



JPC-1000

(Jiris Private Camera-1000)

Software Installation & User Manual

<FCC STATEMENT>

The users that change 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 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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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:

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

Contents

1. Warnings

1.1 Placements of the JPC-1000

1.2 Management of JPC-1000

2. JPC-1000 Features

3. Packed Contents and the specs

3.1 Hardware

3.2 Minimum system Requirements

4. Set Up JPC-1000

5. Installation (Under Windows XP)

5.1. Install EIAP JPC-1000 software

5.1.1 Installation of Devices driver

5.2. Icon validation for EyeNI

5.3. Operating EyeNI program

<Caution>

You should install it to the place that there are not a lot of moistures or rain to prevent from danger of fire and electric shocking, to avoid. Also, you can not disjoint it randomly, please ask the JIRIS customer service center when need.

1. Warnings

1.1 Placement of the JPC-1000

- 1) Don't place the camera near moisture and heat. Keep away from the direct rays of sun.
- 2) Keep away from the audio system such as a speaker or a magnet. They may be the obstacles to the quality of screen and the transmission of a voice.
- 3) Avoid dust and water near the camera.
- 4) If the camera is placed on unsafe places and, as a result, falls on the ground or is impacted, it is likely to be damaged or out of order.

1.2 Management of JPC-1000

In order to protect the safety and the property of user's and to extend the life span of product, please be sure to read the manual before handling the product or before installation.

- 1) Disconnect the camera cable from USB port, if you are not use for long period of time.
- 2) Do not spray water or benzene, thinner and alcohol on to camera.
- 3) Use dry and soft cloths to clean camera and lens.
- 4) Do not disassemble or repair the camera at random.
- 5) Do not spill coffee or beverages on to the camera.
- 6) Keep the camera beyond the reach of the children.
- 7) For troubleshooting, please call or ask to Jiris A/S center or store where you buy. For additional information, please visit us at www.jiristech.com

2. JPC-1000 Features



3. Packed Contents and the specs

3.1 Hardware

- 1) JPC1000 Camera(USB Cable)
- 2) Software CD
- 3) User's Manual

3.2 Recommendation system Requirements

- 1) Cable port : USB port
- 2) Processor : More than Pentium 4- 2.0 GHz
- 3) RAM : More than 512 MB
- 4) OS : Windows XP, Windows 2000, Windows 2003
- 5) Monitor Resolution : 1024X768 pixel resolution display, 16-bit Color display
- 6) Others : CD-ROM drive, More than DirectX 9.0

4. Set Up JPC-1000

Insert the Software CD into the CD-ROM drive and install the program.
Next, connect the camera USB cable to the USB port of your computer.
Do not connect before the installation..

**If the camera has been connected ahead of software installation, cancel all your work and insert the Software CD first.*

1. After you pull the contents out of the box, make sure that the Items written in the manual are the same as the contents
2. Insert the Software CD into the CD-ROM drive. The installer starts automatically.
3. After finish the Software installation, connect camera cable to USB Port. Follow the prompt on the screen and click the [Finish] Button.
4. After the camera is installed automatically, EyeNi Icon program appears on the screen, Then, the software installation is completed.

This manual is subject to change without notice for improvement
In the function of the product and due to the modification of its options.

5. Installation (Under Windows XP)

Driver and Software installation

This Software can install and run on Windows 2000, Windows 2003.
This manual will not guide installation under Windows 2003, Windows 2003.
Because this Software installation process is same as under Windows XP.
But, there are two cautions while installation under Windows 2000.

When you insert installation CD into the CD-ROM drive, it will be showing automatically Installation display as <Picture 1>.

If so, click "Cancel" button to close, you should first perform "MyODBC.exe in the "Driver" folder of installation CD. Few second later, it will be asking for Reboot .after rebooting, you can install the Software under Windows 2000 same as under Windows XP.

DirectX9.0 can be downloaded at www.Microsoft.com

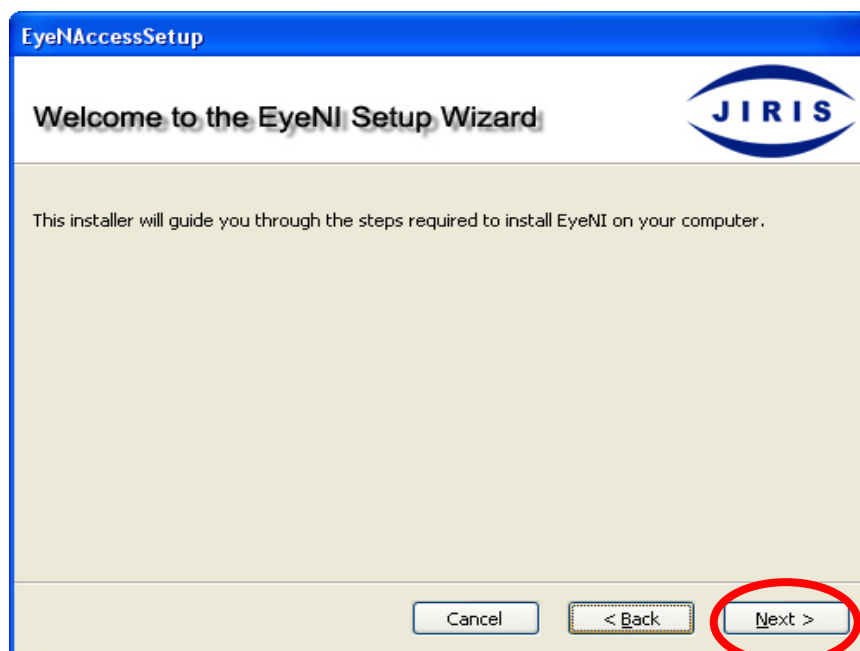
5.1. Install EIAP JPC-1000 software

5.1.1 Installation of Devices driver

The EyeNI software package includes the software needed to get iris images from the JPC-1000 .Just insert the installation CD into CD-Rom Drive, then installation automatically installs all the drivers. Please, Close all applications, and disable any virus detection before the installation. You can use right after installation without any setting-up and it takes about 10 minutes to install. After the EyeNI is set up., you should reboot your system.

Please DO NOT connect USB connector until this installation is completed.

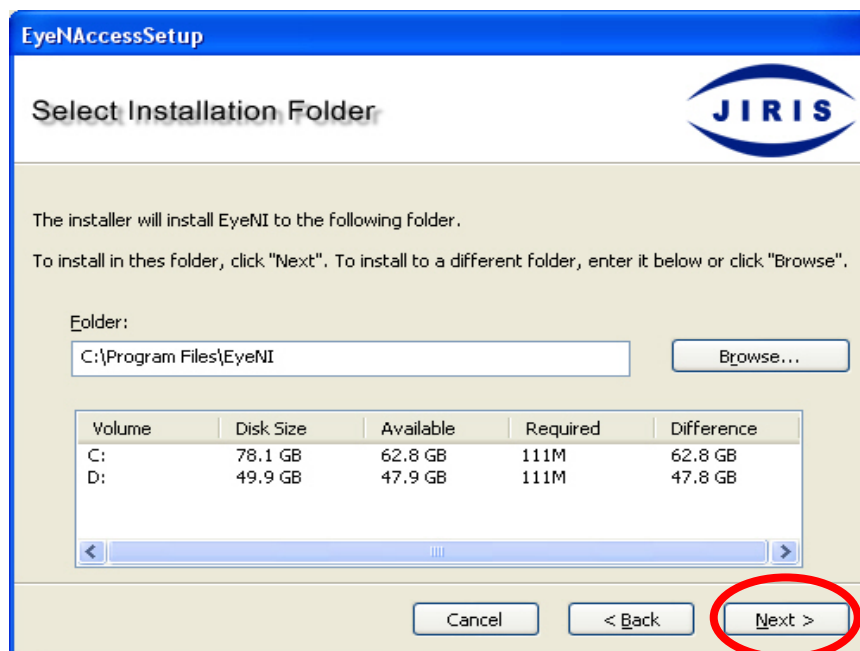
- 1) Insert the installation CD into CD-ROM Drive.
- 2) The installer will guide you through the steps required to install EyeNI.



<Picture 1 >

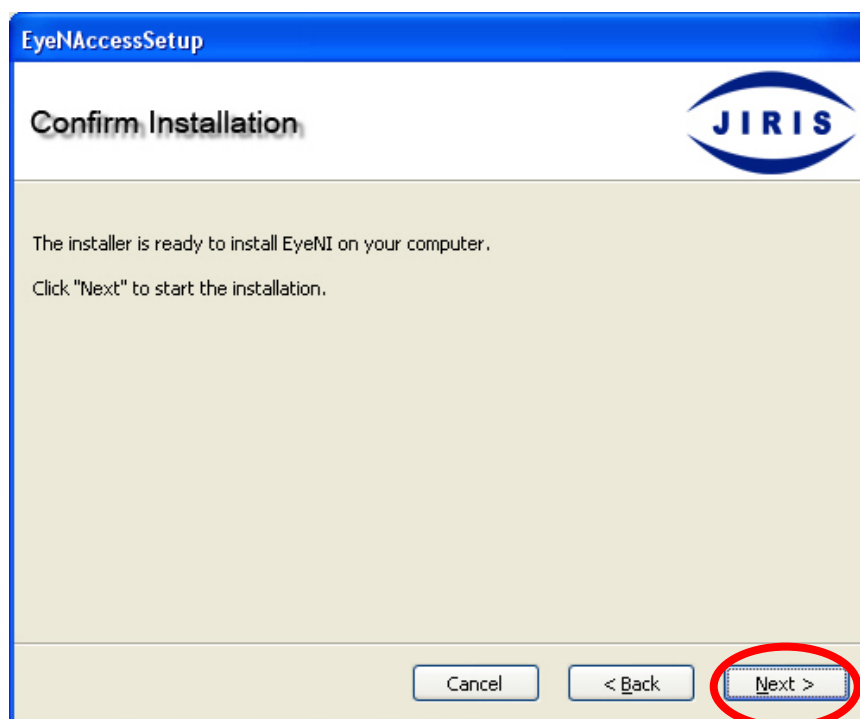
Jiris Private Camera-1000

- 3) If the EyeNAccess Setup wizard appears, choose the installation directory and go to Next (Recommend to stay with the default directory).



<Picture 2 >

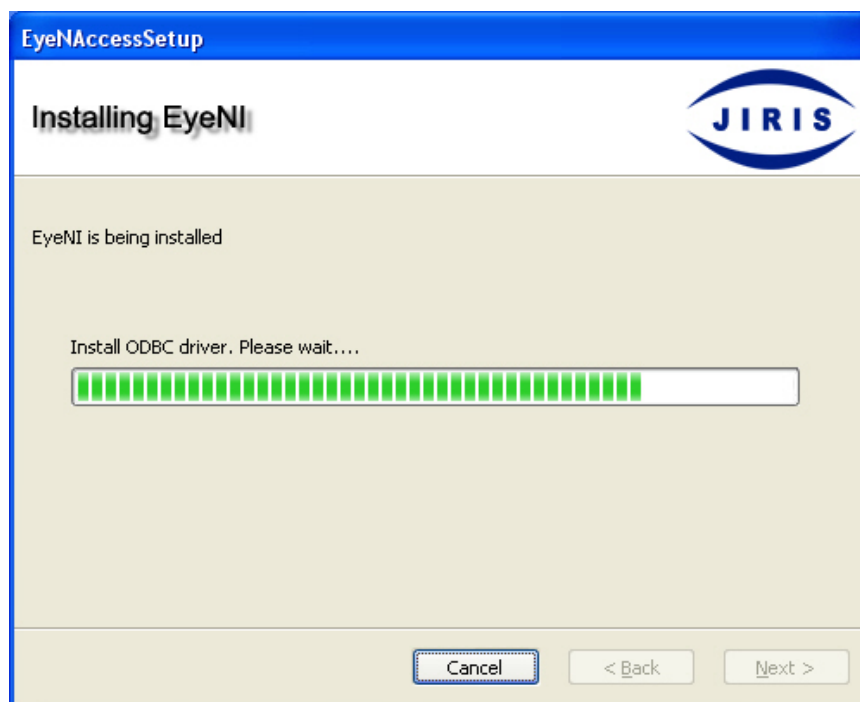
- 4) Now the installer has been ready to install all the Drivers, So Click "Next" button.



<Picture 3 >

Jiris Private Camera-1000

5) Installation start.



<Picture 4 >

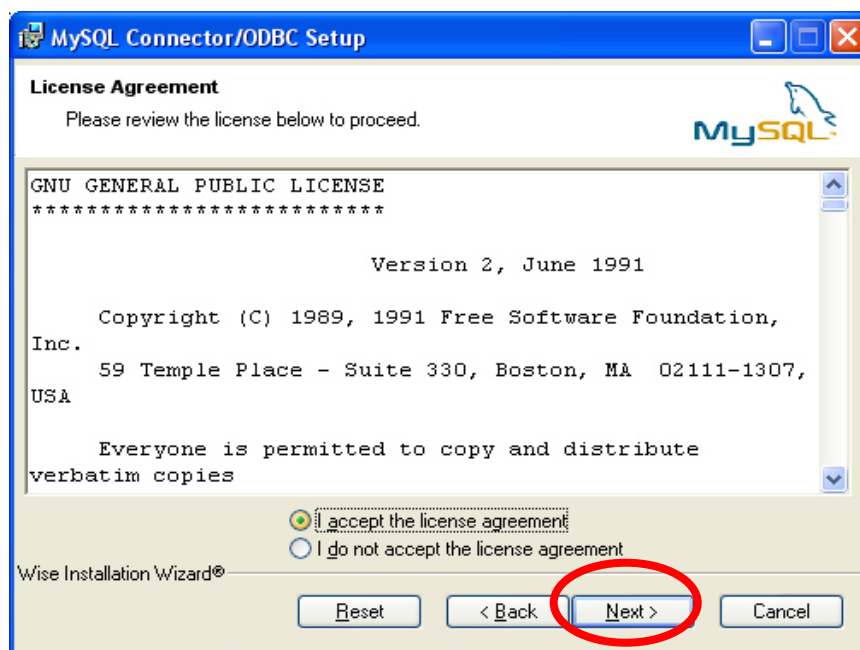
6) If The "MYSQL" DBMS Setup wizard appears, you can start the installation by clicking "Next" button.



<Picture 5 >

Jiris Private Camera-1000

- 7) Check “accept” to accept the license agreement and Click “Next” button.



<Picture 6 >

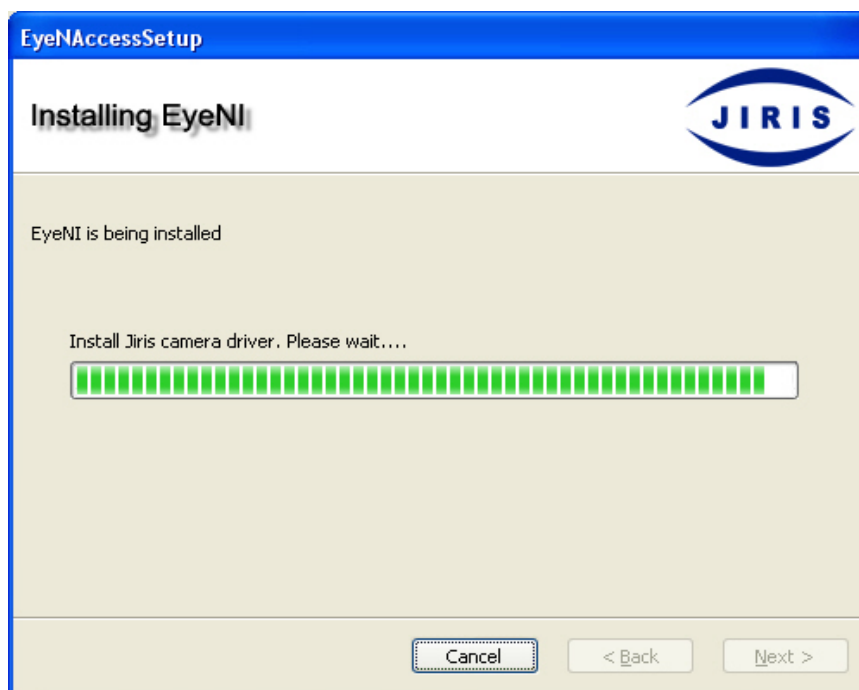
- 8) MySQL Connector/ODBC has been successfully installed .



<Picture 7 >

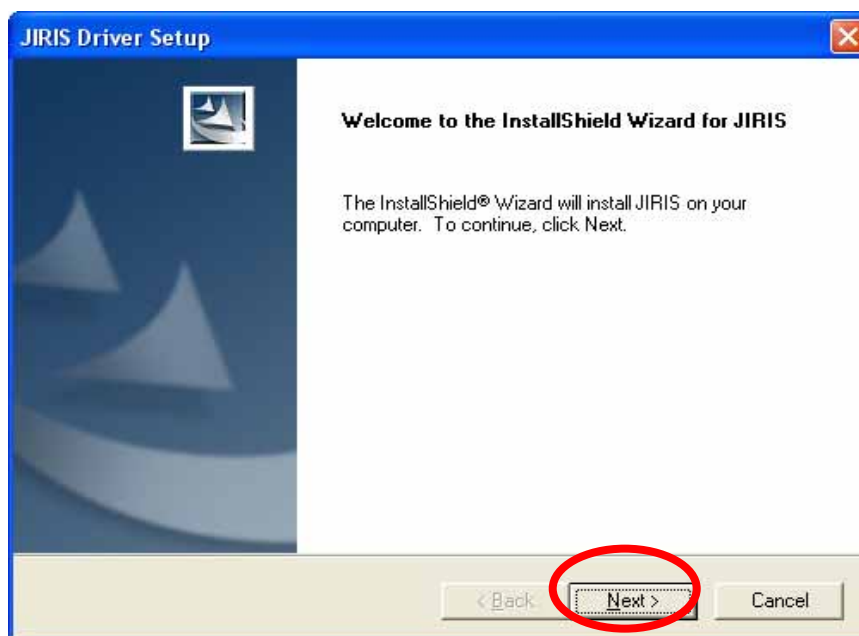
Jiris Private Camera-1000

9) The other installation files are being installed.



<Picture 8 >

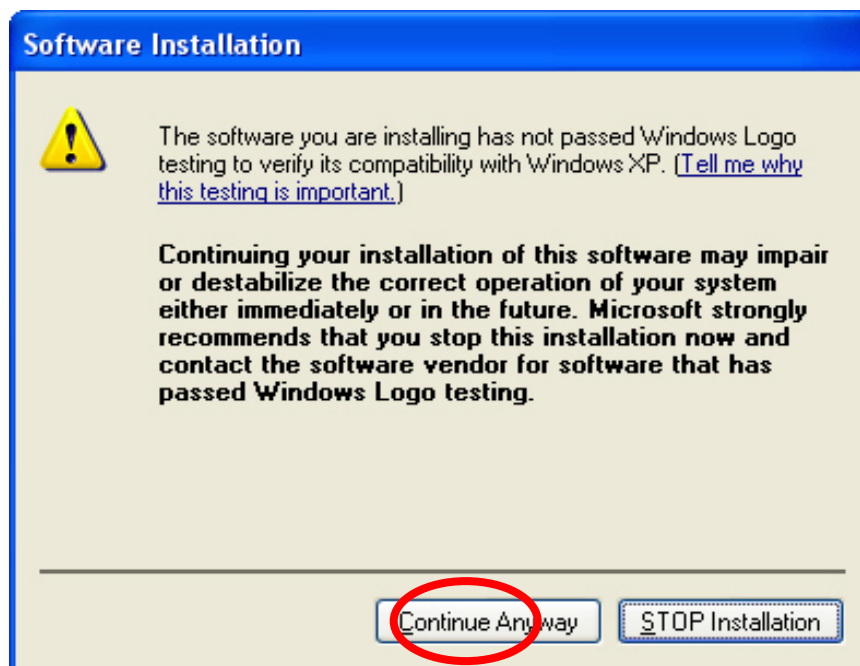
10) JIRIS camera driver installation.



<Picture 9 >

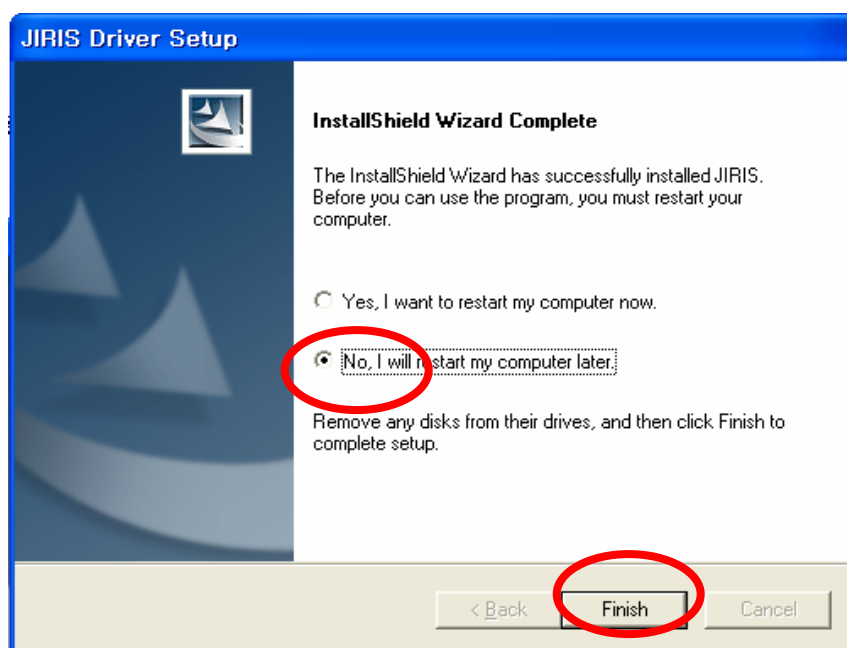
Jiris Private Camera-1000

- 11) You may see the warning message about “unsafe” software. Just click “Continue” button to proceed the installation.



<Picture 10 >

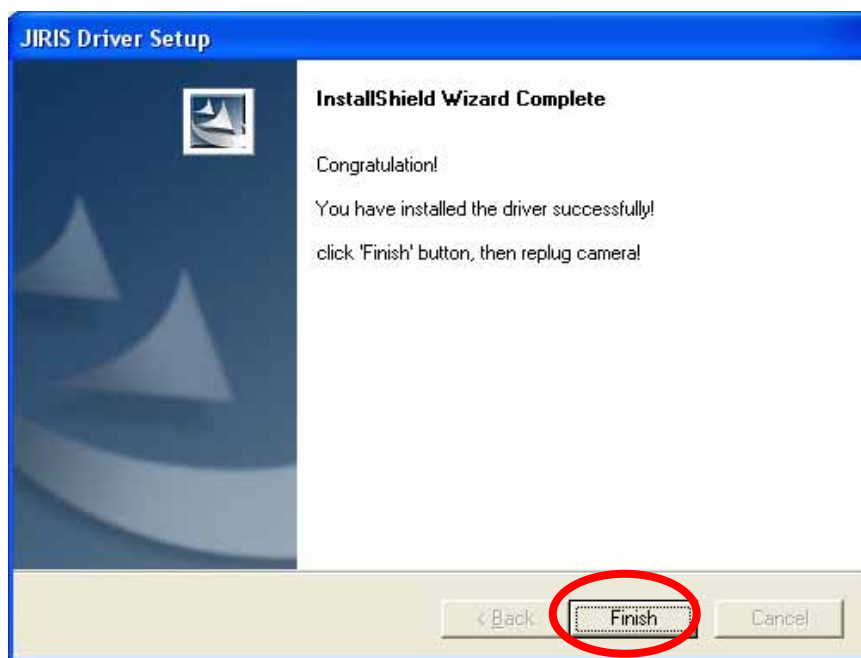
- 12) JIRIS Camera driver installation is completed.
If it will be asked for Reboot, Do not Reboot computer.



<Picture 11 >

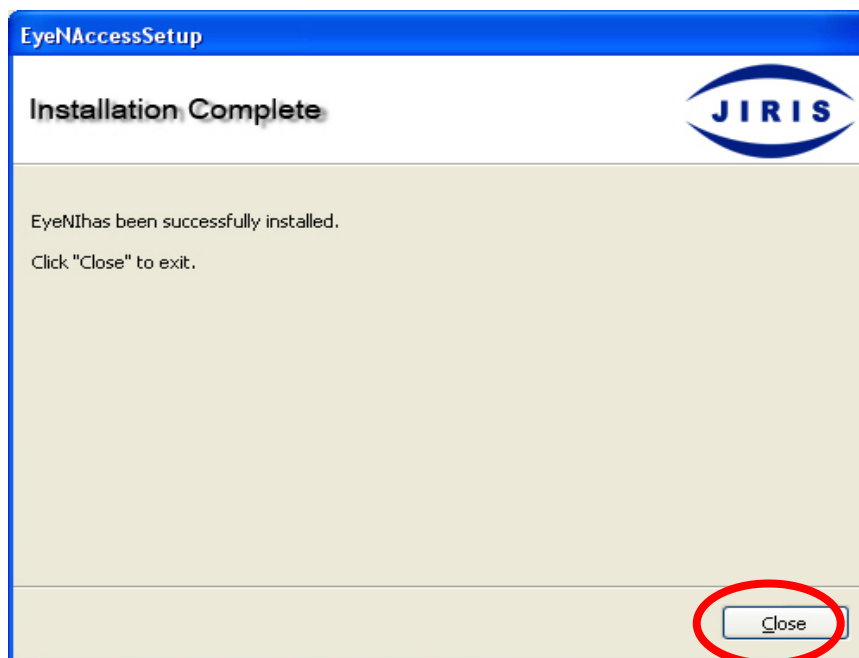
Jiris Private Camera-1000

- 13) Driver's installation COMPLETED. Click "Finish" button.



<Picture 12 >

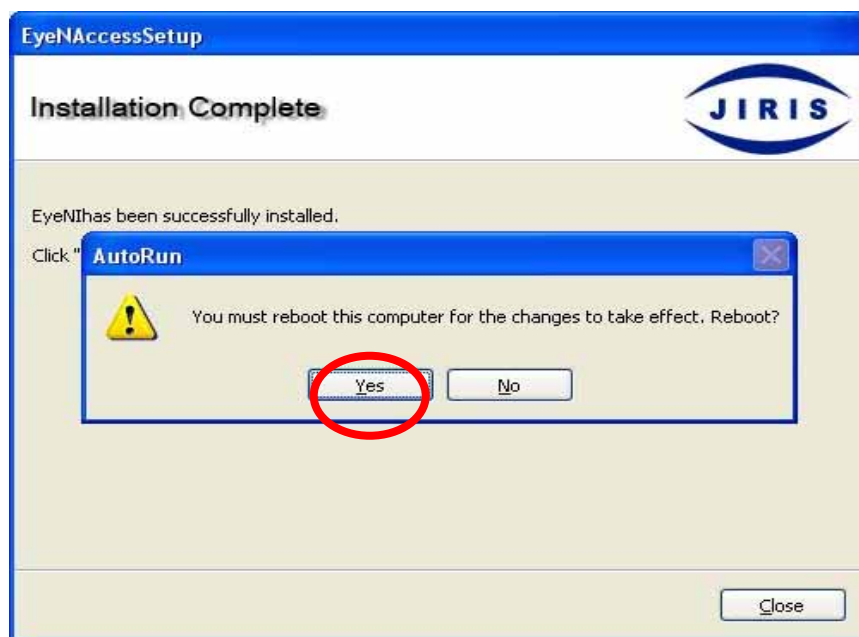
- 14) Software and Driver's installation COMPLETED. Click "Close" button.



<Picture 13 >

Jiris Private Camera-1000

15) It will be asked for reboot system. Click “Yes” button.



<Picture 14 >

5.2. Icon validation for EyeNI

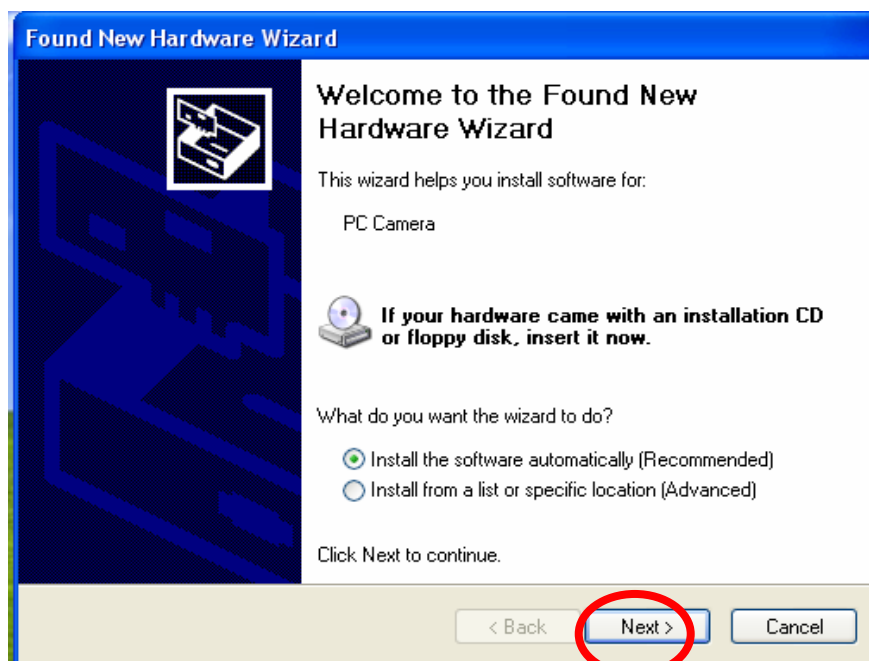
- 1) If the installation of EyeNI has been completed, You can find the shortcut icon named the EyeNI on the background of window.



<Picture 15 >

After the software installation is completed, first connect JPC1000 to USB port.
This will take few seconds to install drivers for JPC1000

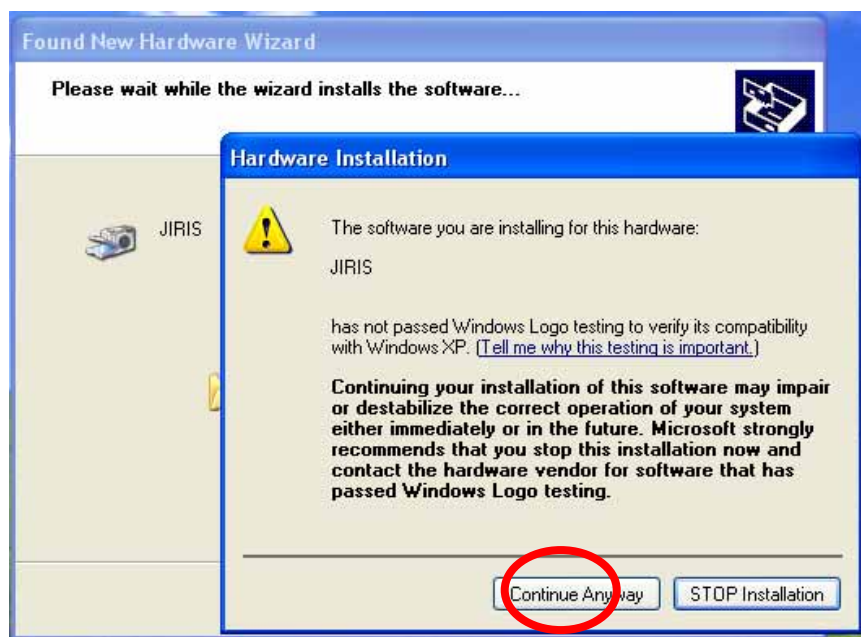
- 2) Connect JPC-1000 to USB port.
You can see the below screen, click “Next” button.



<Picture 16 >

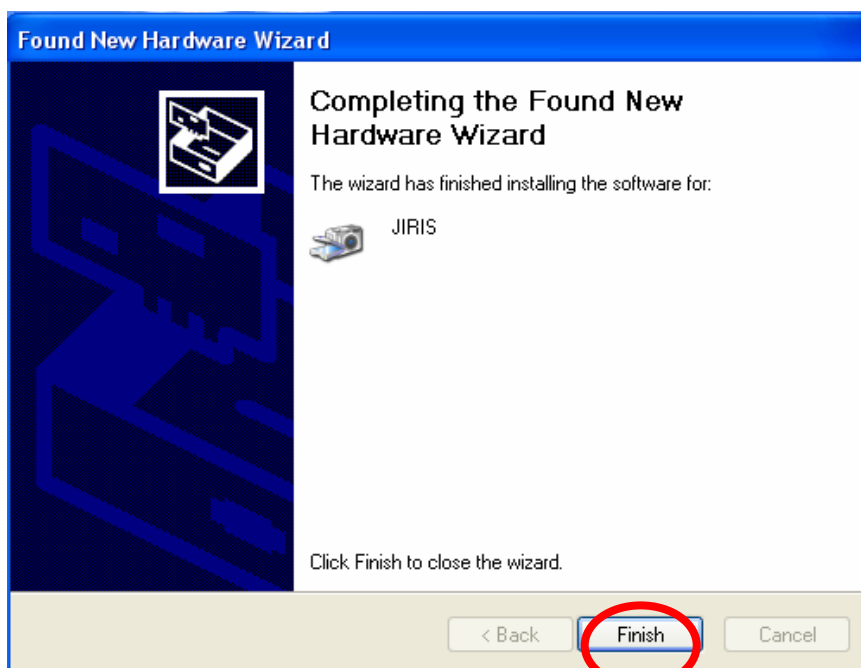
Jiris Private Camera-1000

- 3) You will be asked to test for the driver then ignore and click “Continue Anyway”



<Picture 17 >

- 4) The wizard has finished installing software

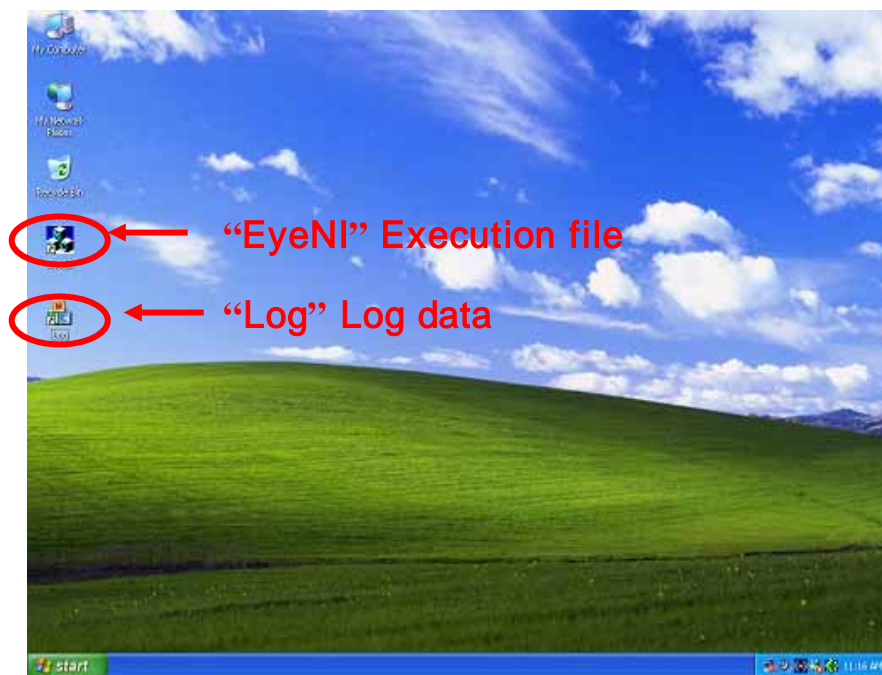


<Picture 18 >

NOW THE SYSTEM IS READY TO USE.

5.3. Operating EyeNI program

- 1) You can find the shortcut icon named the EyeNI on the background of window.



<Picture 19 >

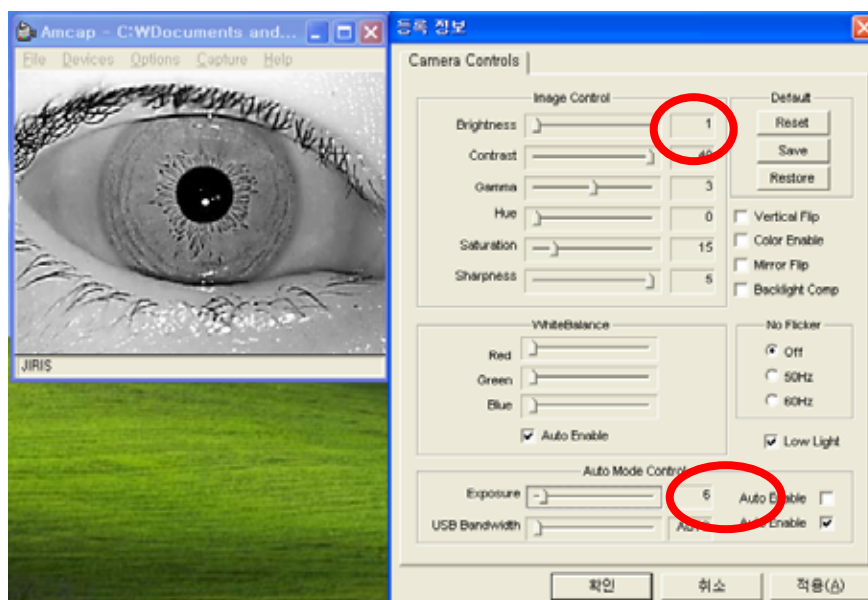
- 2) Before start program, adjust Camera Setting to outer circumstance.
Go to “Start>>Programs>>JIRIS>>AM CAP



< Picture 20 >

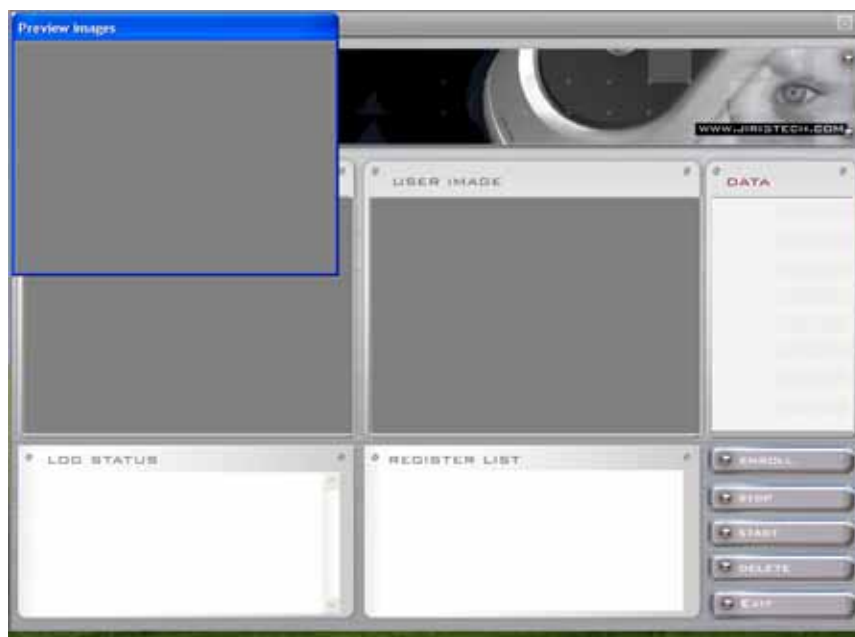
Jiris Private Camera-1000

- 3) Execute "AMCAP". In the menu, Go to "Options>> Video Capture Filter"
Select "Video Capture Filter". Adjust the value of 2 to 5 to see as left below iris image in "Exposure" of Auto mode Control. Adjust defaulted value 40 to "1" in "Brightness" of Image Control.



< Picture 21 >

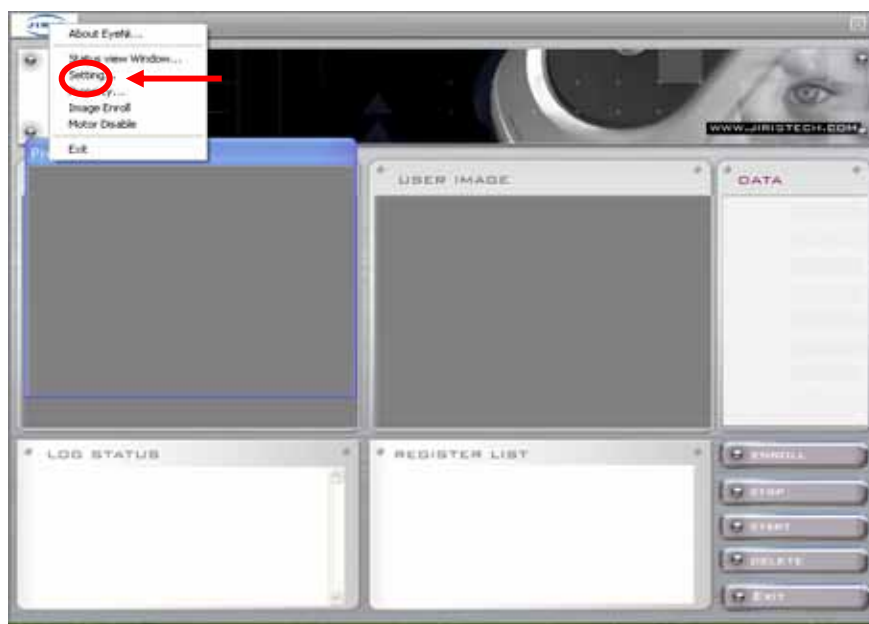
- 4) After above procedure are completed ,
Double Click "EyeNI" then, it will be as showing below.
Move "Preview image" of window to side. It will be showing Jiris Logo on the up right side.
Click right mouse button on "JIRIS" Logo



<Picture 22 >

Jiris Private Camera-1000

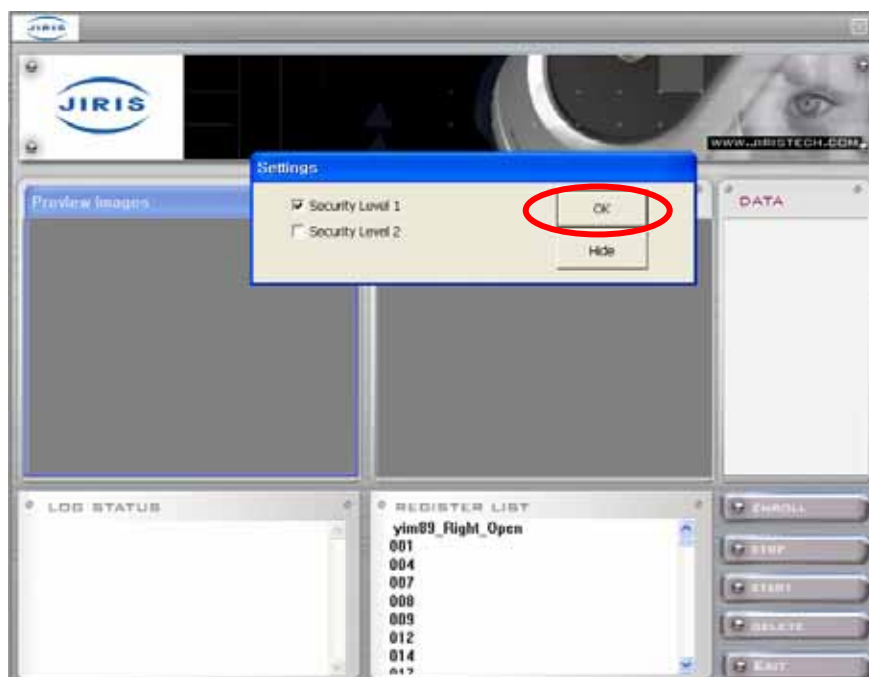
- 5) Select “ Settings.”



<Picture 23 >

- 6) It will be showing Security level. Security level can be set up, level1(Normal) level 2(High), by exposed circumstance.

After setting is completed, you must click “OK” button. If you would like to remove “Preview image “ of window from the screen, press **Alt** and **F4** at the same time. When you click “Preview image of window”, you can check real-time enrolling iris image

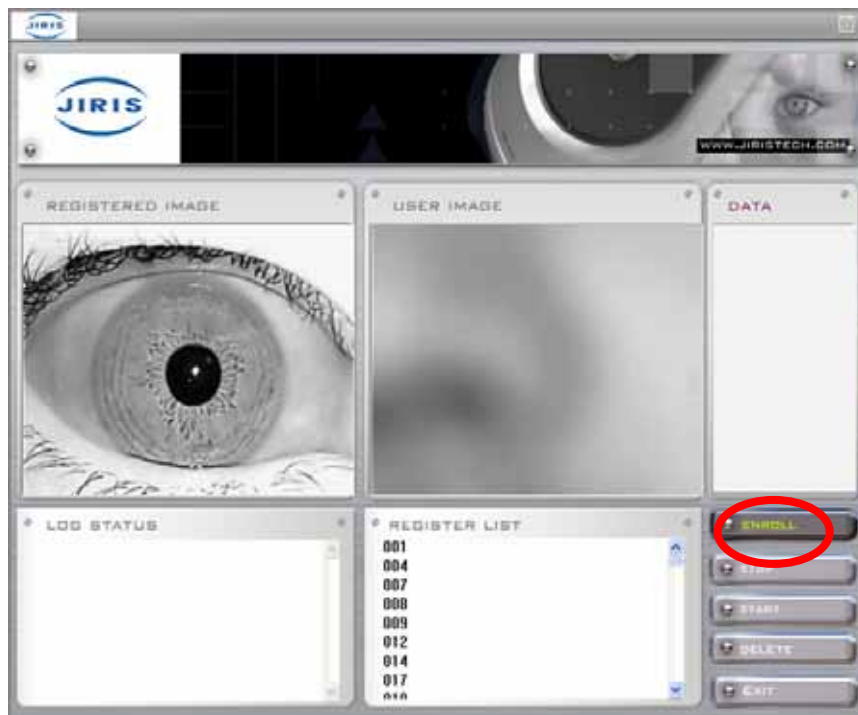


<Picture 24 >

Jiris Private Camera-1000

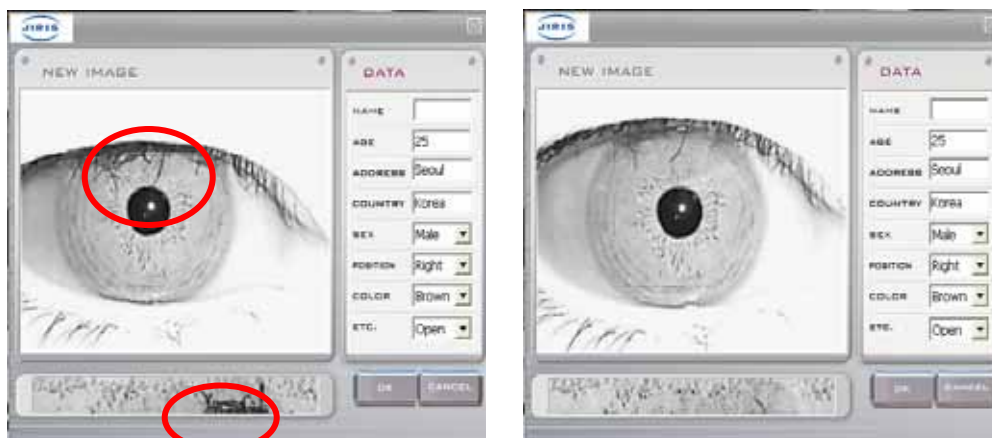
7) Enrollment process.

- 1 Firstly cover right eye by right hand and look at the mirror of camera by left eye.
- 2 Cover left eye by left hand and look at the mirror of camera by right eye.
- 3 Decide comfortable eye of two eyes to see the mirror.
- 4 Click "Enroll" button to start capturing.
- 5 Open your eye as wide as you can.
- 6 Align your eye to the mirror. When you align, start to align a span of adult' s hand (approx 25cm) away from camera .
- 7 Move toward slowly.
- 8 Approach to the mirror slowly until sound is ended from sound is started . Working distance is 15Cm to 18cm from camera.



<Picture 25 >

8) As following <picture 26>, Good image and Bad image are showing as your reference



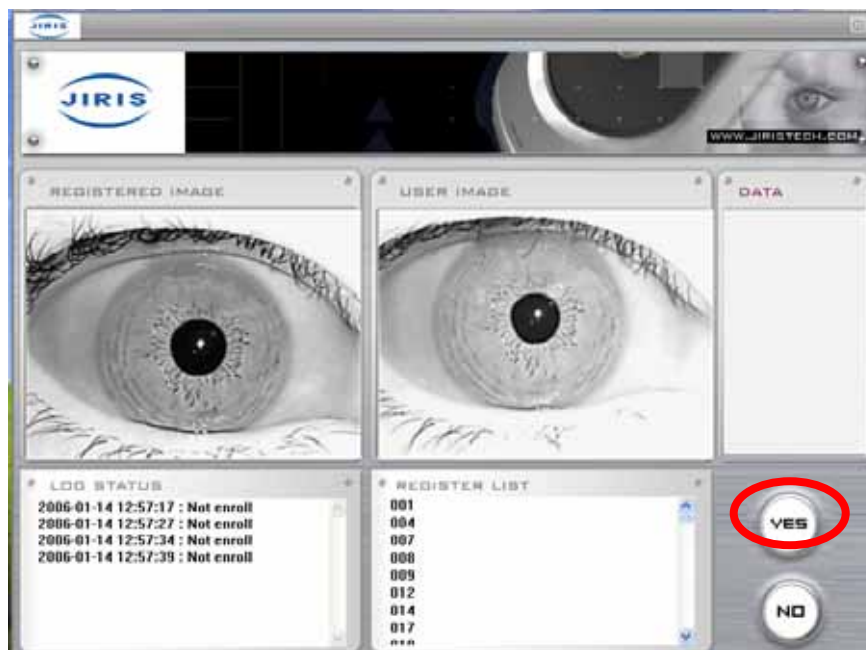
Bad image

Good image

<Picture 26 >

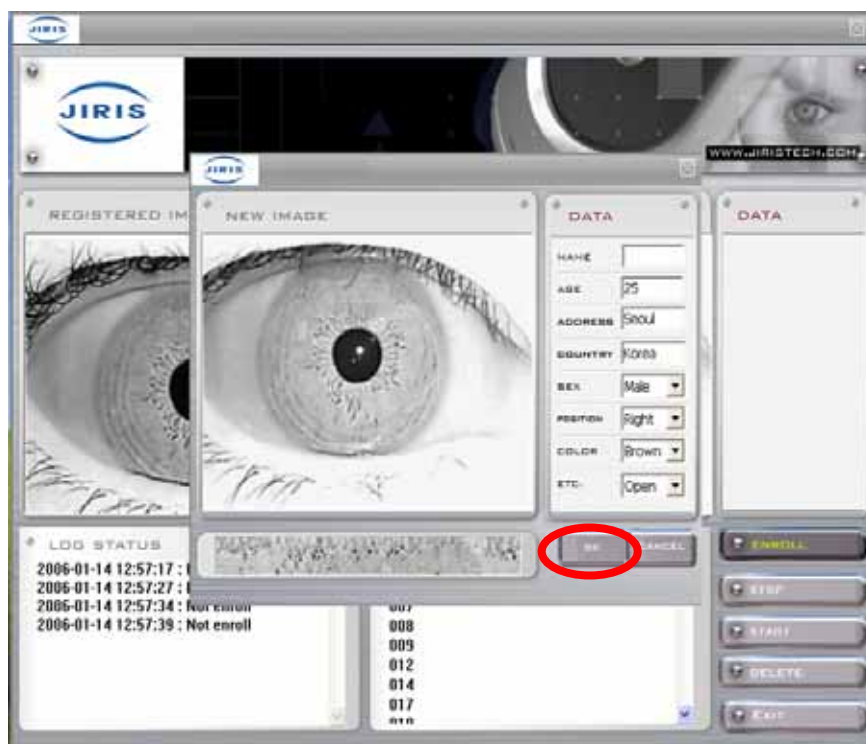
Jiris Private Camera-1000

- 9) If you have good image, the Click “YES” button.
You should enroll Twice (same process) and captured image must be showed full iris as showing



<Picture 27 >

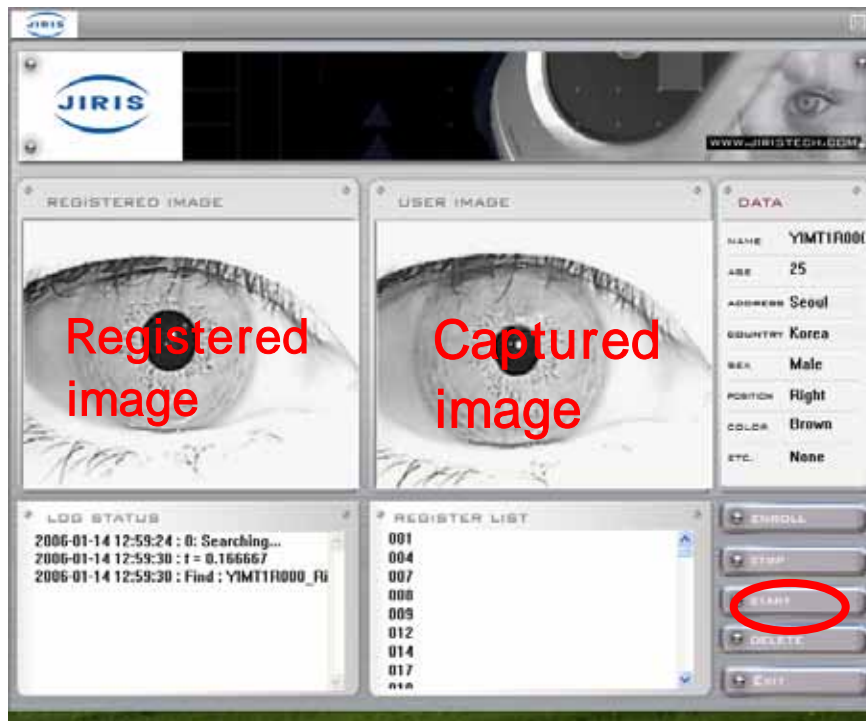
- 10) It will be showing as below. Put your profile, then, click “OK” button.



<Picture 28 >

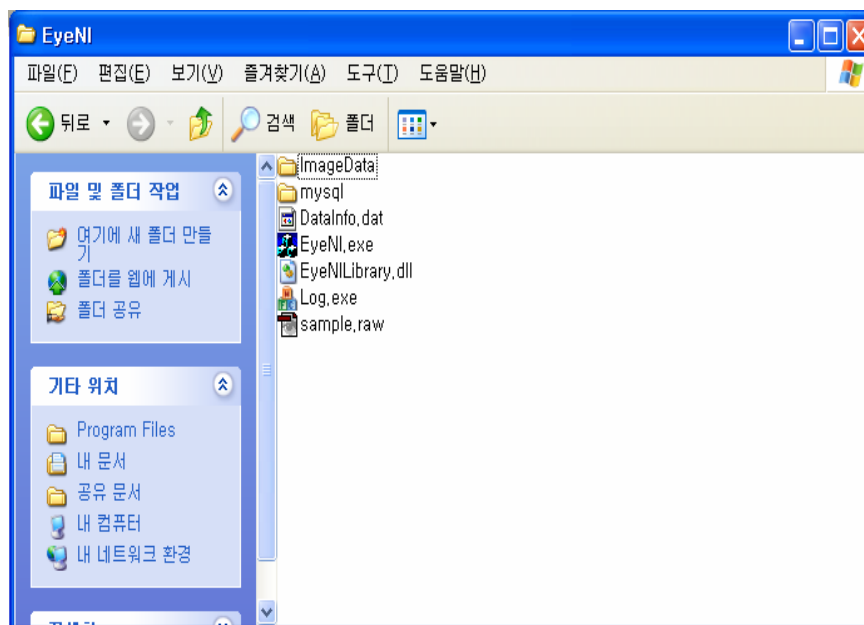
Jiris Private Camera-1000

- 11) Click “Start” button to identify. Verification is same process as enrollment. When you are verified, it will be showed registered image on the left and Real-time captured image on the right.



<Picture 29 >

- 12) Enrollment and Verification of Log (by date) will be stored along with images and data Files in the “C:/ Program files /EyeNI “folder

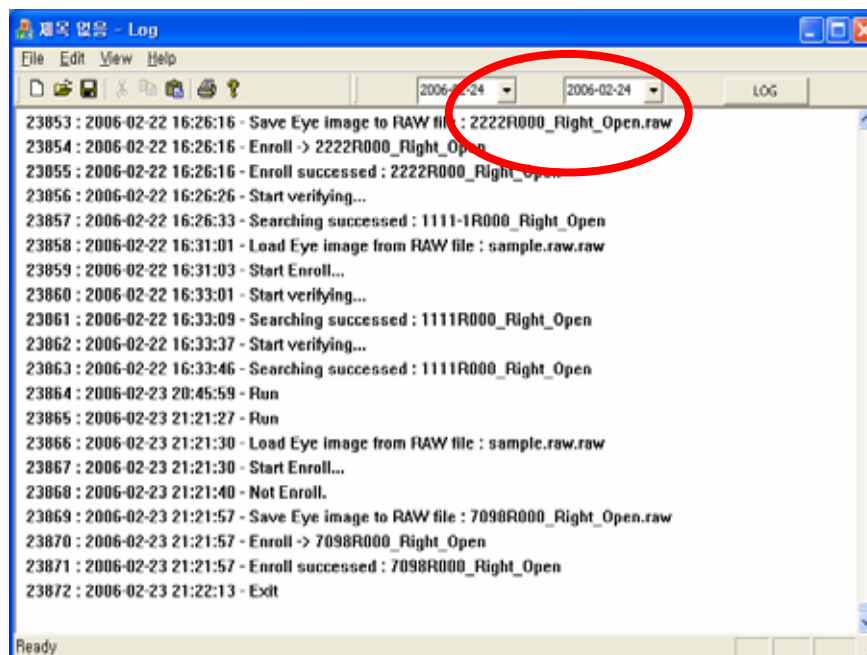


<Picture 30 >

Jiris Private Camera-1000

13) After finishing enrollment and verification,

To check Log, execute shortcut “ Log” in the screen or click Log file in the EyeNI folder that is in the Programs folder of c:/ . Then , the following picture will be shown Log data.



1. FCC ID :TNIJPC1000
2. MODEL: JPC1000
3. MANUFACTURER: JIRIS Co.,Ltd.

If you face any difficulties, please visit our web site <http://www.jiristech.com>
or email at techSupport@jiristech.com