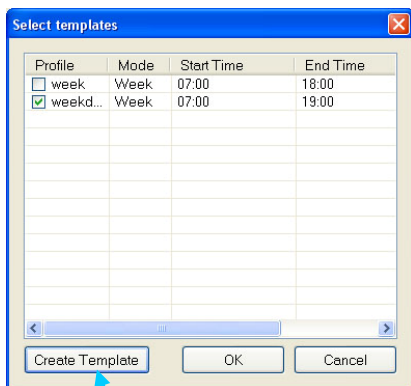
Use the **Camera Settings** menu to create schedules for recording and apply the schedules to any camera. Click the **Camera Settings** tab to view the **Schedule Recording** menu (the first menu viewed in the Camera Settings menu tab).



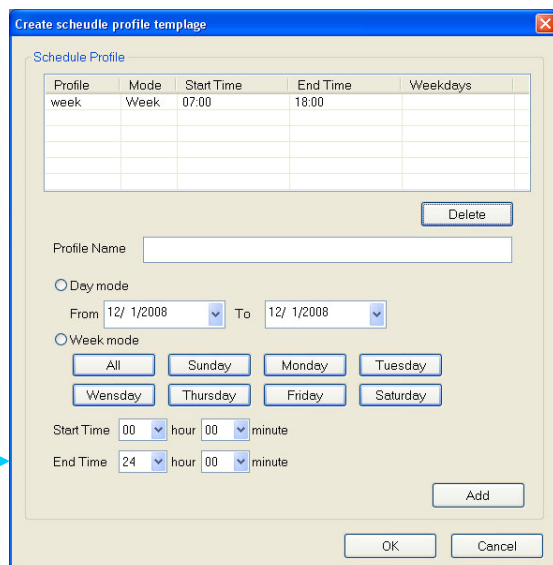
To apply an existing schedule template, click the **Select** button and choose a schedule from the list of previously created schedule templates. If a new schedule is needed it can be created from the **Select Schedule Template** menu (See below).

Create Schedule Templates

To make a new schedule template, click the **Create Template** button to view the Create Schedule Profile menu. Use this menu to create new schedules for recording.

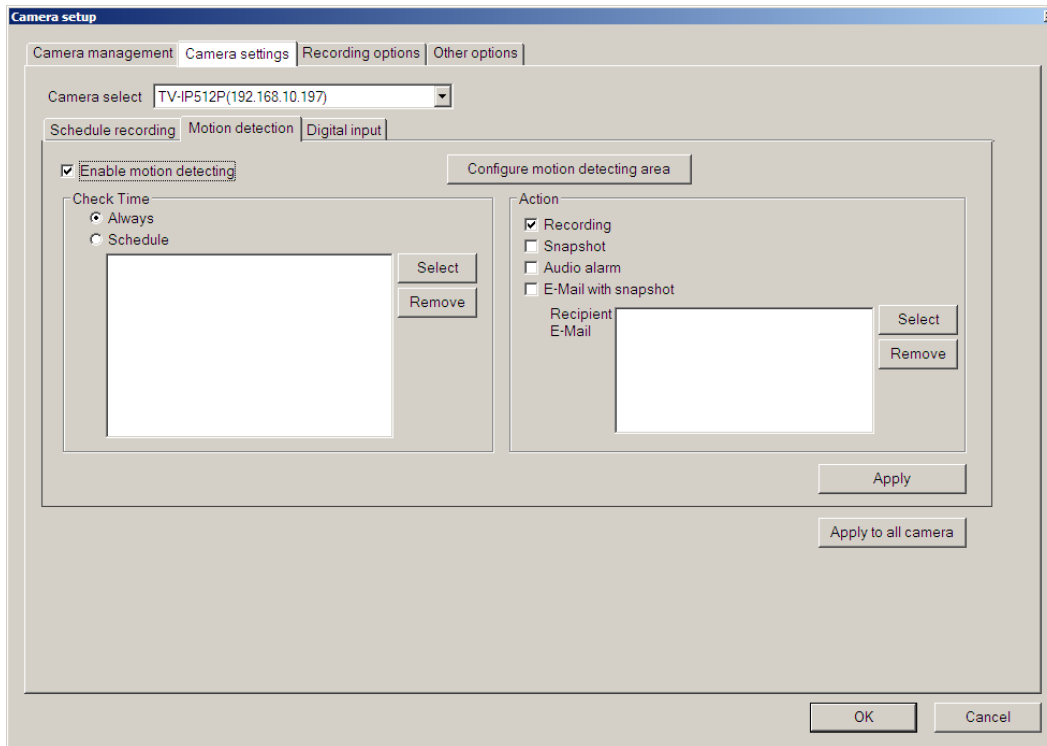


Click **Create Template** to make a new schedule.

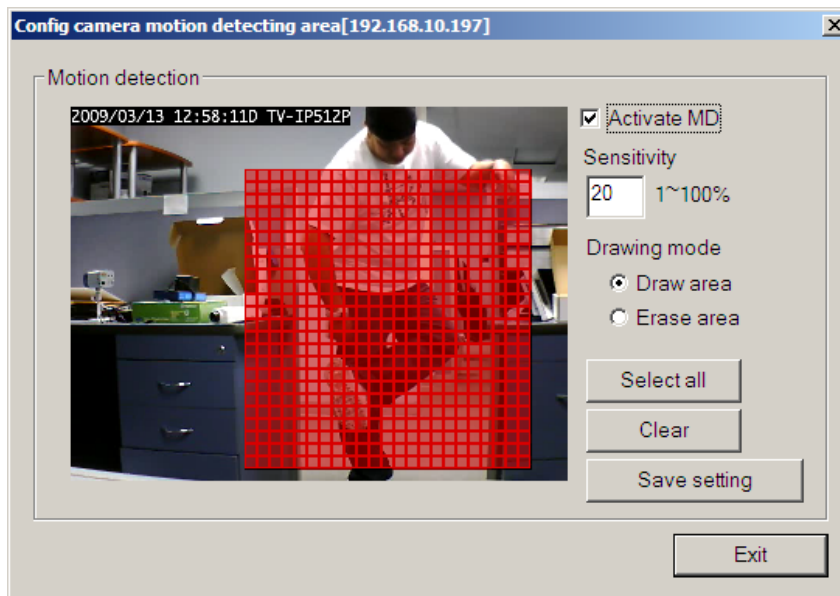


Setup Motion Detection and Digital Input with IPView Pro 2.0

The Camera Settings menus include **Motion Detection** setup and **Digital Input** control. Each menu has the schedule option to apply a schedule for the action taken or always take the specified action.



For Motion Detection, use the **Config motion detection area** menu to create the monitor area by clicking on the applicable location in the image. Check the Activate MD to enable motion detection feature and draw the area that you want to monitor, **Save settings** once done.



IPView Pro 2.0 Recording Options

The Recording Options configured in the IPView Pro 2.0 help to conserve and manage allowed memory storage (disk space) and for video file management. Recorded files can be limited by time elapsed or by size. Use the select storage folder to choose an alternative destination for stored video files. Storage limits can be set for each camera by time elapsed or hard disk space allowed. A limit can also be placed for the system and all cameras used in IPView Pro 2.0.

The screenshot shows the 'Camera setup' dialog box with the 'Recording options' tab selected. The dialog has four tabs: 'Camera management', 'Camera settings', 'Recording options', and 'Other options'. The 'Recording configuration' section contains the following settings:

- Default recording settings:**
 - Each recording file:** Radio buttons for 'Size interval' and 'Time interval'. 'Time interval' is selected, with a value of '60' and the unit 'Seconds'.
 - Select storage folder:** A text box showing 'C:\Users\Wen Tsai\Documents' and a 'Select' button.
- Recycle:**
 - Reserved HDD space for each camera:** Radio button selected. Fields for 'Space(MB)' (100), 'Bitrate' (2Mbps), and 'Time(Minutes)' (6).
 - Reserved time for each camera:** Radio button unselected. Fields for 'Time(Days)' (1), 'Bitrate' (2Mbps), and 'Space(GB)' (21.1).
- Reserved HDD space for system:** A dropdown menu showing '500' and the unit 'MB'.

At the bottom right of the dialog are 'OK' and 'Cancel' buttons.

IPView Pro 2.0 Miscellaneous Options

The Other Options available for configuration include Proxy server setup, email notification, scan interval and alert type settings.

The screenshot shows the 'Camera setup' dialog box with the 'Other options' tab selected. The dialog has a title bar with a close button. Inside, there are four main sections: 'Proxy settings', 'Time interval of scan', 'Local alert settings', and 'E-Mail sender settings'. The 'Proxy settings' section includes a checkbox for 'Proxy', fields for 'Address' and 'Port', and a checkbox for 'Bypass proxy server for local network address.'. The 'Time interval of scan' section has a dropdown menu set to '5' and the unit 'Seconds'. The 'Local alert settings' section has three rows for 'Motion detection alert sound:', 'Digital input alert sound:', and 'Video loss alert sound:', each with a text field and a '>>' button. The 'E-Mail sender settings' section includes fields for 'Sender E-Mail address', 'Subject title', 'SMTP mail server', and 'Port' (set to '25'), and a 'Test' button. A 'System settings' section at the bottom right has a checkbox for 'Automatically launch this program at system starting.'. At the bottom of the dialog are 'OK', 'Cancel', and 'About' buttons.

Camera setup

Camera management | Camera settings | Recording options | Other options

Proxy settings

☐ Proxy

Address Port

☐ Bypass proxy server for local network address.

Time interval of scan

5 Seconds

Local alert settings

Motion detection alert sound:

Digital input alert sound:

Video loss alert sound:

E-Mail sender settings

Sender E-Mail address

Subject title

SMTP mail server

Port 25

Test

System settings

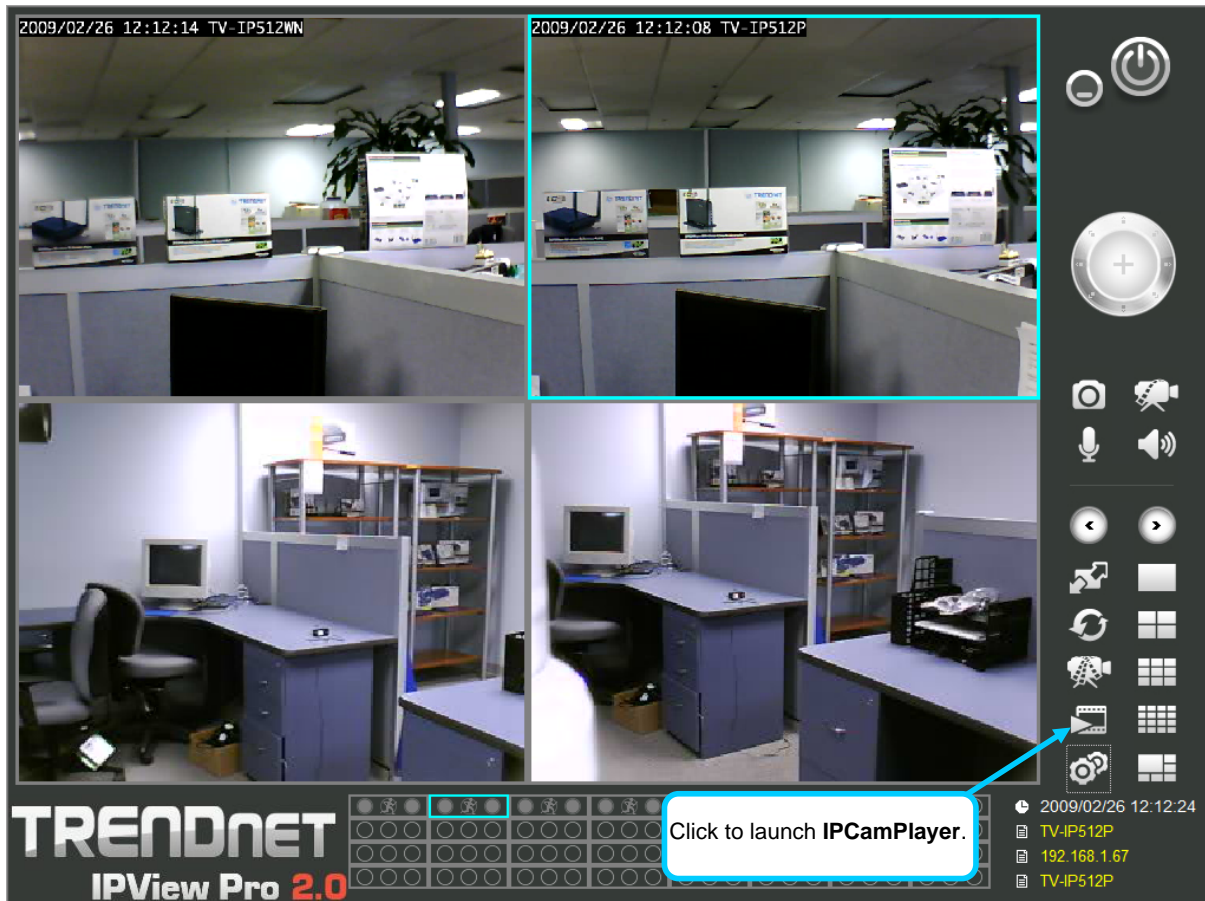
☐ Automatically launch this program at system starting.

About

OK Cancel

Playing Video Files on a Computer

IPCamPlayer software is installed on the monitoring station or administrator's system along with the IPView Pro 2.0 monitoring software. Use it to playback and manage recorded video from the cameras added to the IPView Pro 2.0 group. In order to use the software however, it is necessary to first install the **ffdshow** package of codecs used for media files. There is an ffdshow installation file on the CD shipped with the camera. Install ffdshow before using the IPCamPlayer. For information on installation and use of ffdshow, see the ffdshow section at the end of this chapter.



The IPCamPlayer can be launched directly from the IPCamCenter or from the Programs menu. To launch the program from the IPView Pro 2.0 interface, click the movie icon on the control panel of the main IPView Pro 2.0 interface to launch IPCamPlayer.

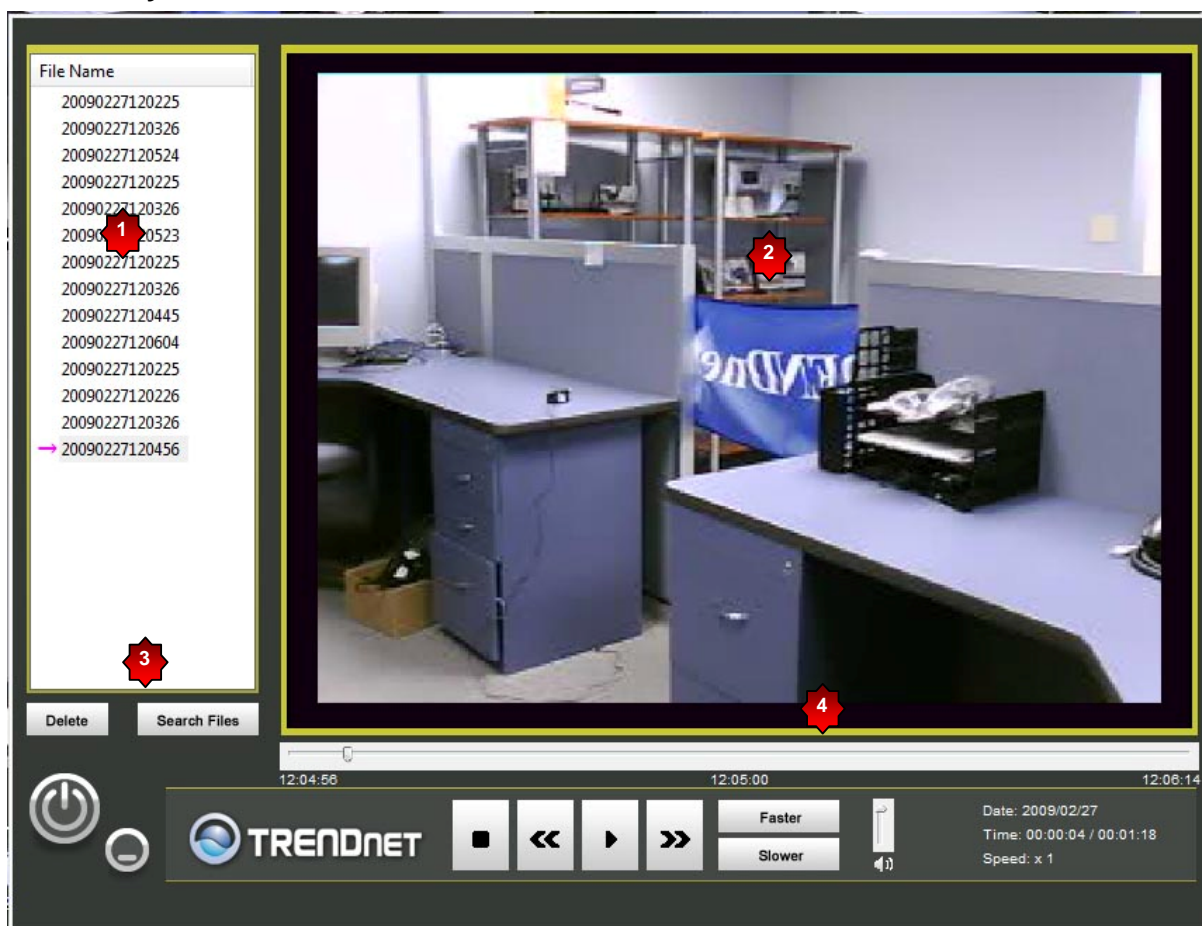


NOTE: Install the **ffdshow** package of video codecs from the installation CD before using the IPCamPlayer.

Load Saved Video Files

Each camera has a file created automatically for storing video files. These files are normally located in the My Documents folder in Windows. The file folders are named according to the IP address and camera model. For example, 192.168.10.30_TV-IP512P is the name of the file folder for the TV-IP512P using the default (non-DHCP) IP address.

IPCamPlayer User Interface



NO.	Item	Description
1	File list	Video files added to the list are viewed in the order listed.
2	View Screen	Video files in the list are played here. The progress bar and starting time of the video clip appears beneath the view screen.
3	Add/Delete files from list	Use the Search Files button to add recorded video files. A new menu pops up that is used to find and add files to the list. (See description on next page)
4	Playback controls	Standard video playback controls for Stop , Play/Pause , go to next file (>>) or go to previous file (<<) Faster and Slower to control speed of playback. Playback can be slowed to as much as 1/8 normal speed or speeded up to as fast as 8 times the normal speed. The vertical slider control is used for audio volume control.

To view recorded video files in the IPCamPlayer, it is first necessary to locate and select the files to be viewed and add them to the list. Click the **Search Files** button in the IPCamPlayer main interface and a new menu appears.

In the new menu, use the **Select Camera** pull-down menu to choose the video file folder of the camera to be reviewed. Use the **Select Time** menu to narrow the search to a specific time and date. Finally, the **Event** selection menu is used to further narrow the scope of the file search for videos triggered by **Motion Detection** or a **Digital Input** device. When the search criteria have been defined, click the **Search** button to place qualified files in the Search list.

The screenshot displays the IPCamPlayer search interface. On the left, a table lists search results with columns for IP Address, Camera Name, and Date & Time. All entries are checked. On the right, search criteria are defined: 'Select Camera' is set to 'Search All Camera', 'Select Time' is set from '2009/02/24 12:08:01' to '2009/02/27 12:08:01', and 'Event' includes 'Motion Detection' and 'Digital Input'. At the bottom, there are 'Add', 'Select All', and 'Clear All' buttons, and the TRENDnet logo.

IP Address	Camera Name	Date & Time
<input checked="" type="checkbox"/> 192.168.1.67	TV-IP512P	20090227120225
<input checked="" type="checkbox"/> 192.168.1.67	TV-IP512P	20090227120326
<input checked="" type="checkbox"/> 192.168.1.67	TV-IP512P	20090227120524
<input checked="" type="checkbox"/> 192.168.1.71	TV-IP512WN	20090227120225
<input checked="" type="checkbox"/> 192.168.1.71	TV-IP512WN	20090227120326
<input checked="" type="checkbox"/> 192.168.1.71	TV-IP512WN	20090227120523
<input checked="" type="checkbox"/> 192.168.1.73	TV-IP600W	20090227120225
<input checked="" type="checkbox"/> 192.168.1.73	TV-IP600W	20090227120326
<input checked="" type="checkbox"/> 192.168.1.73	TV-IP600W	20090227120445
<input checked="" type="checkbox"/> 192.168.1.73	TV-IP600W	20090227120604
<input checked="" type="checkbox"/> 192.168.1.76	TV-IP600	20090227120225
<input checked="" type="checkbox"/> 192.168.1.76	TV-IP600	20090227120226
<input checked="" type="checkbox"/> 192.168.1.76	TV-IP600	20090227120326
<input checked="" type="checkbox"/> 192.168.1.76	TV-IP600	20090227120456

Select Camera :
Search All Camera

Select Time :
From : 2009/02/24 12:08:01
To : 2009/02/27 12:08:01

Event :
☒ Motion Detection
☒ Digital Input

Buttons: Add, Select All, Clear All, Search, OK

TRENDnet

Choose the files to be added to the view file list by check marking the individual files or click the **Select All** button to check mark all files in the Search list, click **Add** to place the check marked files on the list of files for viewing.

After the files to be viewed have been chosen, click the **OK** button.

Play Video Files

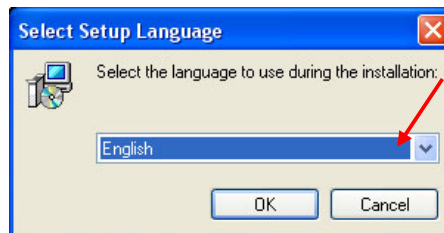
Now that the recorded video files have been selected and placed on the file list, they can be played and reviewed in the IPCamPlayer. Use the standard playback controls to play video files at normal speed or slowed down, paused, speeded up etc. Use the mouse and left click to grab the playback sliding progress indicator to move back and forth through the video.

ffdshow

The ffdshow software is used for audio and video encoding and decoding, especially for MPEG-4 formats. It is free software used on Windows systems and enables the user to tweak media playback and select specific codecs and formats. For use with the IPCamPlayer, the default settings used for ffdshow installation are all that is needed. Expert users can change audio and video codecs as desired with one of the three ffdshow configuration utilities installed along with the codecs. The configuration utilities can be accessed after installation from the ffdshow folder in the Programs folder (Start > Programs > ffdshow > [configuration utility]).

Install ffdshow

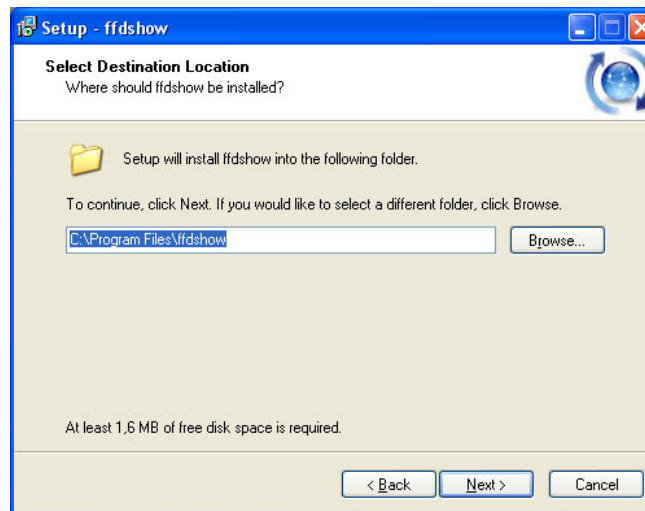
1. Download the ffdshow file from www.trendnet.com download site, unzip and save the file to your desktop.
2. Click the **ffdshow** install link, and select the desired language in the pop-up dialog window.



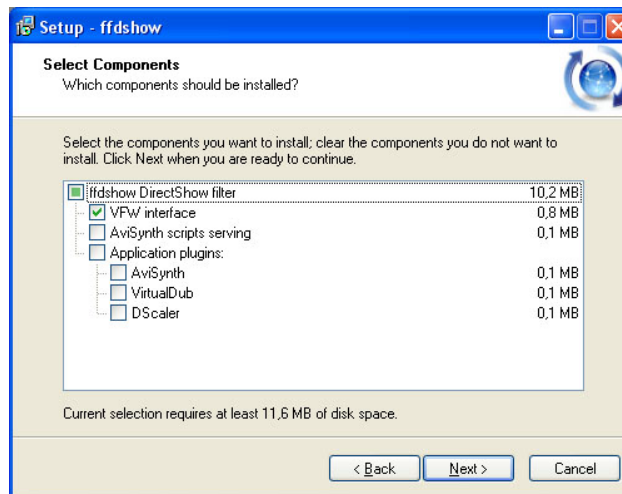
3. The InstallShield Wizard will appear, click **Next** in the welcome screen.



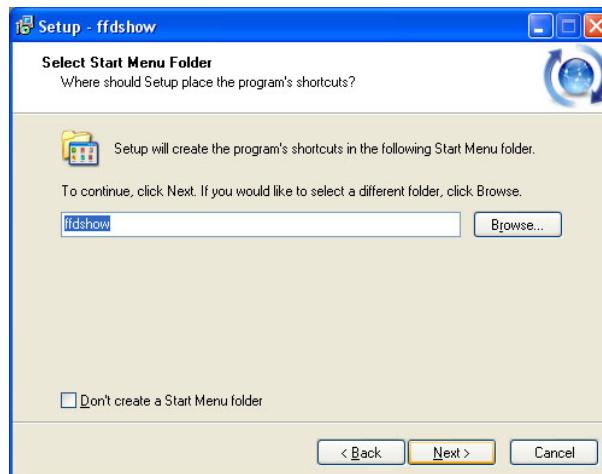
4. Accept the default location (Windows Programs folder) on the system for placement or **Browse** to choose an alternative, Click **Next** to continue.



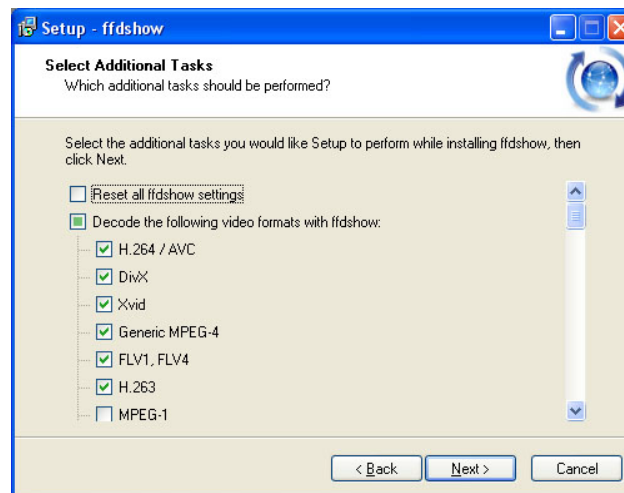
5. Click to check the components that will be installed. For IPCamPlayer it is only necessary to use the default components already selected. Click **Next** to continue.



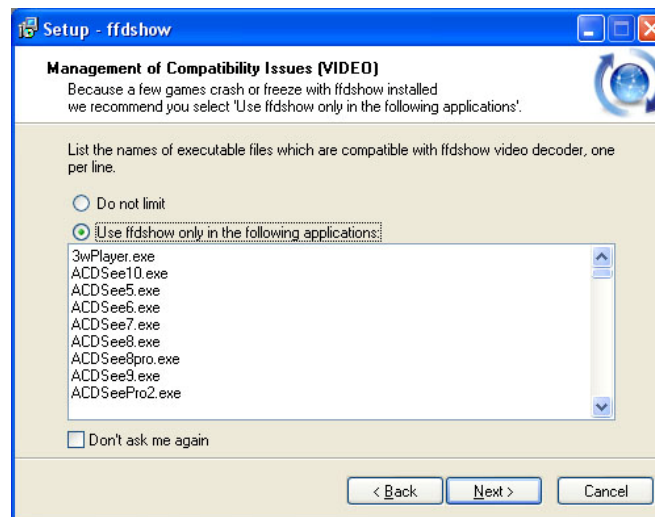
6. Accept the default destination folder (ffdshow) or **Browse** to choose an alternative, Click **Next** to continue.



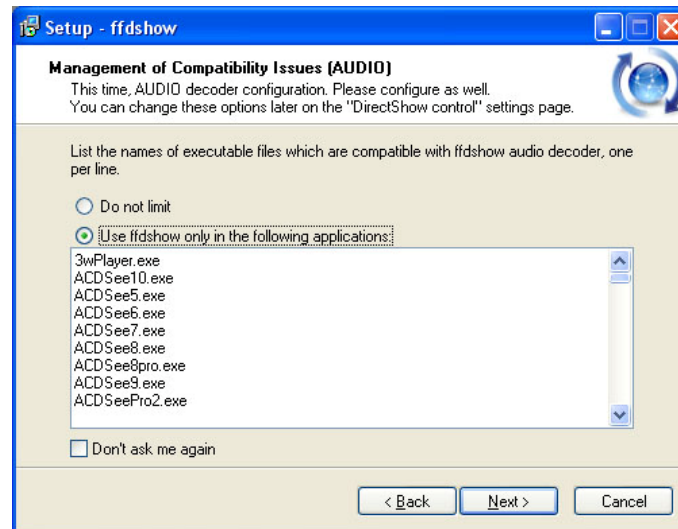
7. Click to check the additional tasks that will be installed. For IPCamPlayer it is only necessary to use the default formats already selected. Click **Next** to continue.



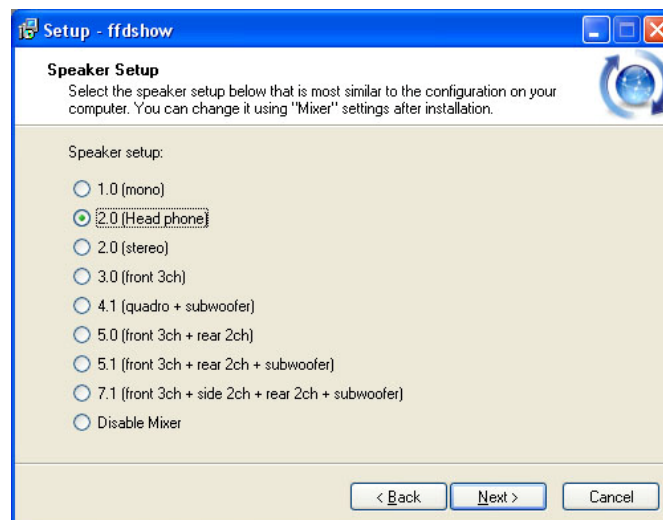
8. Click to check the video applications that use ffdshow. For IPCamPlayer it is only necessary to use the default applications already selected. Click **Next** to continue.



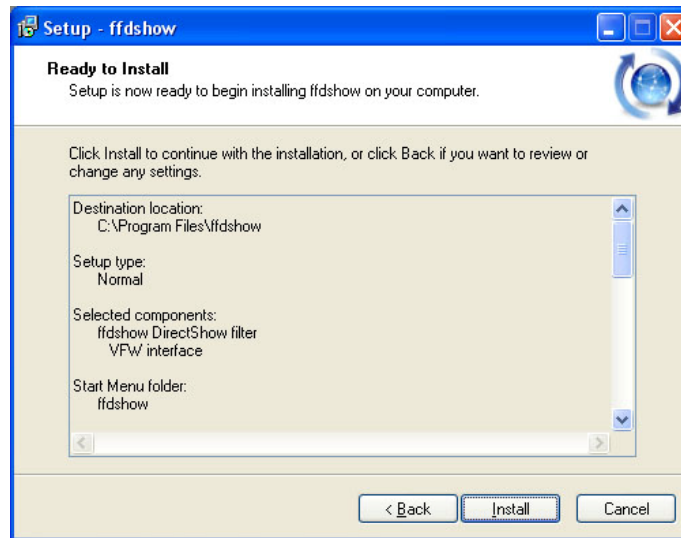
9. Click to check the audio applications that use ffdshow. For IPCamPlayer it is only necessary to use the default applications already selected. Click **Next** to continue.



10. Choose a speaker setup or choose Disable mixer if unsure. The audio function will work regardless of what speaker setup is chosen. Usually it will choose the default arrangement used on system on which it is being installed. Click **Next** to continue.



11. Review the information and click **Install** if satisfied that it is correct to install the necessary codecs. The installation will take a few seconds.



12. If desired, any of the three configuration utilities included with the ffdshow installation can be launched by checking the appropriate box. Click **Finish** to complete the installation.



NOTE: To download the latest copy of ffdshow please check the ffdshow website <http://ffdshow.en.softonic.com/>