

Focus Assistant Software

User Manual

UD.6L0202D1302A01

Thank you for purchasing our product. This manual applies to Focus Assistant software, please read it carefully for the better use of this software. The contents in this manual are subject to change without notice.

Contents

Chapter 1 Introduction.....	3
1.1 Overview	3
1.2 System Requirements.....	3
1.3 Conventions	3
1.4 Version Information	3
Chapter 2 Running Focus Assistant.....	4
Chapter 3 Adding Online Devices.....	5
3.1 Adding Online Devices.....	5
3.2 Importing from Client.....	6
3.3 Adding a Device by IP or IP Segment.....	6
3.4 Adding a Device by HiDDNS	7
Chapter 4 Starting Lens Focusing.....	10
4.1 Starting Live View.....	10
4.2 Adjusting the Lens.....	10

Chapter 1 Introduction

1.1 Overview

Focus Assistant software is a kind of user-friendly and installation-free tool. It is able to connect with network cameras via the Ethernet and help user adjusting focus of it.

1.2 System Requirements

Operating System: Microsoft Windows 7 / Windows 2008 32 / 64-bit
Windows XP / Windows 2003 32-bit

CPU: Intel Pentium IV @ 3.0 GHz or above

RAM: 1G or above

Video Card: RADEON X700 Series


Display: 1024*768 resolution or above

1.3 Conventions

In order to simplify the description, we define the “Focus Assistant software” as “software” in the following chapters.

1.4 Version Information



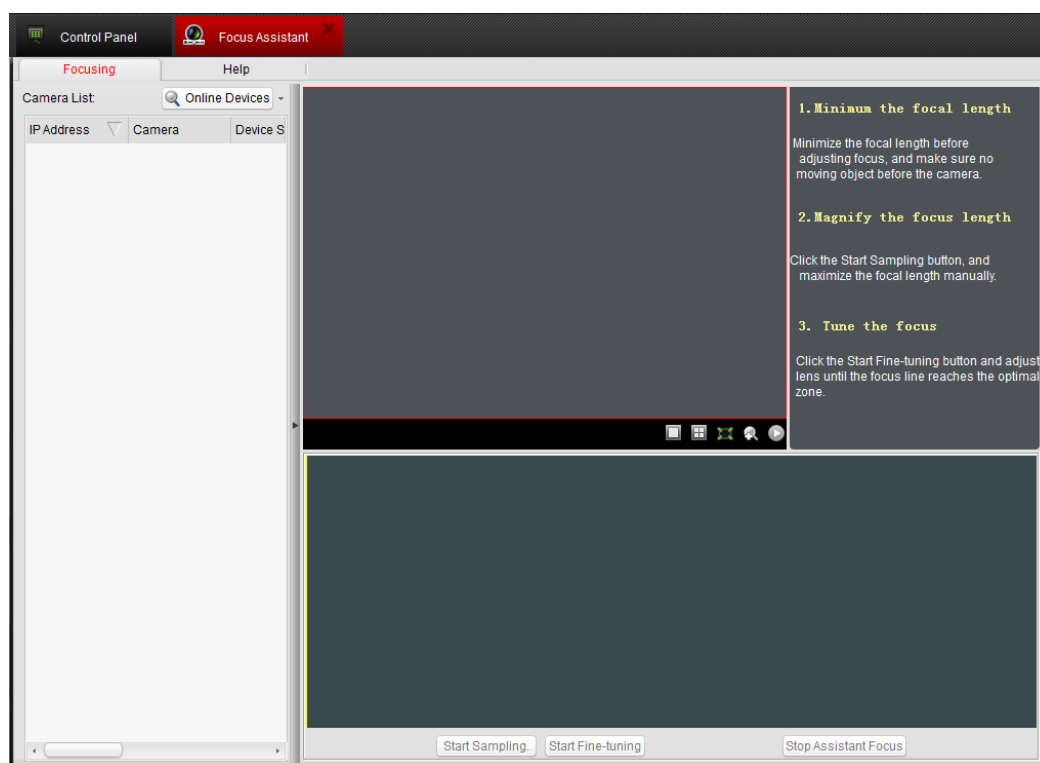
After installing the software, run the software and click  on the control panel to enter the Focus Assistant interface.

Click the **Help > About** tab at the top to view the version information or click **Help > User Manual** to get the User Manual of the software.

Chapter 2 Running Focus Assistant



Run the software as the administrator and click on the control panel to enter the Focus Assistant interface.




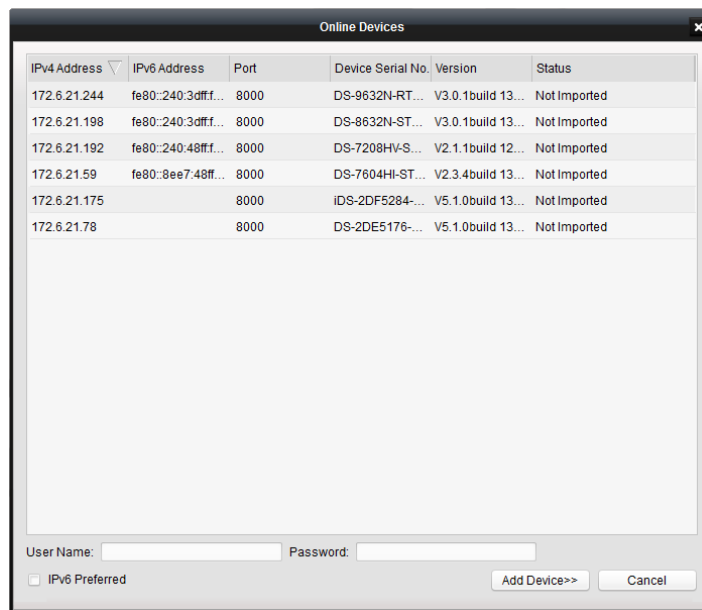
Note: The software must be run as administrator. When you log in the operating system as an administrator, you can run it directly and when you login as other operator, you need to right click on the application and choose to run as administrator.



Chapter 3 Adding Online Devices

3.1 Adding Online Devices

Steps:

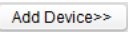
1. After startup of the Focus Assistant, click the  button on the top-left corner of the main interface of the software.



Note: You can click  or  on the heading of IPv4 Address column to order the list.

2. Click to select a device or you can press Ctrl and click multiple devices to select them.

You can check the **IPv6 Preferred** checkbox to add the device by IPv6 if the device is configured with both IPv6 and IPv4 settings.

3. Enter the User Name and Password of the selected device(s) and click  button to add the device(s).

Note: Only network cameras can be added to this software.

After adding, the status of the device displays as Added, as shown in the figure below.

IPv4 Address	IPv6 Address	Port	Device Serial No.	Version	Status
172.6.21.244	fe80::240:3dff...	8000	DS-9632N-RT...	V3.0.1build 13...	Added
172.6.21.198	fe80::240:3dff...	8000	DS-8632N-ST...	V3.0.1build 13...	Login failed.
172.6.21.192	fe80::240:48ff...	8000	DS-7208HV-S...	V2.1.1build 12...	Login failed.
172.6.21.59	fe80::8ee7:48ff...	8000	DS-7604HI-ST...	V2.3.4build 13...	Added
172.6.21.175		8000	IDS-2DF5284-...	V5.1.0build 13...	Not Imported
172.6.21.78		8000	DS-2DE5176-...	V5.1.0build 13...	Not Imported

If the adding is failed, the status will return the error information.



IPv4 Address ▾	IPv6 Address	Port	Device Serial No.	Version	Status
172.6.21.244	fe80::240:3dff...	8000	DS-9632N-RT...	V3.0.1build 13...	Added
172.6.21.198	fe80::240:3dff...	8000	DS-8632N-ST...	V3.0.1build 13...	Login failed.
172.6.21.192	fe80::240:48ff...	8000	DS-7208HV-S...	V2.1.1build 12...	Login failed.
172.6.21.59	fe80::8ee7:48ff...	8000	DS-7604HI-ST...	V2.3.4build 13...	Added
172.6.21.175		8000	iDS-2DF5284-...	V5.1.0build 13...	Added
172.6.21.78		8000	DS-2DE5176-...	V5.1.0build 13...	Added

3.2 Importing from Client


Purpose:

You can also import the information of device resources added to the iVMS-4200 client software.

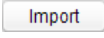

Steps:

1. Click  beside the  button to enter its sub-menu. Click **Import from Client** as shown in the following figure.



2. Click the  button on the Import from Client interface to browse the directory and select the database file.

Note: The file should be in the *.db format.

3. Click  to import the device resources from the iVMS-4200 client software.
4. Click  to add the devices to the camera list.

3.3 Adding a Device by IP or IP Segment

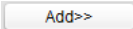
Purpose:

Perform the following steps to add devices by IP or IP Segment. The IP Segment mode provides a way to search the online cameras between the start IP address and end IP address.

Steps:

1. Click **Add by IP/IP Segment** from the sub-menu.

The screenshot shows a dialog box titled "Add by IP/IP Segment". It has two sections: "By IP" and "By IP Segment". The "By IP" section is active, with fields for "IP Address:", "Port:" (set to 8000), "User Name:", and "Password:". Below these fields is an "Add>>" button. The "By IP Segment" section is inactive, with fields for "Start IP:", "End IP:", "Port:" (set to 8000), "User Name:", and "Password:". Below these fields is another "Add>>" button. At the bottom right of the dialog is a "Cancel" button.

2. Enter the requested parameters.
3. Click  to add the device.

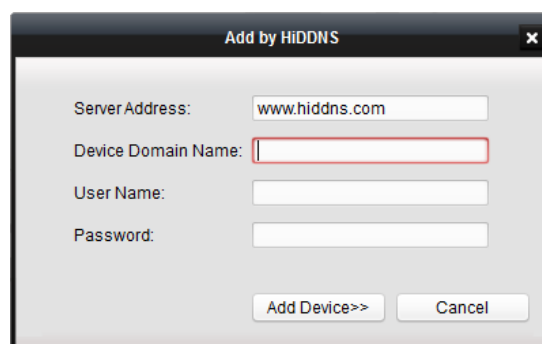
If you choose to add by IP Segment, there will be a progress bar indicating the adding percentage.

The screenshot shows the same dialog box, but now the "By IP Segment" section is active. The "By IP" section is inactive. The "By IP Segment" section has fields for "Start IP:" (172.6.21.5), "End IP:" (172.6.21.250), "Port:" (8000), "User Name:" (admin), and "Password:" (masked with dots). Below these fields is a "Stop Adding" button. At the bottom of the dialog, there is a progress bar showing 3% completion. A "Cancel" button is at the bottom right.

3.4 Adding a Device by HiDDNS

Steps:

1. Click **Add by HiDDNS** from the sub-menu.



The 'Add by HiDDNS' dialog box contains the following fields and buttons:

- Server Address:
- Device Domain Name:
- User Name:
- Password:
- Buttons: 'Add Device>>' and 'Cancel'

2. The Server Address of the HiDDNS appears automatically: www.hiddns.com.

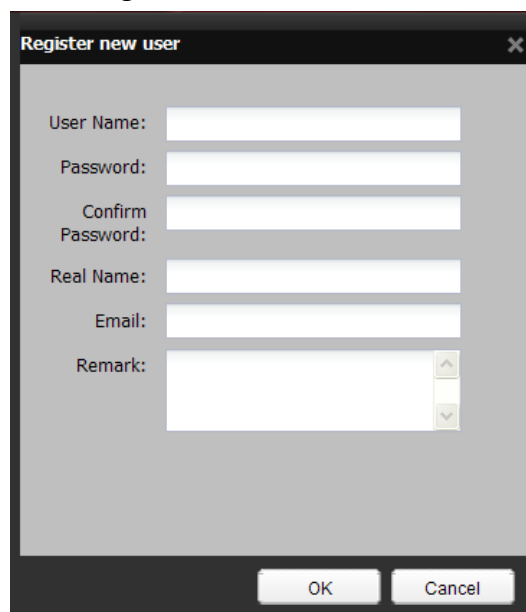
Input the Device Domain Name.

You can register the device domain name in the HiDDNS server first and then enter it in the textbox.

Register the device on the HiDDNS server.


Steps:

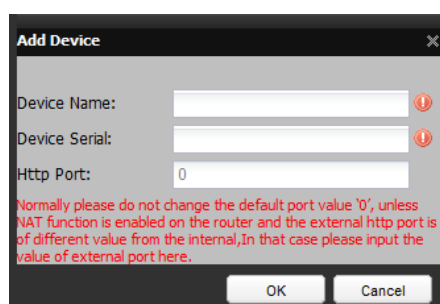
- 1) Go to the HiDDNS website: www.hiddns.com.
- 2) Click the [Register new user](#) tab to register an account if you do not have one and use the account to log in.



The 'Register new user' dialog box contains the following fields and buttons:

- User Name:
- Password:
- Confirm Password:
- Real Name:
- Email:
- Remark:
- Buttons: 'OK' and 'Cancel'

- 3) In the Device Management interface, click the icon  to register the device.



The 'Add Device' dialog box contains the following fields and buttons:

- Device Name:
- Device Serial:
- Http Port:
- Buttons: 'OK' and 'Cancel'

Below the fields, there is a red warning message:

Normally please do not change the default port value '0', unless NAT function is enabled on the router and the external http port is of different value from the internal, In that case please input the value of external port here.

Note: Only lower-case English alphabet, numeric and '-' can be used in the device name and it must be started with letter of the lower-case English alphabet.

3. Click  to add it.

Chapter 4 Starting Lens Focusing

4.1 Starting Live View

Purpose:

You may get the live view image from the connected device before adjusting its lens.






Steps:

Double-click a device to start live view.


You may control the live view with the toolbar.




Table 1-1 Description of Live View Toolbar

Icon	Description	Icon	Description
	Single-window division		4-window division
	Full screen		Digital Zoom
	Start / Stop live view		

4-window division

Click the  button to enter the 4-window division mode. The 4 windows display the live video from the same camera, yet you can operate each of them separately.

Digital Zoom

Click the  button and double-click the target zoom area, and then the area will be enlarged.

You can double-click it again to resume.

Note: The enlarged times is determined by the added device.

Full Screen

Click  to trigger full screen.

You can press **Esc** button to resume.

4.2 Adjusting the Lens

Note: For the vari-focal lenses, you need to determine the focal distance according to

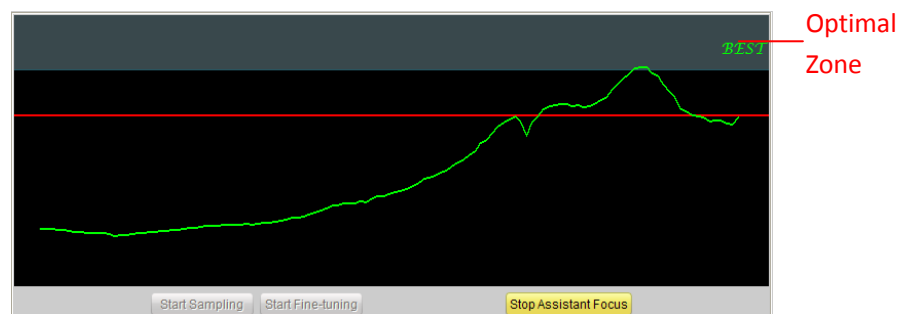
the actual demand before you adjust the focus. And for the fixed-focal lenses, you may perform the following steps directly.

Steps:

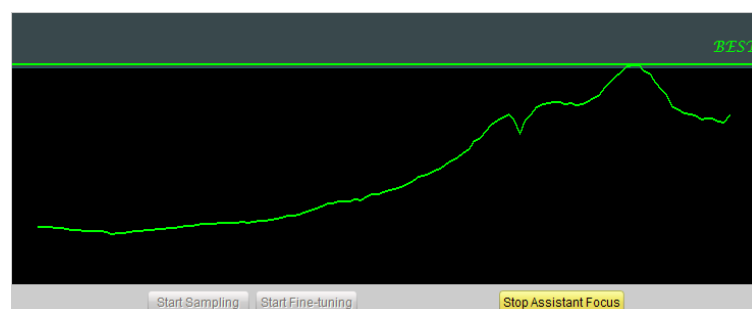
1. Adjust the lens to the minimum focal distance manually, and make sure there is no moving object in front of the lens.
2. Click **Start Sampling** and adjust the lens to the maximum focal distance slowly, while the software will start to analyze the video quality and draw a dynamic curve of it, as shown in the figure below.



3. Click **Start Fine-tuning** and there will be a static curve of quality history and a red line indicating the current quality, as shown in the figure below.



4. Adjust the lens until the red line reaches the optimal zone and turns green, as shown in the figure below.



5. Click **Stop Assistant Focus** to finish adjusting.

The information will be cleared and you can continue to adjust other lenses.

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