

Net Access Manual

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1. Structure	-- 3
1.1 USB Image Board	-- 3
1.2 USB Cable	-- 3
1.3 Lens Set, Sensor Box	-- 5
2. Net Access Installation	-- 6
2.1 USB Driver Installation	-- 6
3. Instruction Manual	-- 9
4. FCC NOTICE	--10

1. Structure

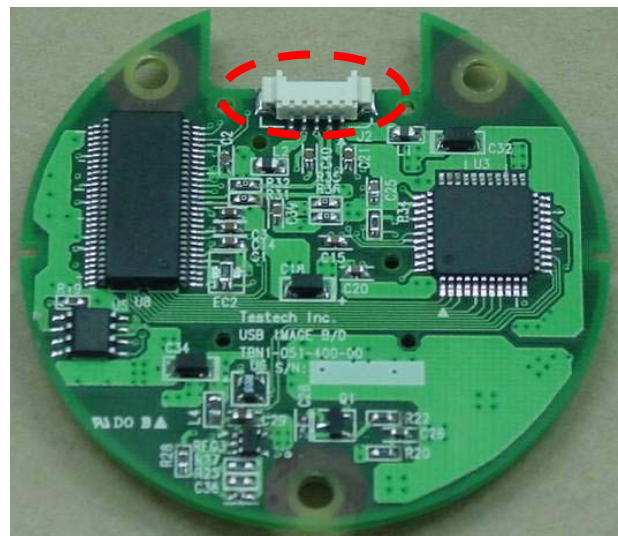
- H/W : USB Image Board
- Cable : USB Cable
- Structure : Lens set, Sensor Box, CASE

1.1 USB Image Board

The frontside is composed of COMS Image Sensor, EL Driver, USB Controller, CPLD, and power supply. The connector for USB communication is in the backside.



(Fig 1.1 USB Image Board front side)



(Fig 1.2 USB Image Board back side)

1.2 USB Cable

It is the USB cable to insert to PC USB Port. Connect it to the connect in fig 1.2



(Fig 1.3 USB Cable)



(Fig 1.4 USB Board Connector)

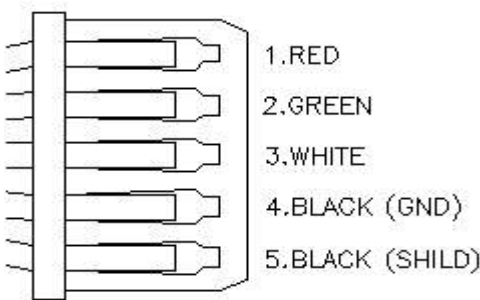


(Fig 1.5 USB Plug)

As shown fig 1.4, USB cable has 5 electric wires. Names and procedure is listed as blow.

Pin Number	Color	Pin Name
1	RED	+5V(power supply)
2	GREEN	D+
3	WHITE	D-
4	BLACK	GND
5	BLACK	SHILD

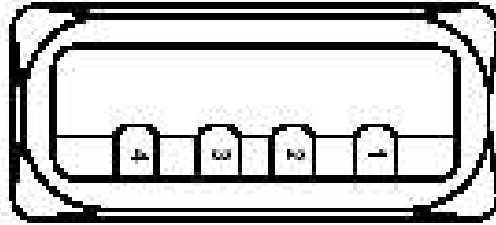
(Table 1.1 USB Board Connector Pin Number)



Board Connector

Pin Number	Color	Pin Name
1	RED	+5V(Power Supply)
2	WHITE	D-
3	GREEN	D+
4	BLACK	GND
SHILD	-	SHILD

(Table 1.2 USB Plug Pin Number)



USB Plug

1.3 Lens set, Sensor Box



(Fig 1.6 Lens set front)

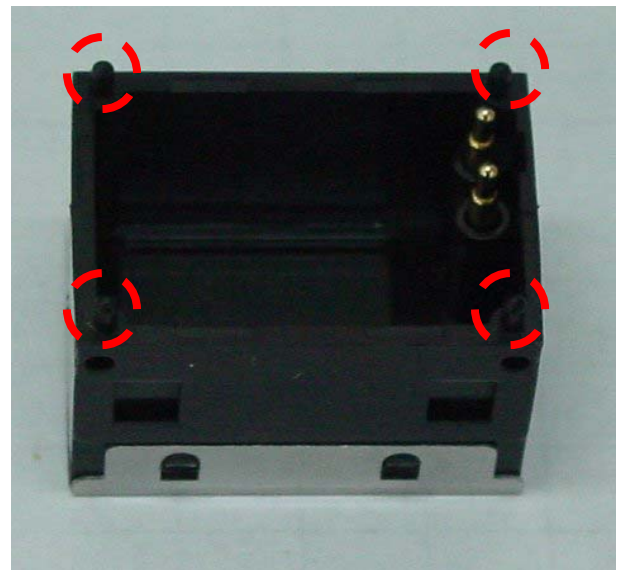


(Fig 1.7 Lens set back)

Lens set is composed of squared lens holder and circled lens. Because lens and lens holder is connected by screw, lens can be span to adjust the focus. As shown fig 1.7, two cylinders of squared lens holder are used to fix the USB Image Board.



(Fig 1.8 Sensor Box front)



(Fig 1.9 Sensor Box back)

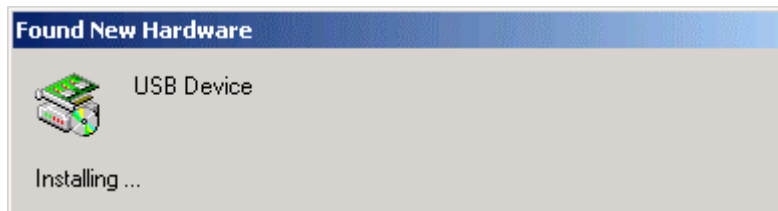
Sensor Box holds the “Contact light emitting sensor” as shown Fig 1.8. Four cylinders of Fig 1.9 are used to fix to unite USB Image Board. Two Pogo pins are used to connect “Contact light emitting sensor” and EL Drive.

2. Net Access Installation

Net Access can be operated only with Window98/ME/2000/XP based computer.

2.1 USB Driver Installation

Connect Net Access to PC USB port.



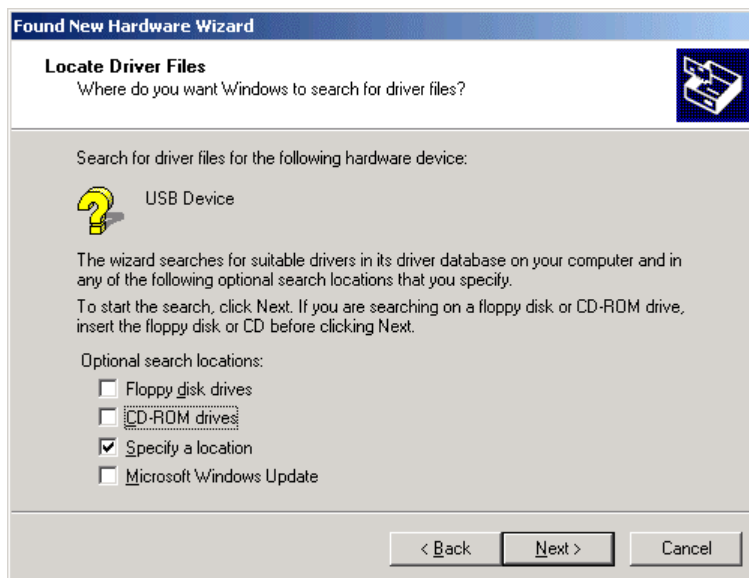
“Found New Hardware Wizard” will be appeared.



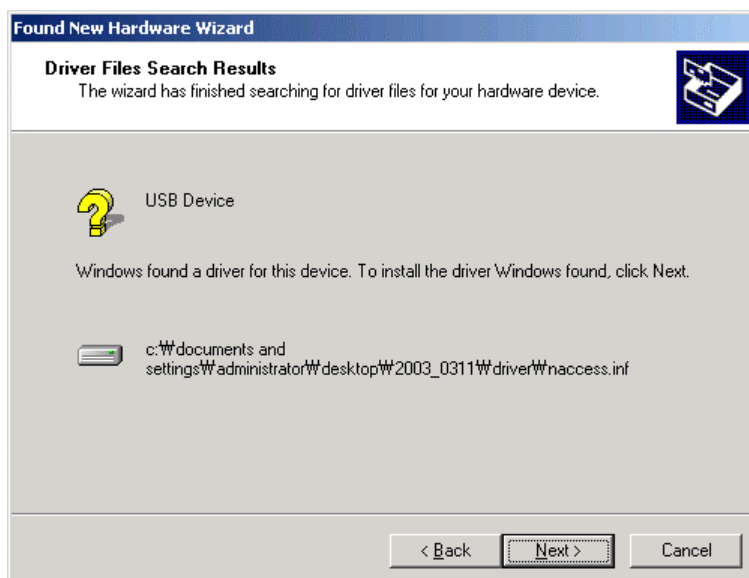
Click “Next”



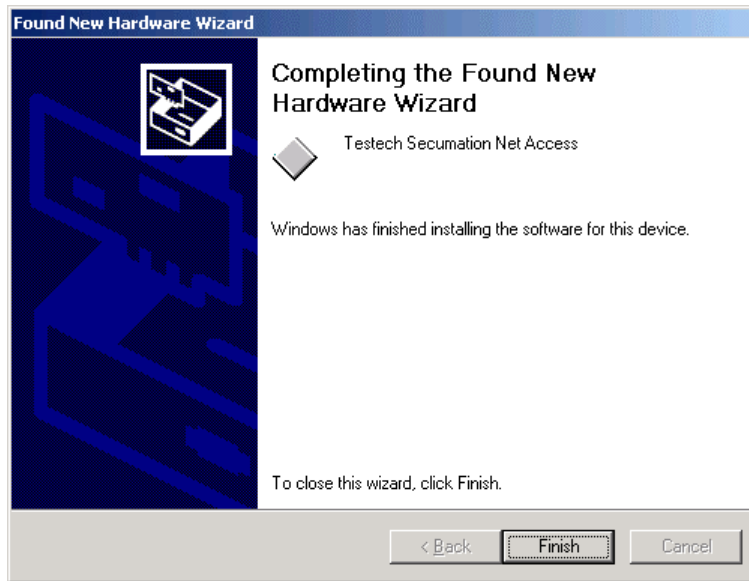
Select “Search for a suitable driver for my device [recommended], then click “Next”



Select “Specify a location”, then click “Next”



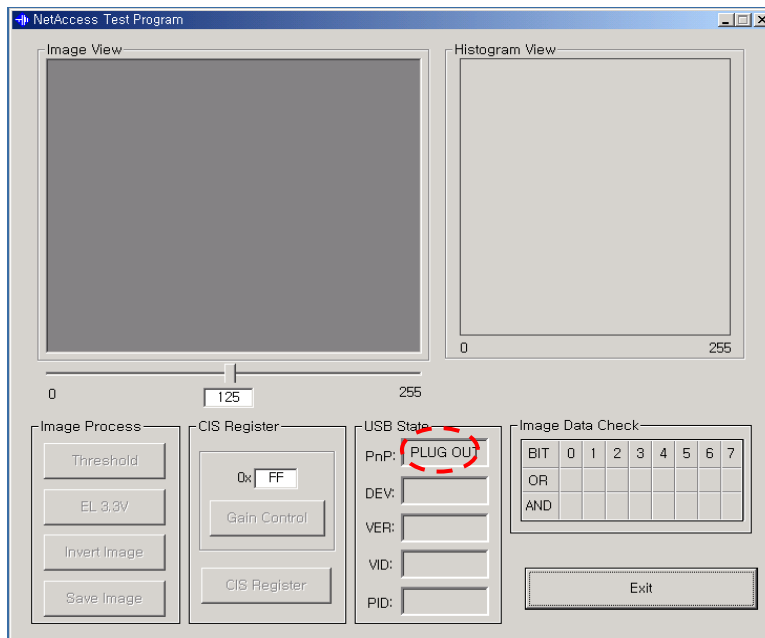
Click “Next”



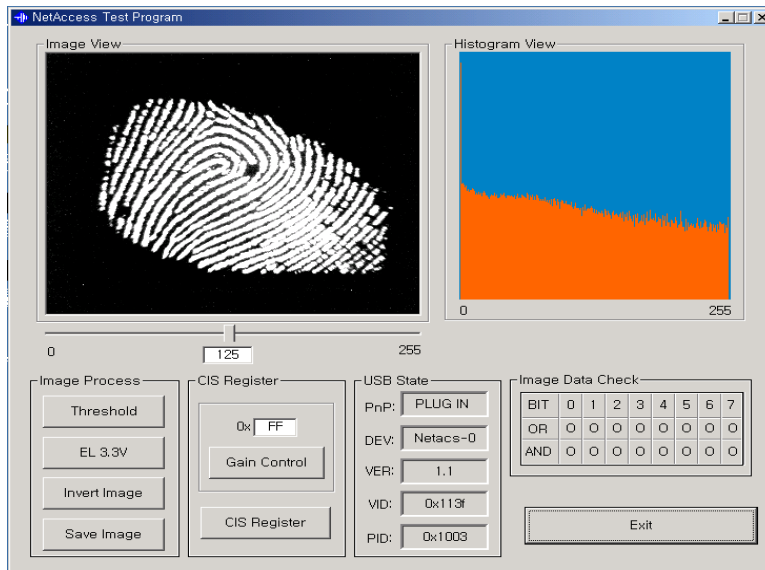
-> Click “Finish” to finish the installation.

3. Test Program

Execute the Net Test.exe after Net Access Driver is done.



Instruction Manual



- PnP** : Display the connecting condition of Net Access
- **PLUG IN**: Net Access is connected to USB Port
 - **PLUG OUT**: Net Access is not connected to USB port
- Invert Image** : Inver the displaying image
- Save Image** : Save the image as BMP file
- EXIT** : End the program
- EL 3.3V** : Please do not click (Testech Use Only)
- THRESHOLD** : Please do not click (Testech Use Only)
- GAIN CONTROL /CIS REGISTER**: Please do not click (Testech Use Only)

When connect Net Access to PC USB Port, PnP: displays as “PLUG IN”

Place your finger on the sensor in order to view the image in Image View box

FCC NOTICE

Caution: Any changes or modifications in construction of this device which are not expressly approved by the responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with this 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 communication.

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 difference from that to which the receiver is connected.
 - Consult the dealer of an experienced radio/TV technician for help.
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