



IP Surveillance Application Program

Ai-See

User's Manual

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Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

FCC Caution

To assure continued compliance. (example-use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the Following two conditions: (1) This device may not cause harmful interference, and (2) this Device must accept any interference received, including interference that may cause undesired operation.

Federal Communication Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/CE OF THE EUROPEAN PARLIAMENT AND THE COUNCIL OF 9 March 1999 on radio equipment and telecommunication terminal Equipment and the mutual recognition of their conformity (R&TTE)

The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8,2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

WEEE Regulation



To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

Revision

User's Manual for PLANET IP Surveillance Application Program
For Model: ICA-310, ICA-312, ICA-350, ICA-610, ICA-651, IVS-110
Rev: 1.0 (July. 2007)
Part No. EM-AISEE

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1. Introduction

Ai-See is a multi-camera video surveillance application that enables you to set up a comprehensive and effective surveillance system quickly and easily. Ai-See allows you to track workstations and individual users that may use multiple PC's on your network. It is scalable from cameras to up to 16 cameras.

1.1 Overview

This user's manual explains how to operate the Ai-See from a computer. Basically, the user's manual is written to be read on the computer display. However, users might consider printing it out to access easily and read it before you operate the Ai-See.

1.2 Features

- Multiple cameras support up to 16 cameras.
- Supports IP cameras and Internet video servers
- Pan/Tilt/Zoom (PTZ) support for many IP cameras
- Multi-profile encoder supports MPEG-4 and M-JPEG video compression simultaneously
- Allows for multiple recordings to occur at the same time from different cameras
- Integrate cameras located at remote site and accessed via the Internet or a LAN

1.3 System Requirement

The system consumes huge of computation power to decode and record multiple video streams from IP cameras. Therefore, bear in mind that much faster CPU speed and higher system memory will be very useful to handle and process multi-channel video streams. Here is a minimum recommendation of system requirement as below:

System Requirement for Ai-See Application Program	
Support OS	Win 2000, Win XP
System Hardware	CPU: Pentium 4, 2.8GHz or fast Memory Size: 1GB or higher VGA card resolution: 1024 x 768 or above VGA card memory: 64 MB or higher Sound card: Necessary Free space of hard disk: 10G or higher Power supply: 300W or above

Also it does strongly recommend that close the other application un-necessarily programs while running Ai-See to monitor and record video stream from IP cameras.

1.4 Compatibility IP cameras

Camera Type		
Speed Dome Camera	ICA-601	ICA-600
	ICA-651	ICA-650
PT Camera	ICA-500	
Infrared Camera	ICA-350	ICA-300
	ICA-310	ICA-302
	ICA-312	
Video Server	IVS-110	IVS-100
CMOS Camera	ICA-108	
	ICA-108W	

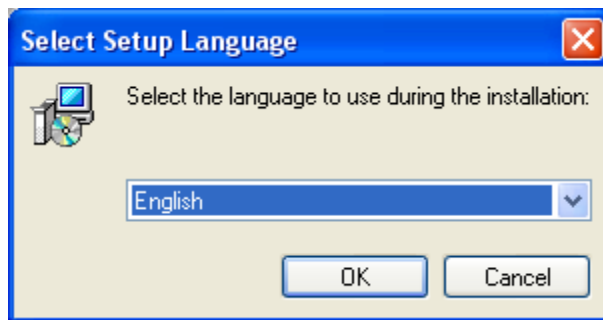
2. Software Installation

1. Insert the bundled IP Camera CD disk into the CD-ROM drive to launch the autorun program. Once completed, a welcome menu screen will appear.

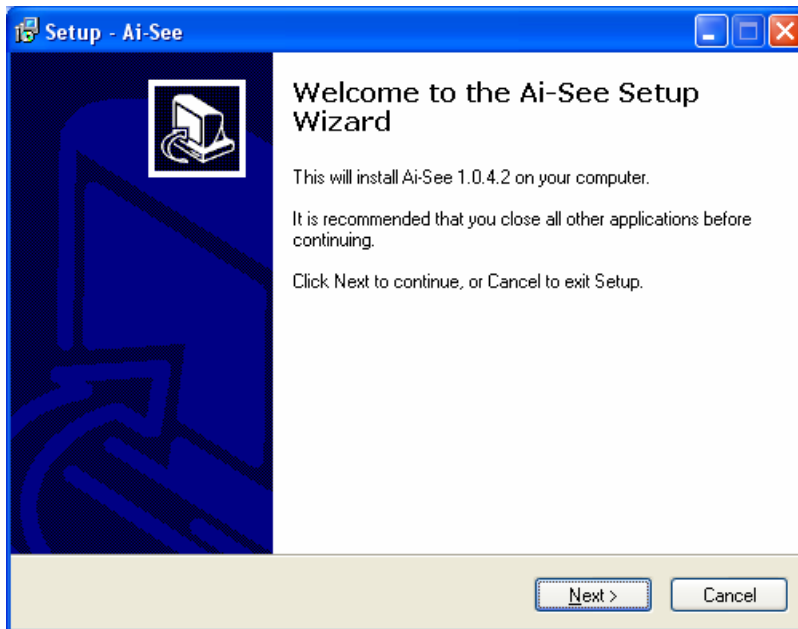
Click the “Ai-See” hyperlink, the below InstallShield Wizard dialog box will appear.

Note: If the welcome screen does not appear, click “Start” at the taskbar. Then, select “Run” and type “D:\Utility\ai-see.exe”, assume “D” is your CD-ROM drive.

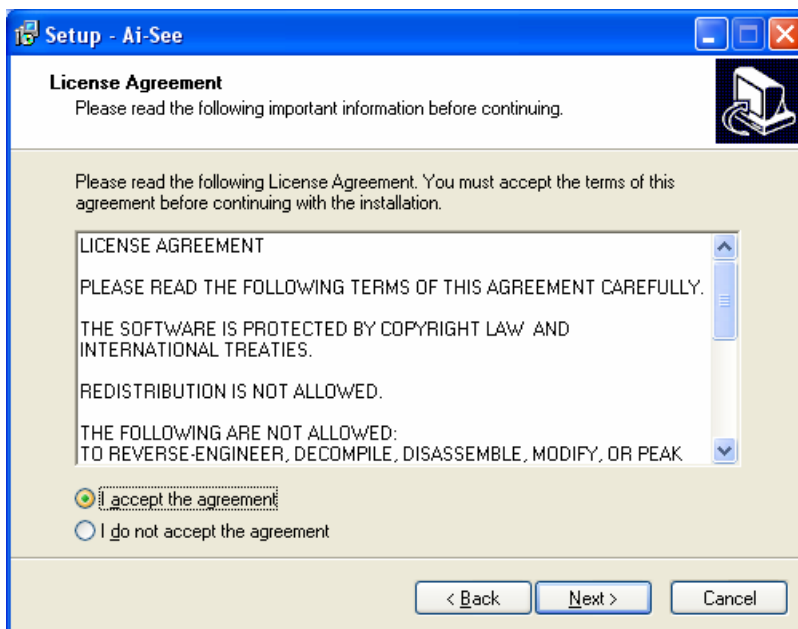
2. Selects the language which you want, Ai-See is current including two languages - English and French.



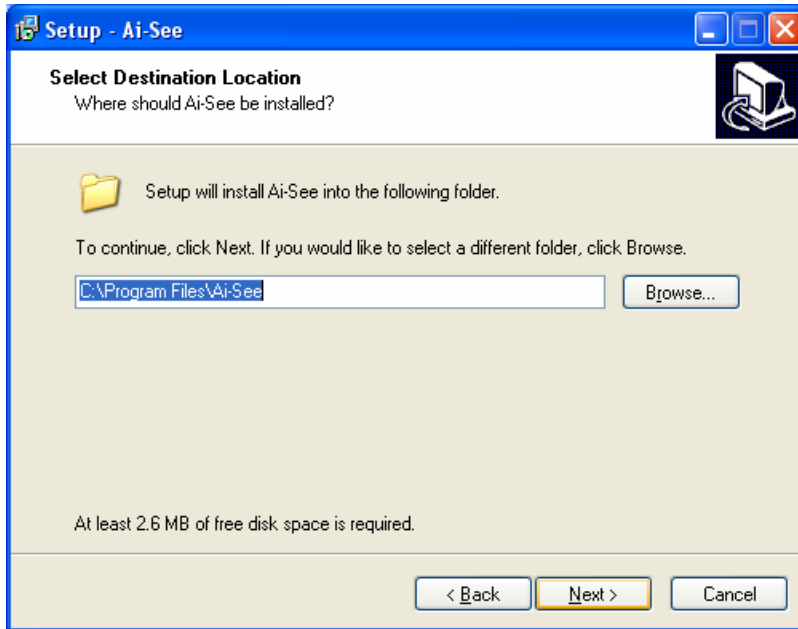
3. The "Welcome to the Ai-See Setup Wizard" will display on the screen and click "Next" to continue.



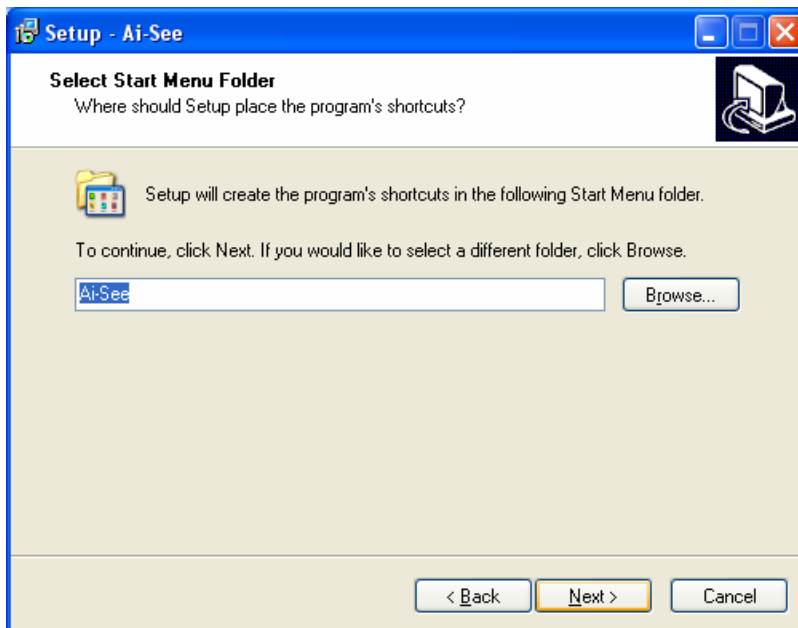
4. Please read the license agreement and then check "I accept the agreement" if you are agreed and click "Next" to continue installation



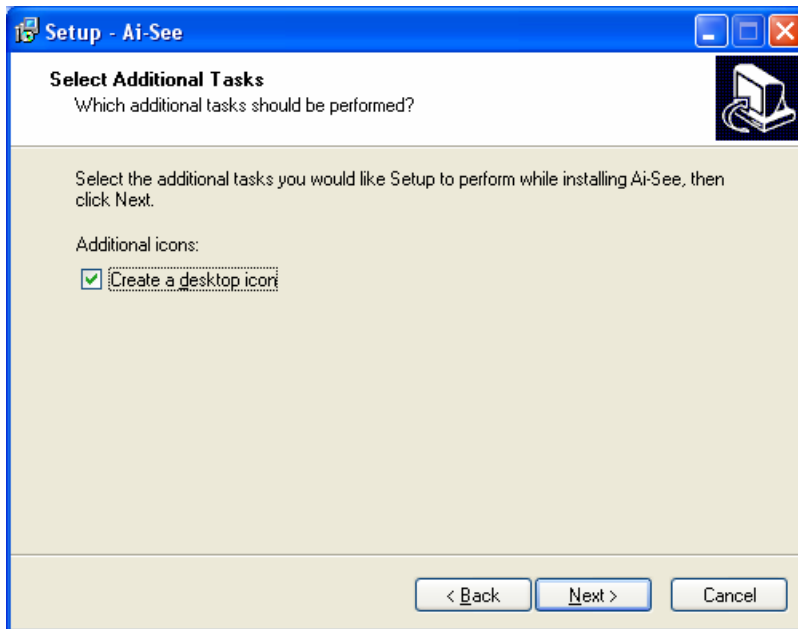
5. Please click “Next” to install with original settings, or you may click “Browse...” button to assign a install folder then press “Next” to continue.



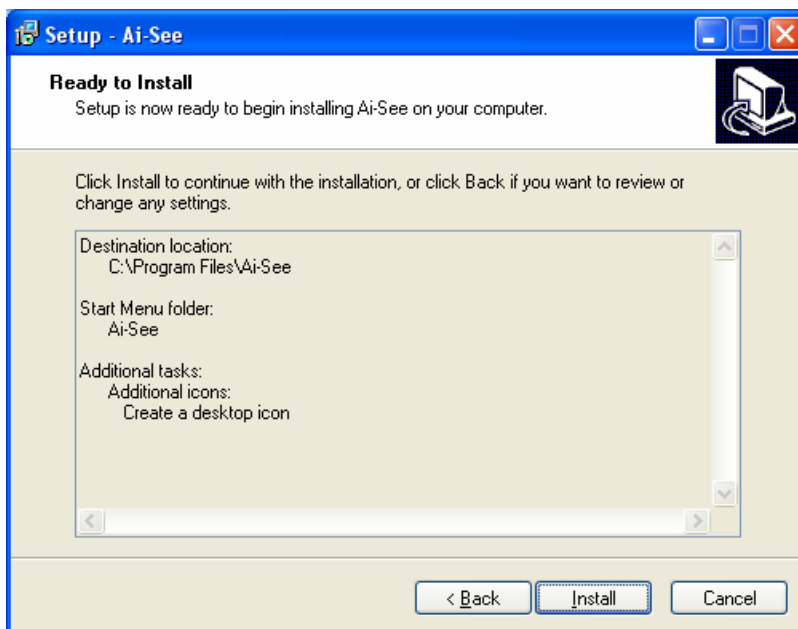
6. Please click “Next” to install with original settings, or you may click “Browse...” button to rename the program’s shortcut of Start Menu then press “Next” to continue.



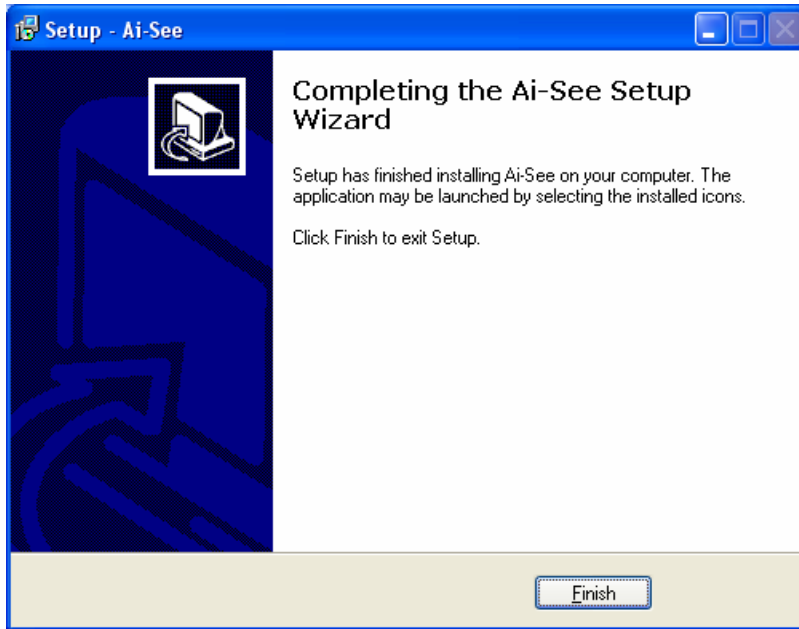
7. You may create a desktop icon or not and click “Next” to continue installation. If you don’t need the icon on desktop, please un-check it.



8. The “Ready to Install” dialog box will show you the configuration of this installation. If the configuration is fine, please click “Install” to continue.



When the installation finished, the completing screen will pop-up as below. Click “Finish” button to complete this setup program.



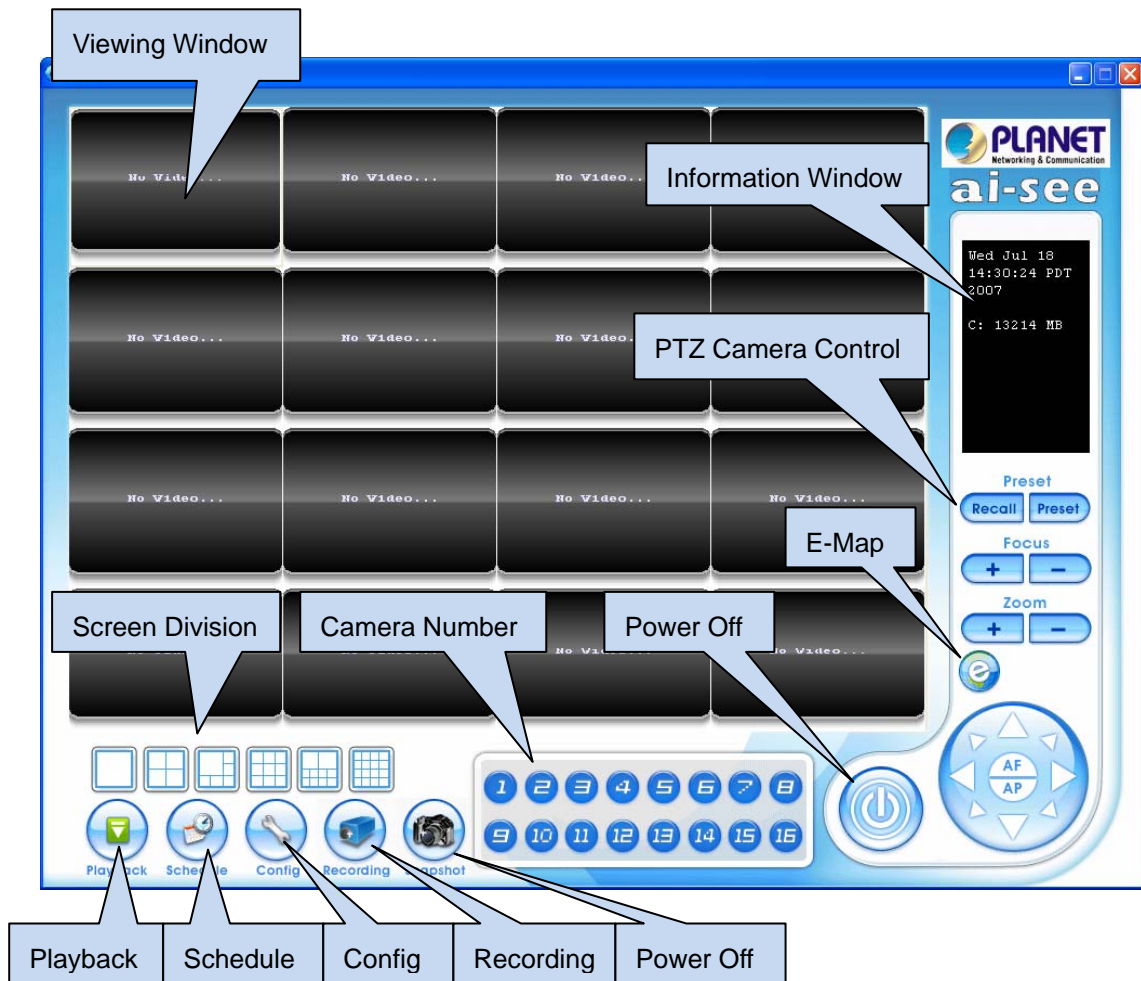
3. Configuration Utility



User can double-click this icon on your system desktop to start Ai-See. Another way to start the Ai-See that click on Start > Program > Ai-See > Ai-See



3.1 Main Console



The main operation menu is shown above. The major function and icons are described below:

Viewing Window: All monitored cameras will be shown on the window by setting. There are six kinds of layout that can be chosen.

Screen Division: Allocate the sub-screen displays of cameras by clicking on the icon of desired layout. The layout of the screen has the following modes:

- **Single:** Only one camera displays video.
- **2x2:** The screen is divided into 4 camera sections.
- **6:** The screen is divided into 6 camera sections.
- **3x3:** The screen is divided into 9 camera sections.
- **10:** The screen is divided into 10 camera sections.
- **4x4:** The screen is divided into 16 camera sections.

Camera Number: Click the camera number to select the desired camera. Then user can activate the "Config", "Recording", or "Snapshot" functions for this camera.

Power Off: Exit Ai-See application program.

PTZ Camera Control: Control the movement of installed PTZ camera to move the camera direction to the up / down / left / right and zoom out on the image.

Information Window: Show the system information includes date, time, and free HDD space.

Playback: Click the icon to invoke the default media player to play the recorded video files.

Schedule: Schedules recording time table for cameras.

Config: To setup the parameters of selected camera, users need to click the desired camera first.

Snapshot: Click the icon to start video recording or stop it and save it into "Video" folder.

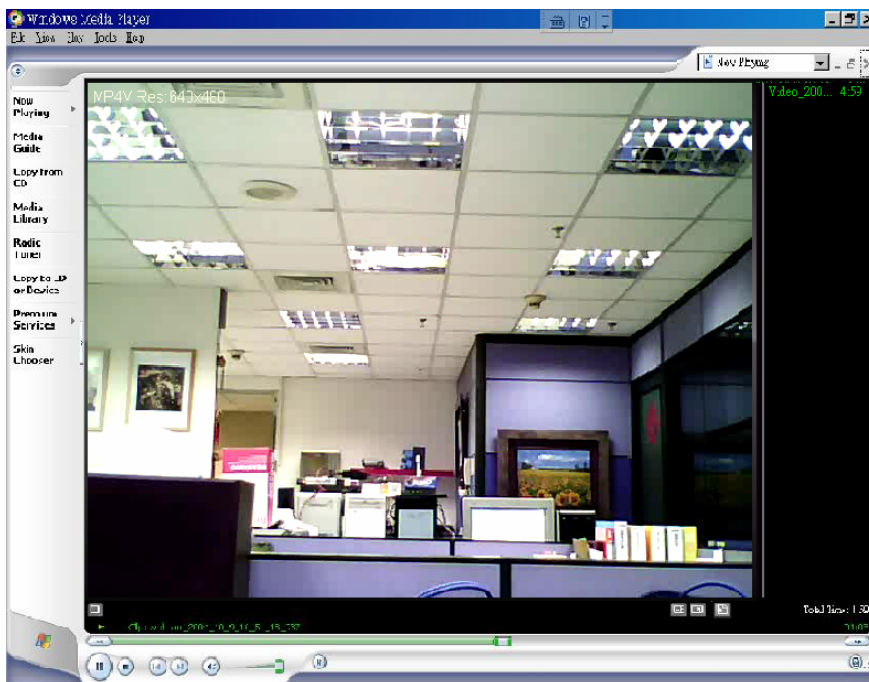
E-Map: Press this button to do central location management for 16 cameras.

3.2 Playback

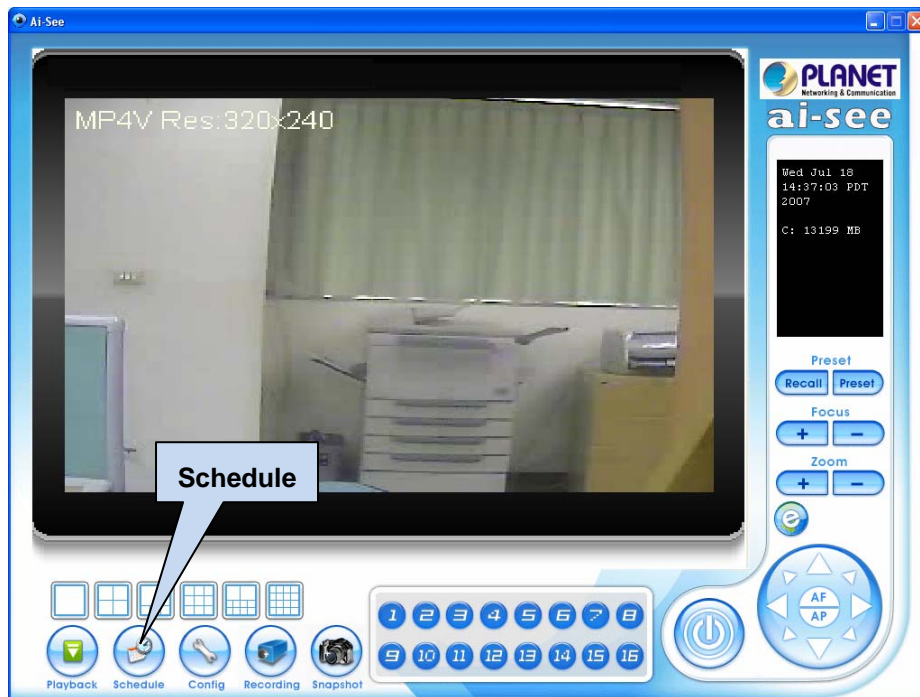


Click the “Playback” icon on main menu to playback the recorded video file. User should pick up a recorded file from recording video folder. Then the system will invoke system default media player to play the recorded file as below

Note that the codec format of recorded file is MPEG-4 for video and G.726 for audio. User might need to get the properly video codec and install them into your system if has not installed yet. Otherwise, your default media player might not be able to playback the recorded file. Please update your media player.



3.3 Schedule



Click the "Schedule" icon on main menu and get the Schedule menu to setup the time schedule for video recording , it has support up to 4 schedules.

To setup the time schedule for camera(s), here are related parameters:

Enable: Check it to enable this schedule.

Sun, Mon, ... , Sat: Pick up the working day(s) within this week.

Start time and End time: Set the start time and end time of schedule.

Cam: Select the working camera for this schedule. Note that user can repeat to select multiple cameras with same schedule without limitation.

Rec: Check it to enable recording function for the selected camera.

Save: Click "Save" button to save the settings.

Config Schedule

Schedule 1

Enable

Sun Mon Tue Wed Thu Fri Sat

0 0 - 23 59

Cam: 1 Rec

Schedule 2

Enable

Sun Mon Tue Wed Thu Fri Sat

0 0 - 23 59

Cam: 1 Rec

Schedule 3

Enable

Sun Mon Tue Wed Thu Fri Sat

0 0 - 23 59

Cam: 1 Rec

Schedule 4

Enable

Sun Mon Tue Wed Thu Fri Sat

0 0 - 23 59

Cam: 1 Rec

Save Close

3.4 Configuration



Please select the camera that you would like to configure with the camera number button. Then click the "Config" on the main menu, the below IP camera setting menu will pop up. You

can modify the selected IP camera settings within the dialog box.

Config

Camera: 1

Host:

Port: 5000

Web Port: 80

User Name: admin

Password:

Profile: MPEG4 QVGA

Record Path: C:\Program Files\Ai-See **Select**

Snapshot Path: C:\Program Files\Ai-See **Select**

Recycle Recording

Space Threshold: 1024

Audio

Volume: [Slider]

Search **Link**

ICA-108: 192.168.0.100
ICA-108W: 192.168.0.110
IVS-110: 192.168.0.170
ICA-312: 192.168.0.130
ICA-350: 192.168.0.140
ICA-651: 192.168.0.160
ICA-310: 192.168.0.120

Save **Close**

Camera: Assign the camera in the different section.

Host: Fill up the IP address of the targeted camera.

Port: Fill up the video streaming port of the targeted camera. (Default: 5000)

User Name: Fill up the user name of the targeted camera. (Default: "admin")

Password: Fill up the password of the targeted camera. (Default: empty)

Profile: Select the video profile of the targeted camera. (Default: MPEG4 QVGA)

Record Path: Assign the path and folder in which the system saves the recorded files.

Space Threshold: IF free space is not enough, Ai-See will delete the oldest recording file and keep recording.

Audio: Check the audio will enable the volume.

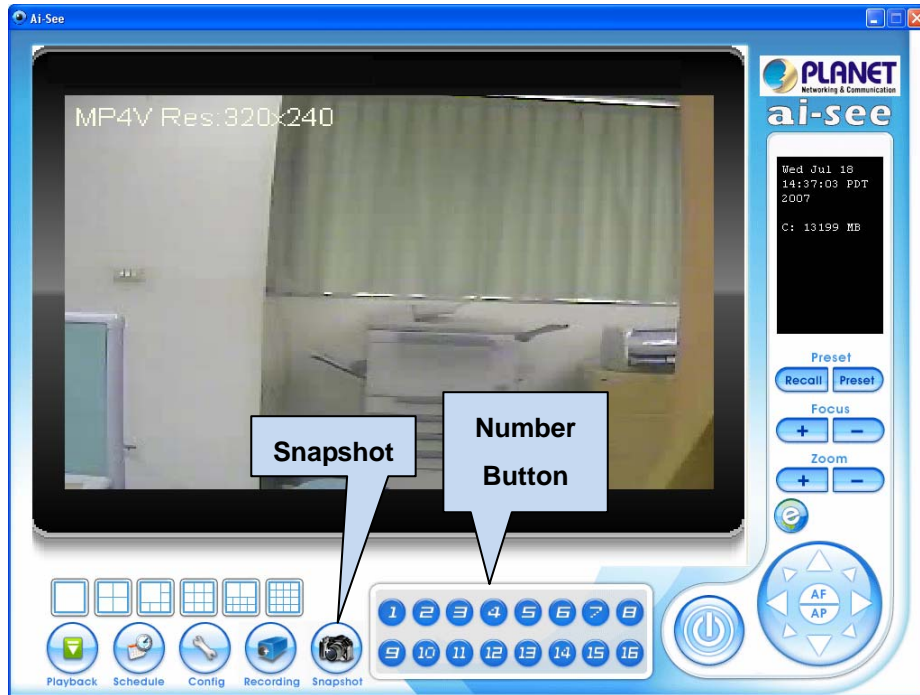
Volume: This is one control bar for volume. Scroll this control bar to adjust the audio attribute.

3.5 Recording



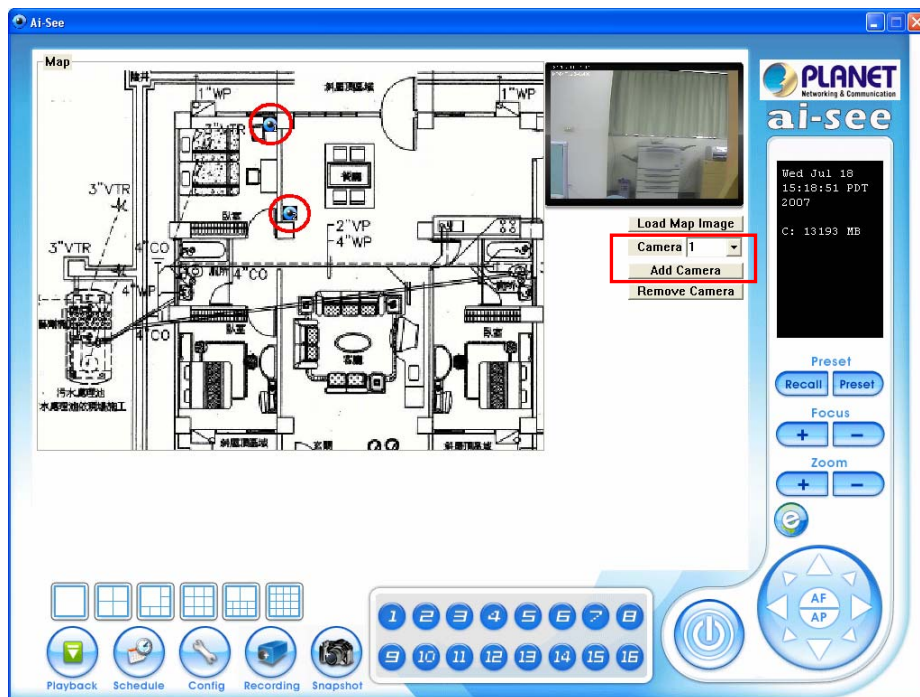
Please select the camera that you would like to record with the camera number button. Then click the "Record" on the main menu, click the "Recording" icon to start record video stream, press this button again will stop recording and save the record file into "Video" folder. The recorded video file will be segmented automatically per 5 minutes. Therefore, it will be 12 recorded files per hour. There will be a red spot on the window of recording camera to indicate this camera is recording.

3.6 Snapshot



Please select the camera that you would like to capture with the camera number button. Then click the "Snapshot" on the main menu, click the "Snapshot" icon will capture a screen image and save the file into "Snapshot" folder. The captured file will be saved as JPEG format.

3.7 E-Map



Load Map Image: Choose a proper file or map layout to load.

Add Camera: You can select camera 1 to 16 which you want to add in the in pull-down list and press "Add Camera" button.

When you double click the camera icon on the map, the screen will be display in the right side.