



The Intelligent Surveillance Solution

Hardware & Software Installation user's manual

Ver. 99.301.8520.001

TABLE OF CONTENTS

TABLE OF CONTENTS	1
1000 SERIES; 2000 SERIES; 3000 SERIES.....	2
Product Specification	2
Hardware Installation	3
System Requirement.....	12
G3-Card Driver Installation.....	13
R-card Driver Installation.....	15
Software Installation	17
4000 SERIES.....	21
Product Specification	21
Hardware Installation	22
System Requirement.....	23
Driver Installation	24
Software Installation	28
5000 SERIES.....	32
Product Specification	32
Hardware Installation	33
System Requirement.....	35
Driver Installation	36
Software Installation	41

Product Specification**1000 SERIES; 2000 SERIES; 3000 SERIES****Product Specification**

G3 Card

	3000 Series	2000 Series	1000 Series
Display Rate	120fps(NTSC); 100fps (PAL)	60fps(NTSC); 50fps (PAL)	30fps(NTSC); 25fps (PAL)
Recording Rate	120fps(NTSC); 100fps (PAL)	60fps(NTSC); 50fps (PAL)	30fps(NTSC); 25fps (PAL)
Maximum Card	2	4	4
Video Input	4; 8; 12; 16	4; 8	4; 8
Audio Input	4	2	1
Video Resolution	NTSC: 704x480 ; 640 x 480 ; 352x240 PAL: 704x576 ; 640 x 576 ;352x288		
Compression Format	Software Compression MPEG 4		

R Card

	3000 Series	2000 Series	1000 Series
Display Rate	120fps(NTSC); 100fps (PAL)	60fps(NTSC); 50fps (PAL)	30fps(NTSC); 25fps (PAL)
Recording Rate	120fps(NTSC); 100fps (PAL)	60fps(NTSC); 50fps (PAL)	30fps(NTSC); 25fps (PAL)
Maximum Card	2	4	4
Video Input	4; 8; 16	4; 8	4; 8
Audio Input	4	2	1
Video Resolution	NTSC: 320x240; 640x240; 640x480 PAL: 320x240; 640x240; 640x480		
Compression Format	Software Compression MPEG 4		

Hardware Installation

Hardware Installation

For G3-card and R-card, the hardware installation steps are all the same except the connection of Audio/Video Cable. The following figure shows the detail.

Step 1: Insert the card onto an empty PCI slot. Connect the **Audio/Video Cable** to the connector in the same color.

Step 2: Turn on your PC and start Windows.

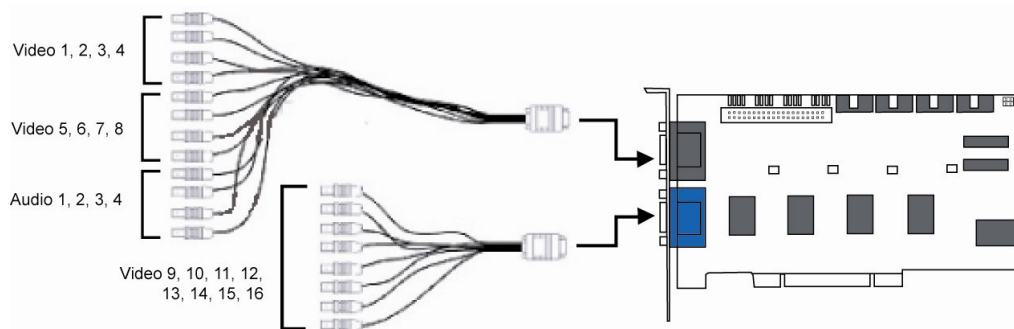
Step 3: Insert the included Software CD into CD-ROM.

Step 4: Select the driver from root directory \driver folder and its contents. You can see the detail from page 13.

Step 5: After driver being installed, restart your PC.

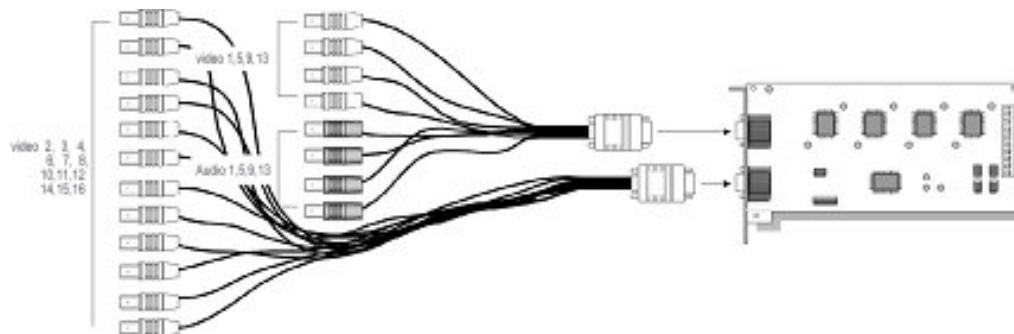
Connect the Audio/Video Cable

1. G3-card



Note: for G3-3000 series, audio channels are located at 1, 2, 3, 4.

2. R-card



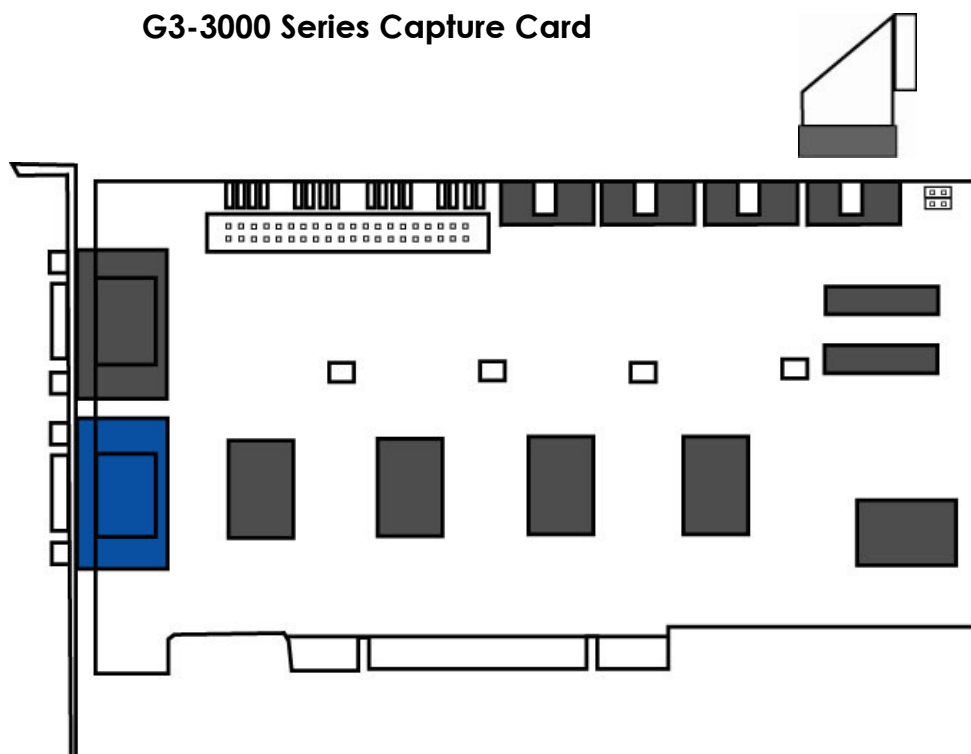
Note: for R- 3000 series, audio channels are located at 1,5,9,13.

Optional I/O Card referring to the figures on the following pages.

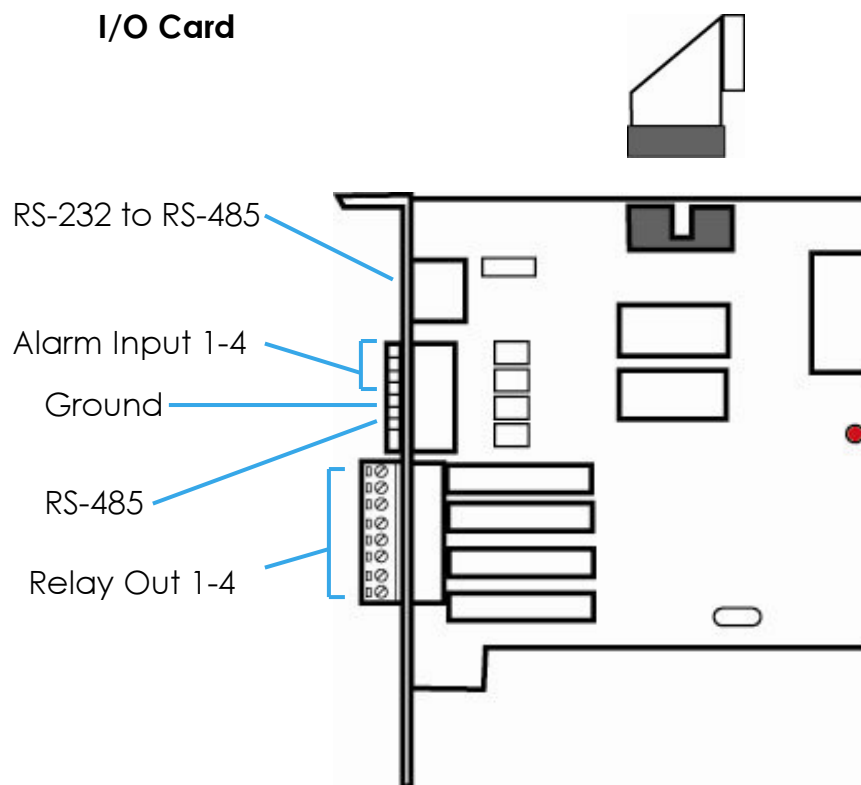
Insert the card onto your PC.

Connect the Capture Card and the I/O Card with an included ribbon cable. You may connect the ribbon cable to one of the I/O ports on the Capture Card.

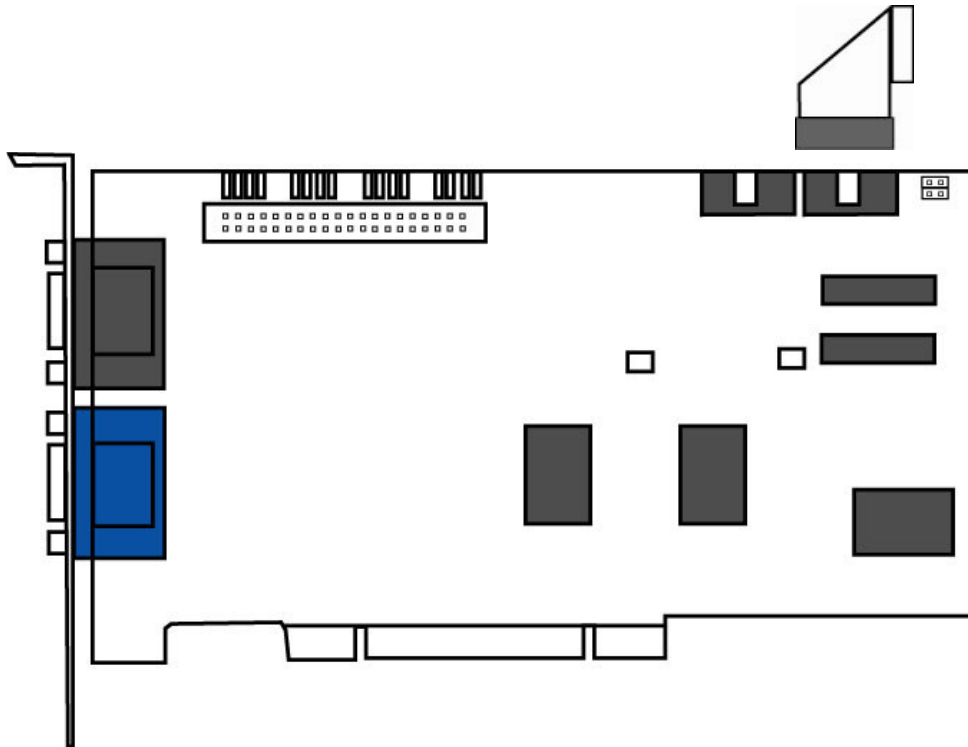
G3-3000 Series Capture Card



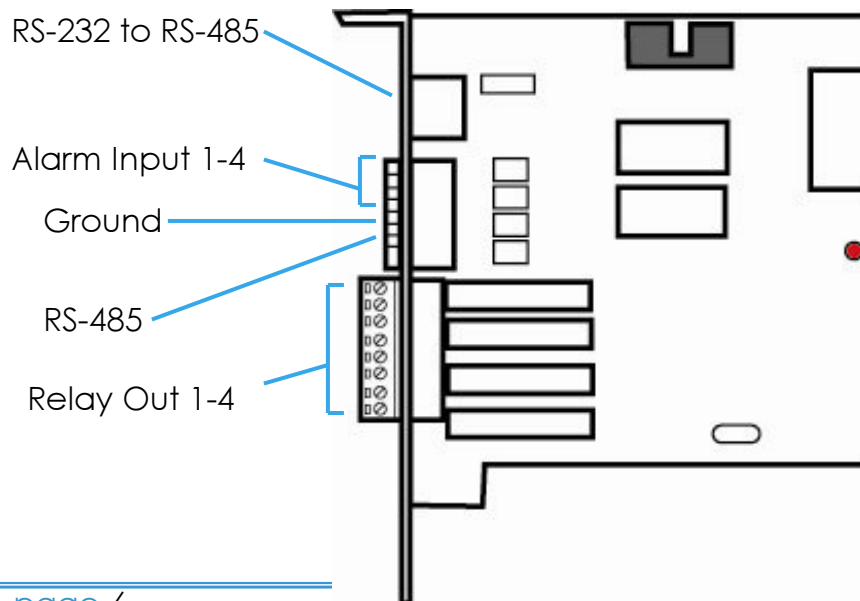
I/O Card



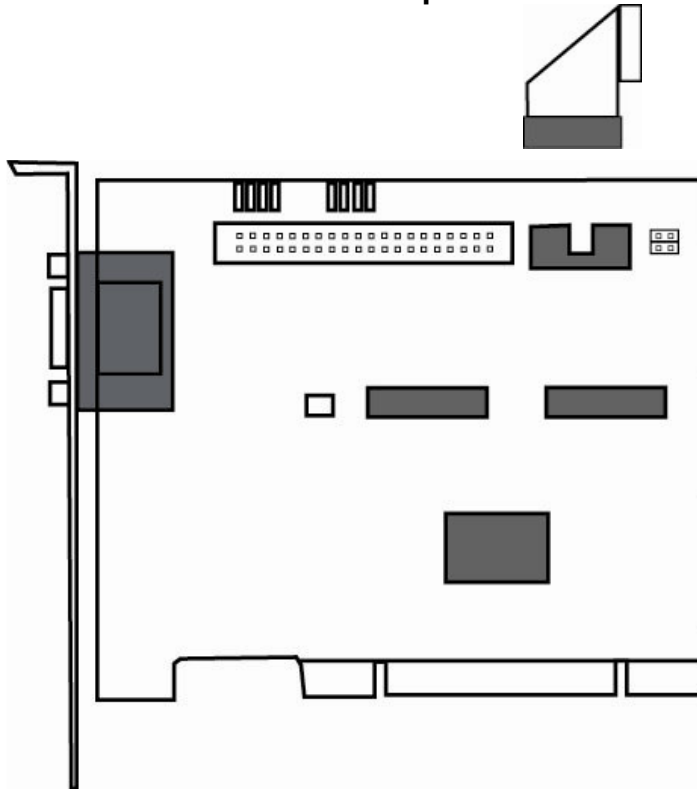
G3-2000 Series Capture Card



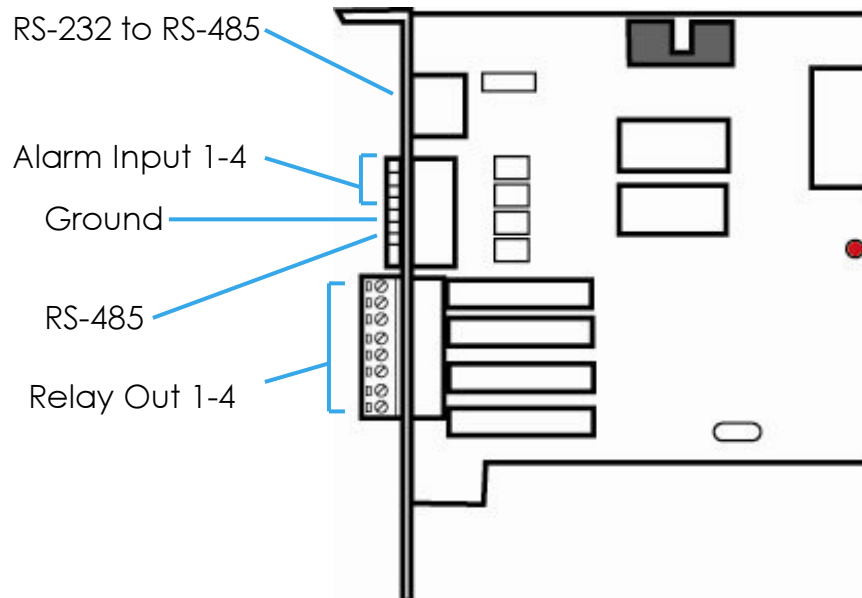
I/O Card



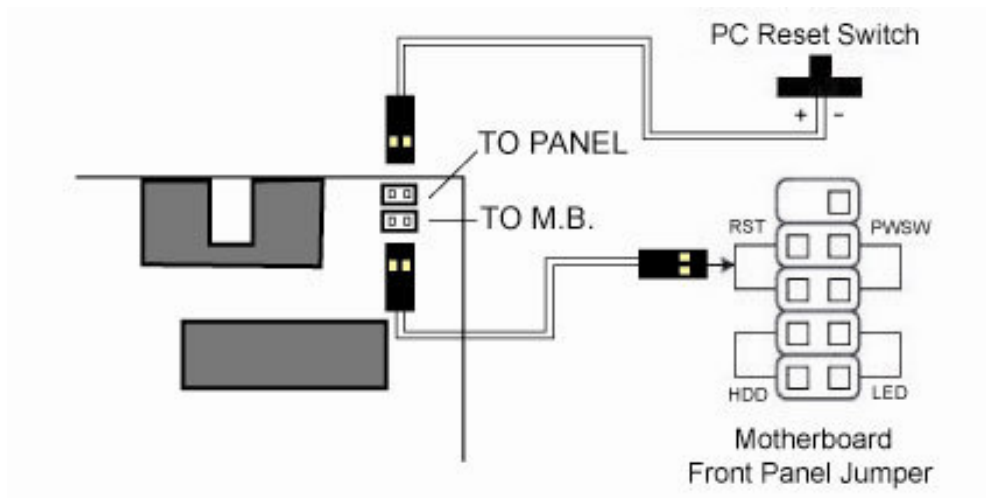
G3-1000 Series Capture Card



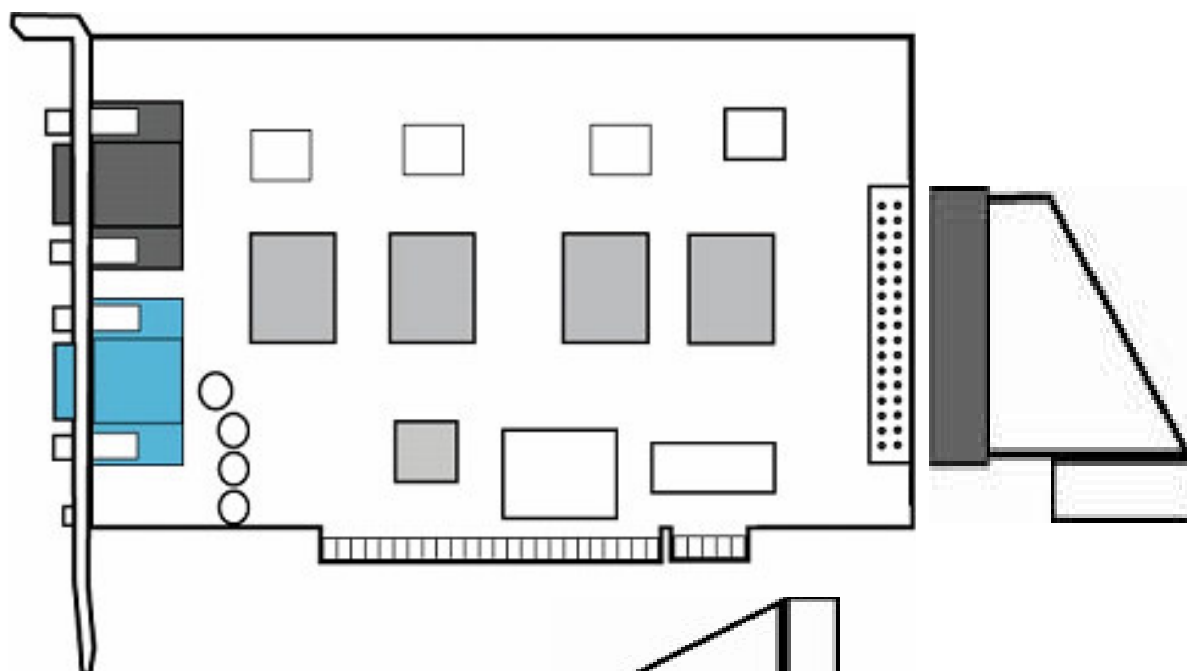
I/O Card



G3-card Watchdog Installation



R-3000 Series Capture Card

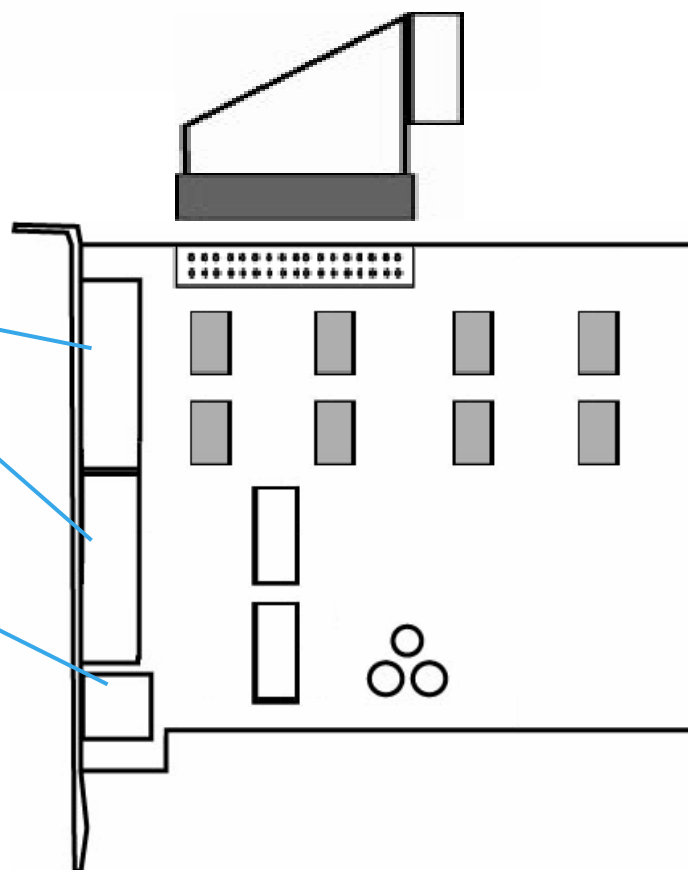


I/O Card

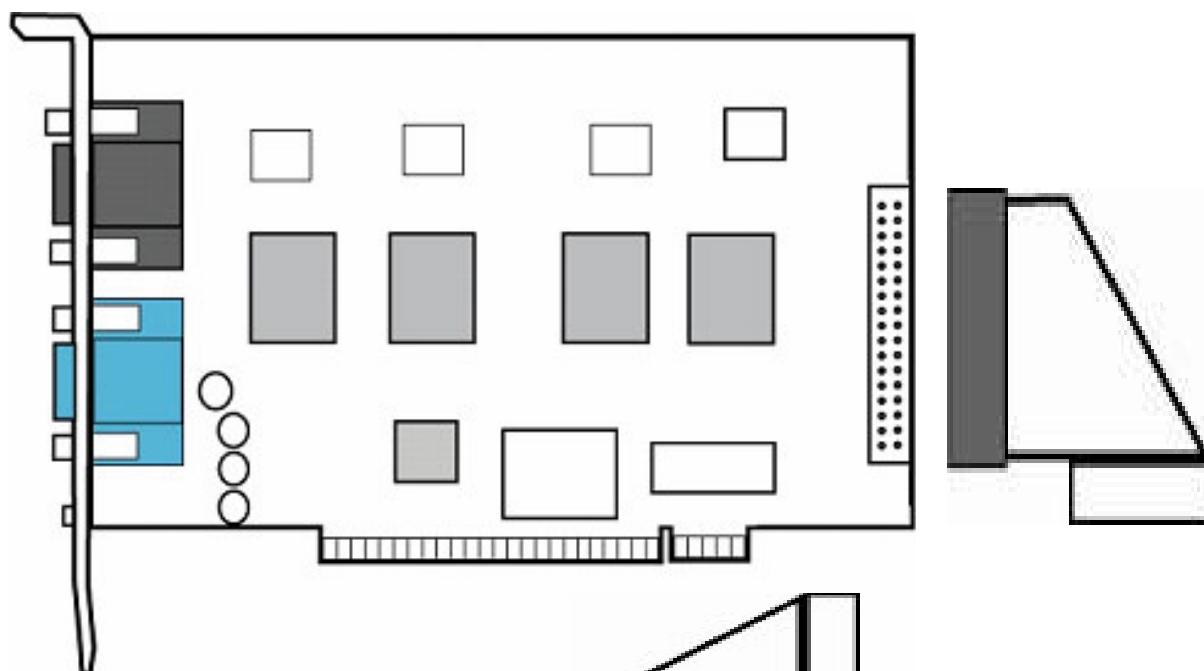
Relay Out 1-8

Alarm Input 1-8

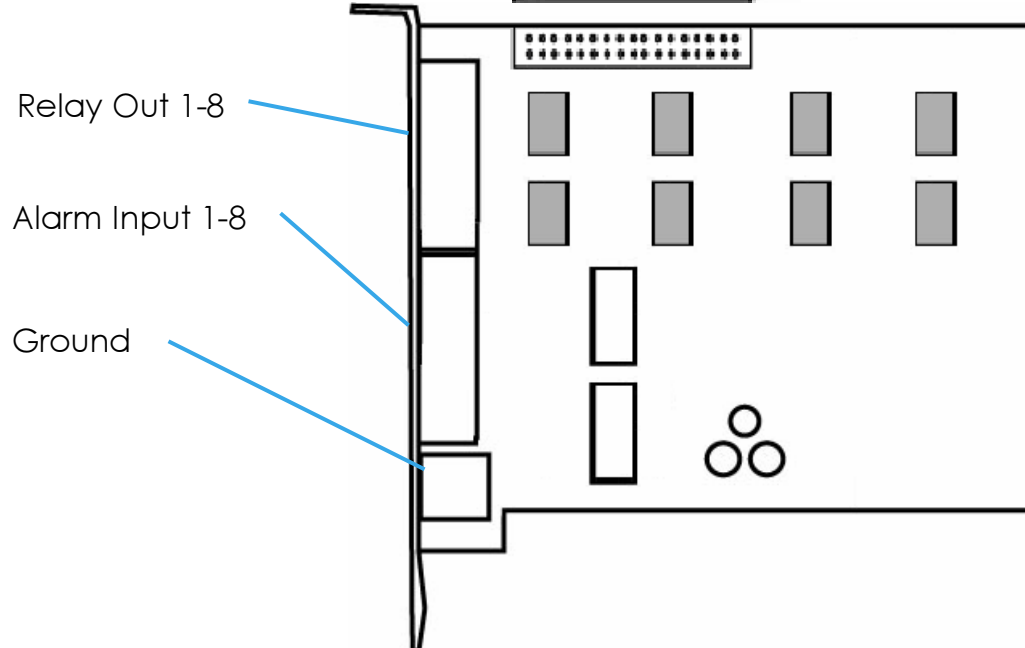
Ground



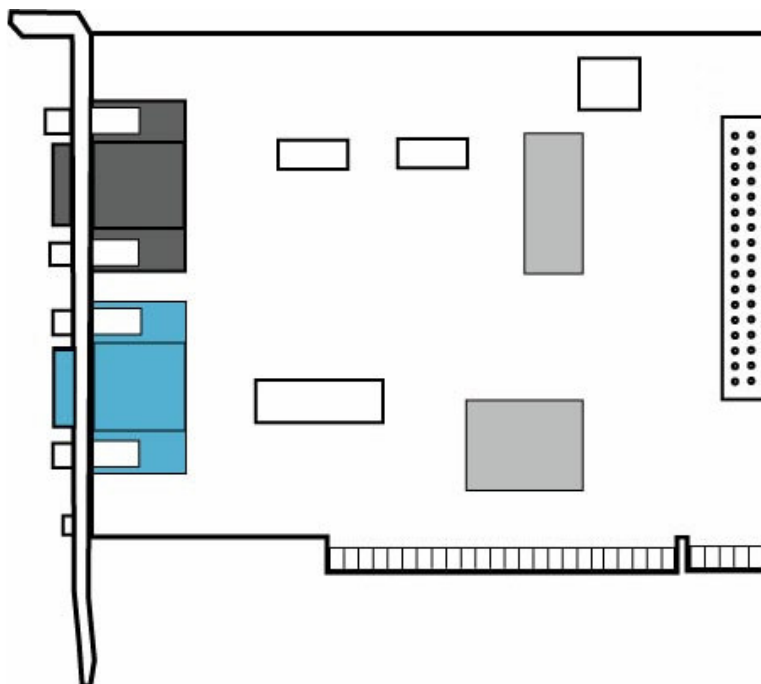
R-2000 Series Capture Card



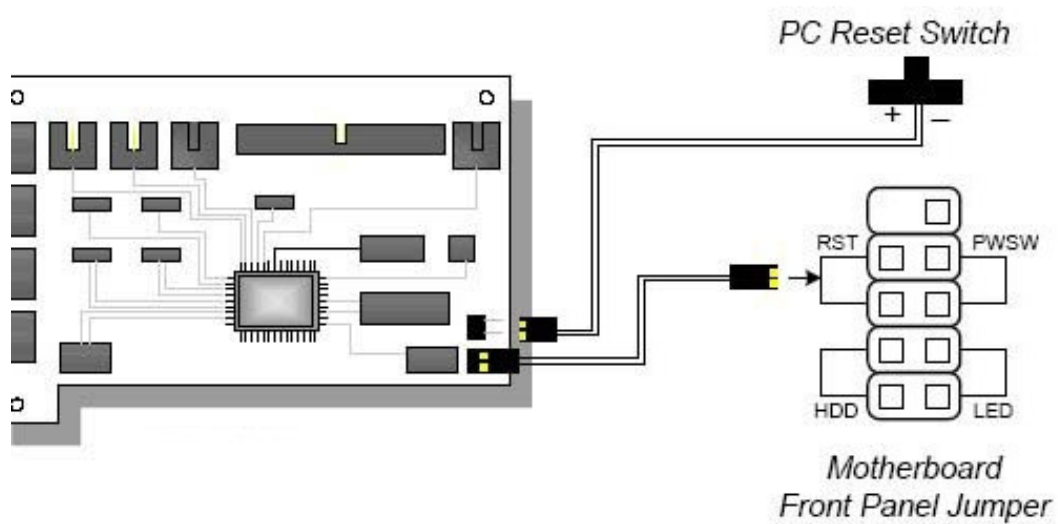
I/O Card



R-1000 Series Capture Card



Watchdog Installation



System Requirement

System Requirement

	SCB-3000 x2 (240fps)	SCB-3000 (120fps)	SCB-2000 (60fps)	SCB-1000 (30fps)
CPU	Intel Core 2 Duo E6400	Intel Pentium D 930	Intel P4 2.8 GHz	Intel P4 2.8 GHz
RAM	1 GB	1 GB	512 MB	512 MB
Mother- board	Intel 945 or 965 chip, Intel Chipset recommended			
Display	ATI Radeon 9200, nVIDIA GeForce FX-5200, Intel 945 / 965, or above (ATI recommended)			
Ethernet	100 BaseT or Above, Gigabit LAN Recommended			
Hard Disk	80 GB or above			
OS	MS Windows 2000 / XP Pro SP2 / 2003			

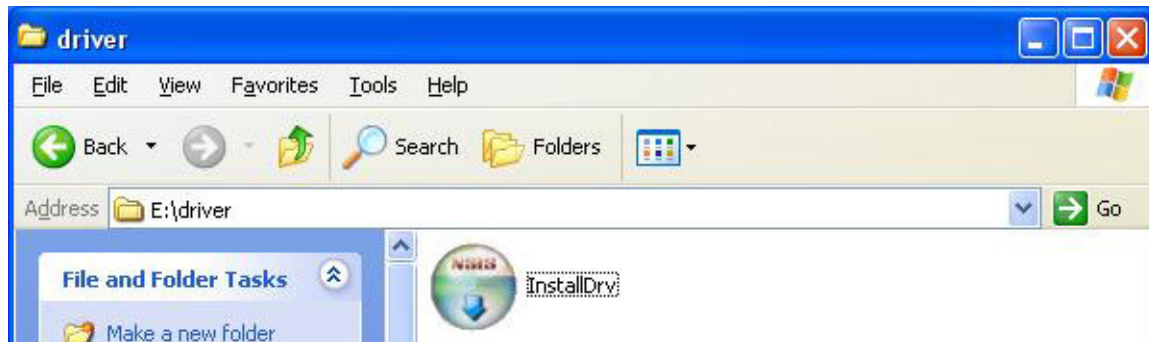
*Requirement for G3-card and R-card are the same.

Driver Installation

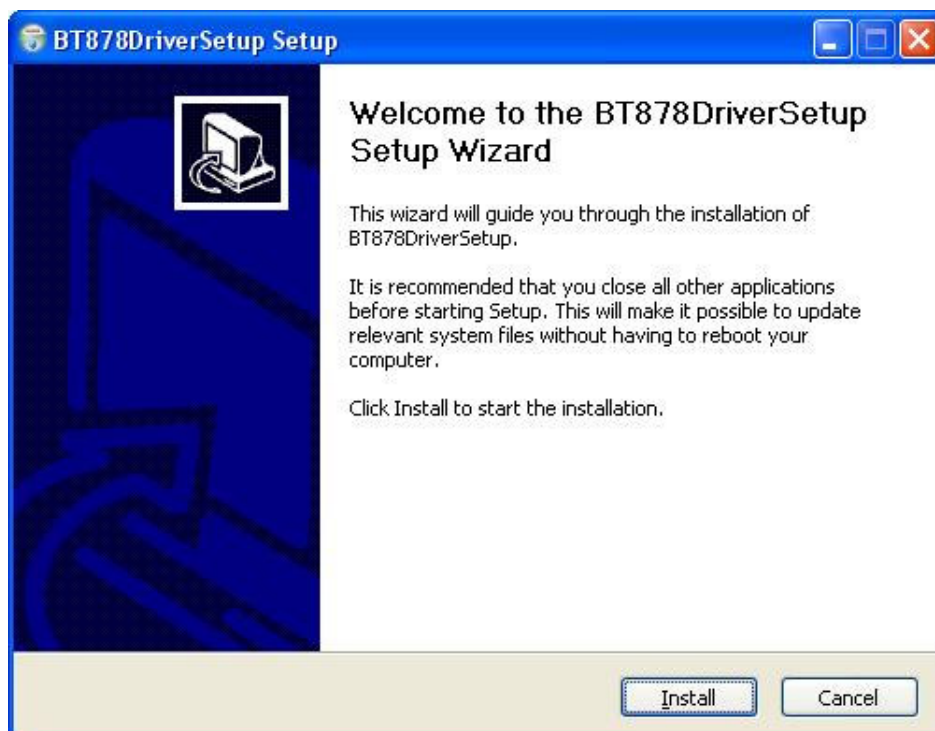
G3-Card Driver Installation

Step 1: Insert the Installation CD.

Step 2: Run InstallDrv.exe from the CD-ROM driver/ directory to install.

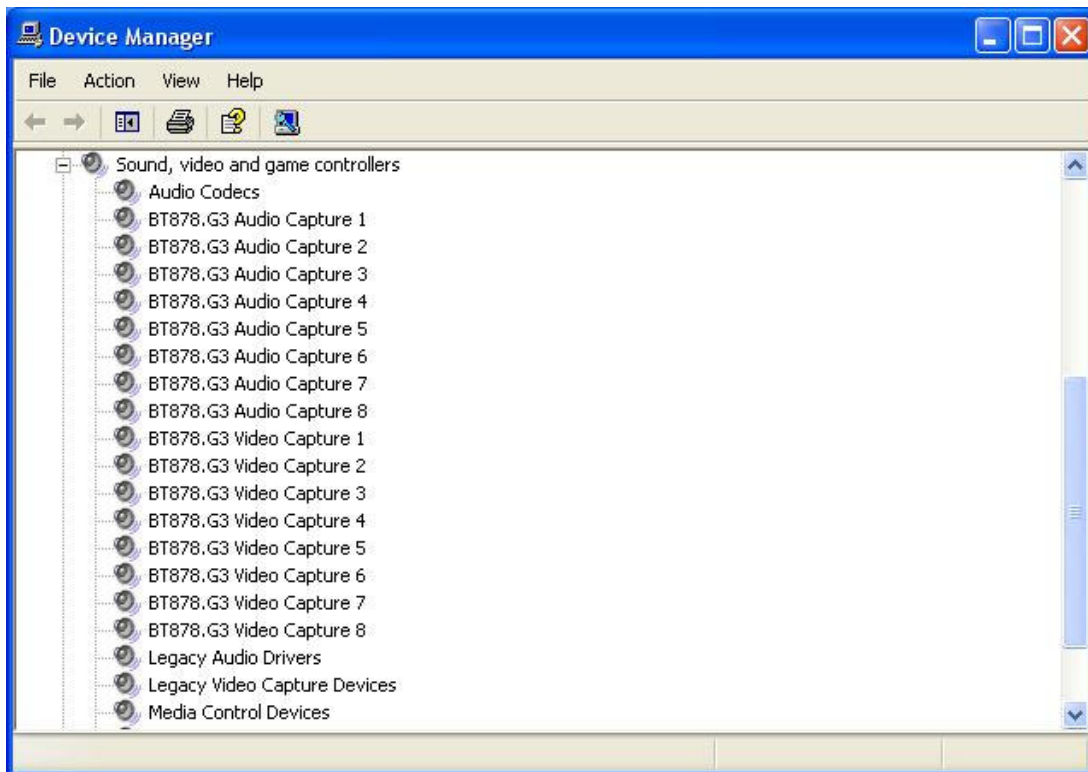


Step 3: Press install button



Driver Installation

Step 4: Driver Installation finish and check the device from Device Manager. You will find "BT878.G3 Audio Capture" and "BT878 .G3 Video Capture" in "Sound, video, and game controllers"

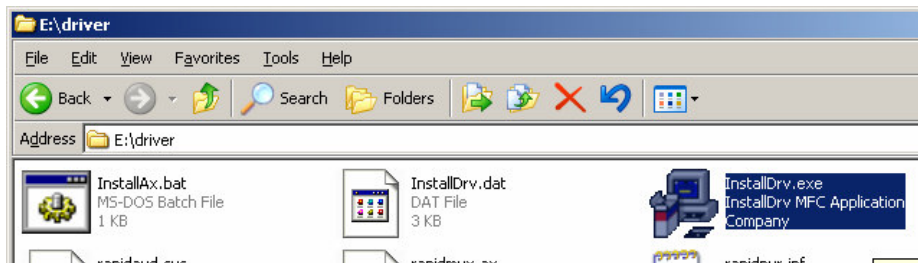


Driver Installation

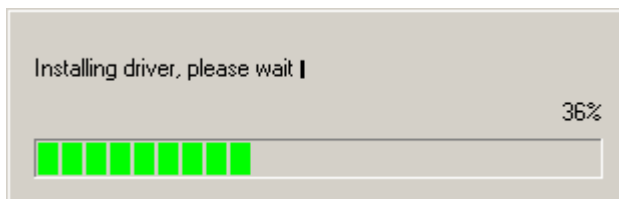
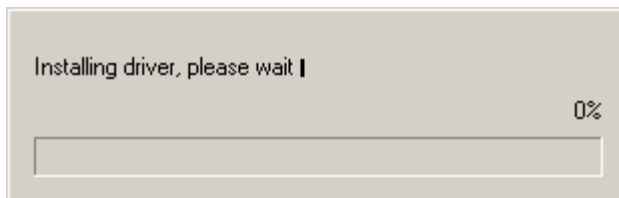
R-card Driver Installation

Step 1: Insert the Installation CD.

Step 2: Run InstallDrv.exe from the CD-ROM driver/ directory to install.

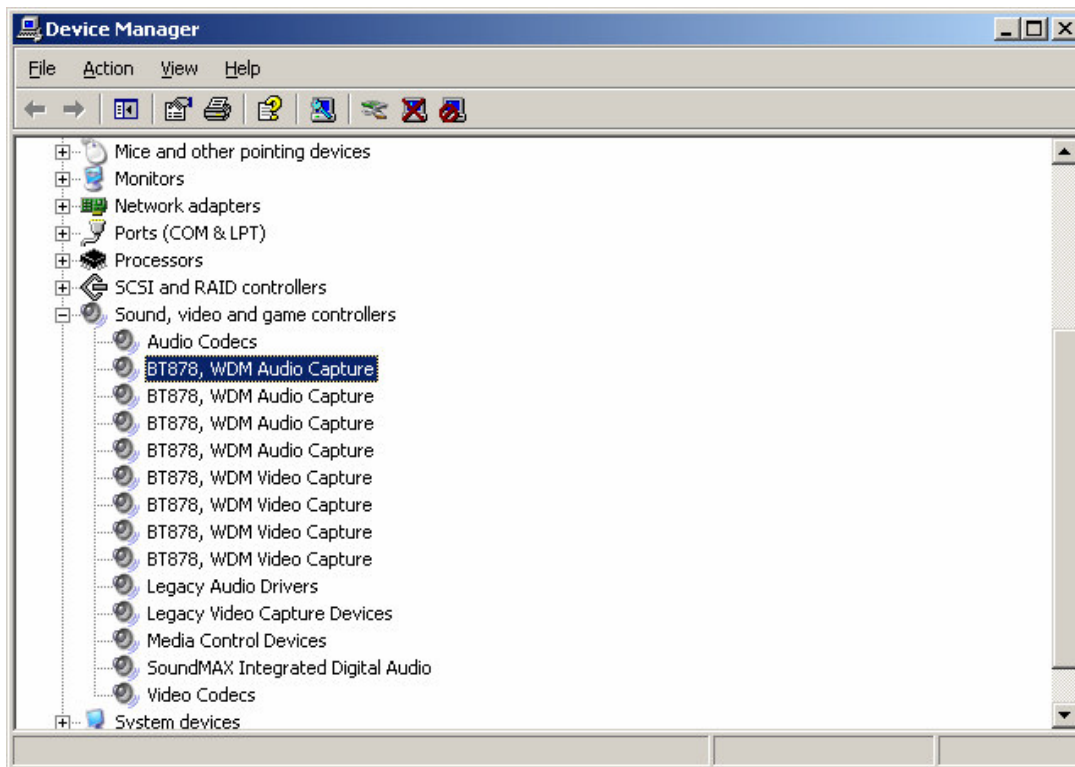


Step 3: Installing driver, please wait



Driver Installation

Step 4: Driver Installation finish and check the device from Device Manager. You will find "BT878 WDM Audio Capture" and "BT878 WDM Video Capture" in "Sound, video, and game controllers"



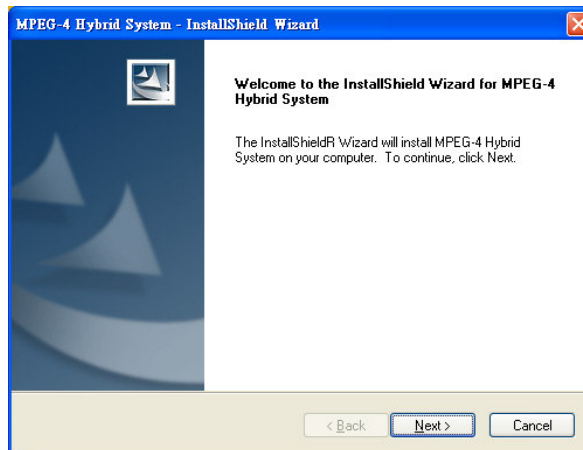
Software Installation

Software Installation

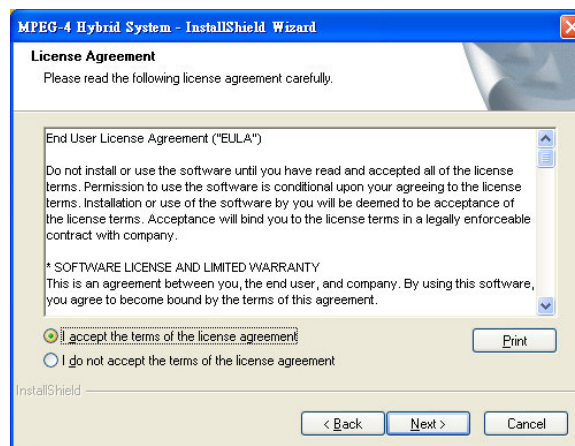
Software installation for G3-card and R-card basically are the same. The title of the panel would be different to show which card is installed. Following diagrams are G3-card.

Step 1: Insert the Installation CD.

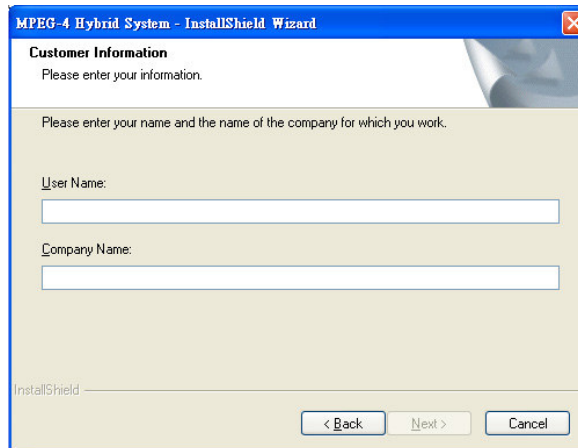
Step 2: Run Setup.exe from the CD-ROM directory to install.



Step 3: Check the option "I accept the terms of the license agreement".



Step 4: Please enter your name and the company name for which you work.

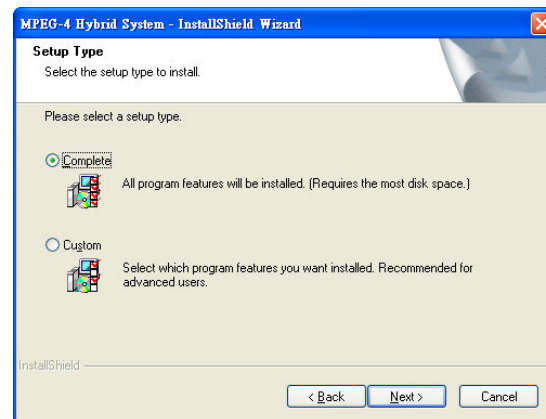


The screenshot shows the 'Customer Information' screen of the 'MPEG-4 Hybrid System - InstallShield Wizard'. The window title is 'MPEG-4 Hybrid System - InstallShield Wizard'. The main heading is 'Customer Information' with the instruction 'Please enter your information.' Below this, it says 'Please enter your name and the name of the company for which you work.' There are two text input fields: 'User Name:' and 'Company Name:'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'InstallShield' logo is visible in the bottom left corner.

COMPLETE SETUP TYPE:

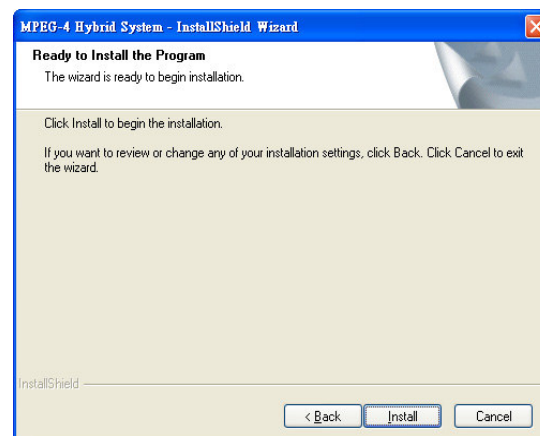
Install all program features into the default directory.

Check the option "Complete". All program features will be installed. [Require the most disk space.]



The screenshot shows the 'Setup Type' screen of the 'MPEG-4 Hybrid System - InstallShield Wizard'. The window title is 'MPEG-4 Hybrid System - InstallShield Wizard'. The main heading is 'Setup Type' with the instruction 'Select the setup type to install.' Below this, it says 'Please select a setup type.' There are two radio button options: 'Complete' (selected) and 'Custom'. The 'Complete' option has a description: 'All program features will be installed. (Requires the most disk space.)'. The 'Custom' option has a description: 'Select which program features you want installed. Recommended for advanced users.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'InstallShield' logo is visible in the bottom left corner.

Press the "install" to start the installation.

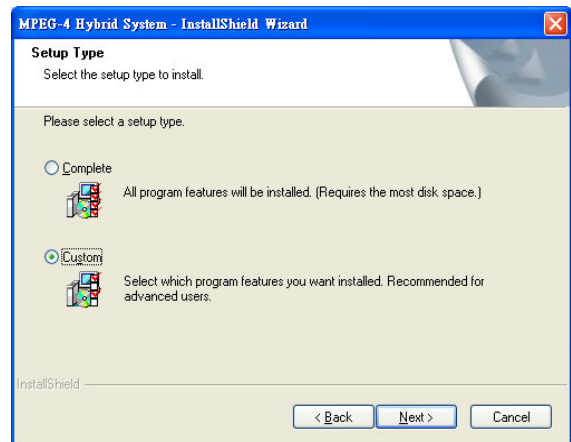


The screenshot shows the 'Ready to Install the Program' screen of the 'MPEG-4 Hybrid System - InstallShield Wizard'. The window title is 'MPEG-4 Hybrid System - InstallShield Wizard'. The main heading is 'Ready to Install the Program' with the instruction 'The wizard is ready to begin installation.' Below this, it says 'Click Install to begin the installation.' and 'If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.' At the bottom, there are three buttons: '< Back', 'Install', and 'Cancel'. The 'InstallShield' logo is visible in the bottom left corner.

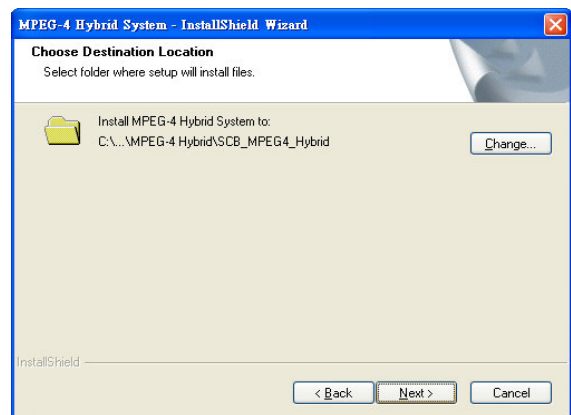
CUSTOM SETUP TYPE:

Install the system to a preferred directory. Or select whichever feature(s) you wish to install.

Check the option "Custom".
Select which program features you want to install. This is recommended for advanced users.

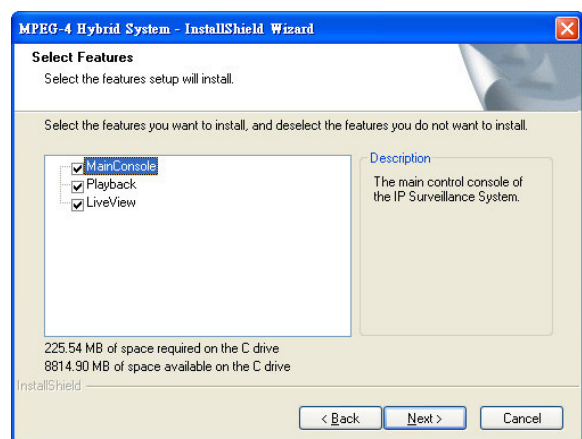


Select folder where setup will install files.



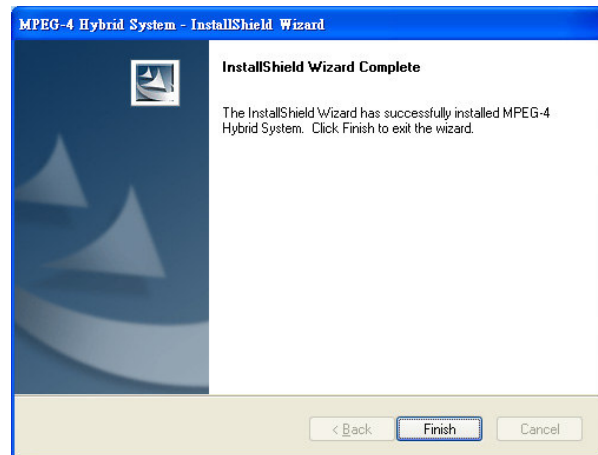
Select the features setup will install.

Hint: For example, select only Playback and LiveView for installation. Install and use only these features on multiple remote sites at home or anywhere with a PC.

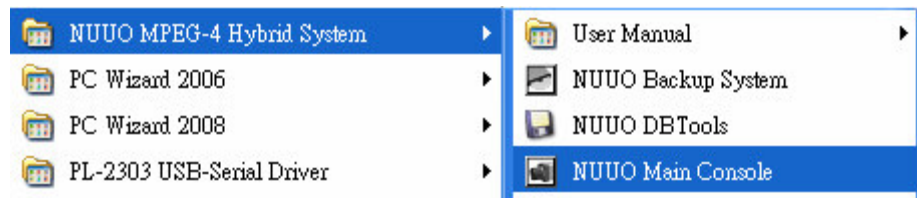


Software Installation

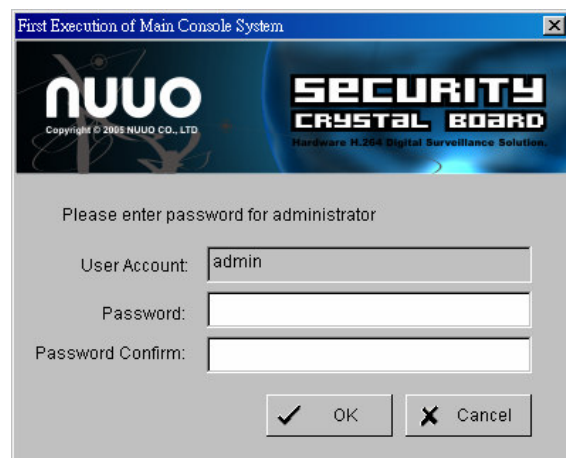
Press "Finish" to finish the installation.



Execute the Main Console



Enter the password you like into the edit box and enter again at the edit of Password Confirm. And then press "OK". Now enjoy our Intelligent Surveillance Solution.



Product Specification**4000 SERIES****Product Specification**

4000 Series	
Display Rate	480fps(NTSC); 400fps (PAL)
Recording Rate	480fps(NTSC); 400fps (PAL)
Maximum Card	1
Video Input	16
Audio Input	16
Video Resolution	NTSC: 352x240; 704x480
	PAL: 352x288; 704x576
Compression Format	Software Compression MPEG 4

Hardware Installation

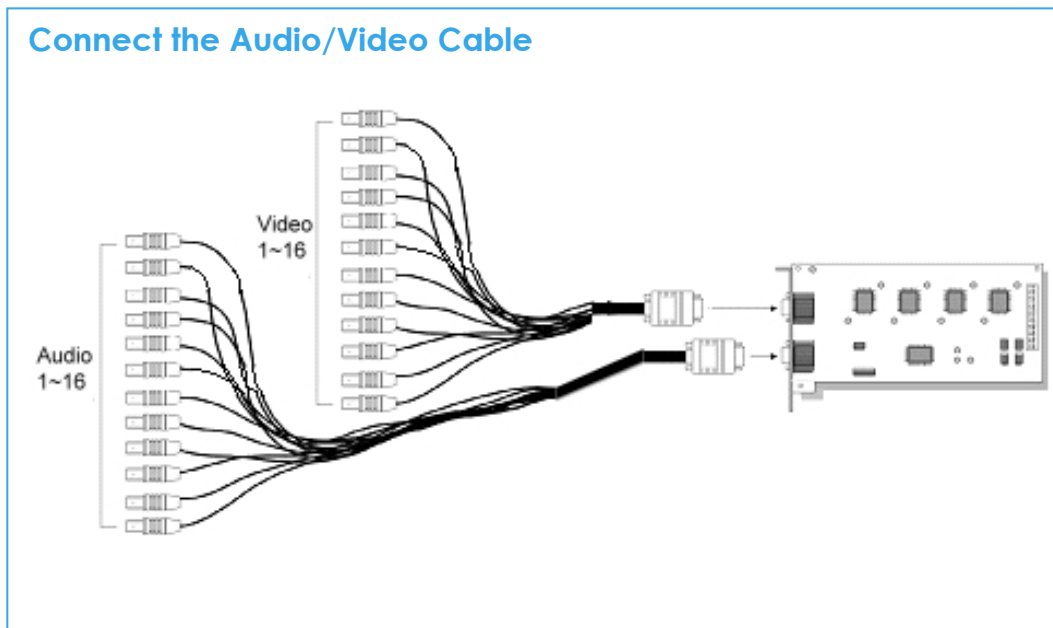
Hardware Installation

Step 1: Insert the card onto an empty PCI slot. Connect the **Audio/Video Cable** to the connector in the same color.

Step 2: Turn on your PC and start Windows.

Step 3: Insert the included Software CD into CD-ROM.

Step 4: After driver being installed, restart your PC. See the detail of driver installation from page 24.



System Requirement**System Requirement**

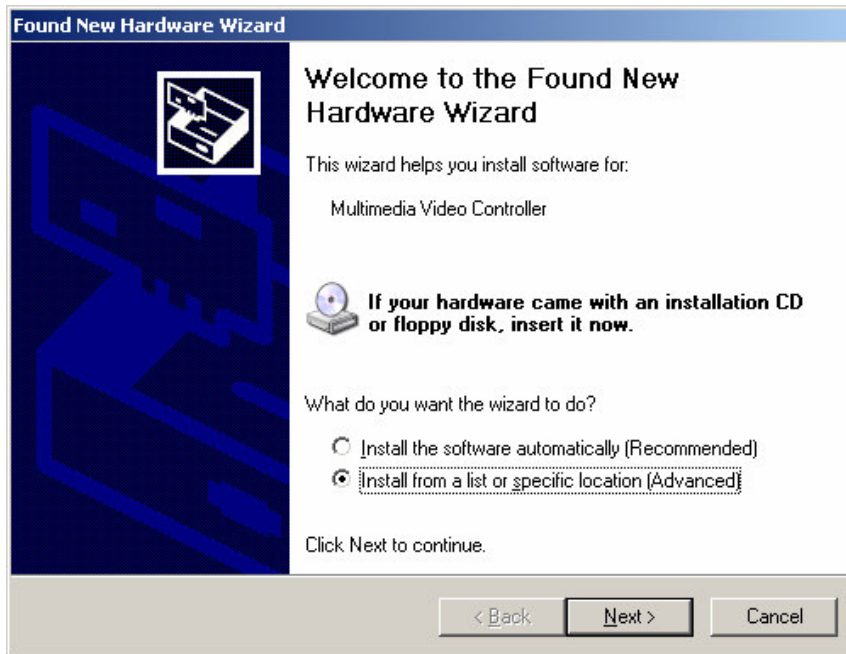
Total FPS at CIF	~600	600~480	480~240	240~120	120~
CPU	Intel Core 2 Duo QX6700	Intel Core 2 Duo E6400	Intel Pentium D 930	Intel P4 2.8 GHz	Intel P4 2.4 GHz
RAM	2 GB	1 GB	1 GB	512 MB	512 MB
Mother- board	Intel 945 or 965 chip, Intel Chipset recommended				
Display	ATI Radeon 9200, nVIDIA GeForce FX-5200, Intel 945 / 965, or above (ATI recommended)				
Ethernet	100 BaseT or Above, Gigabit LAN Recommended				
Hard Disk	80 GB or above				
OS	MS Windows 2000 / XP Pro SP2 / 2003				

Driver Installation

Driver Installation

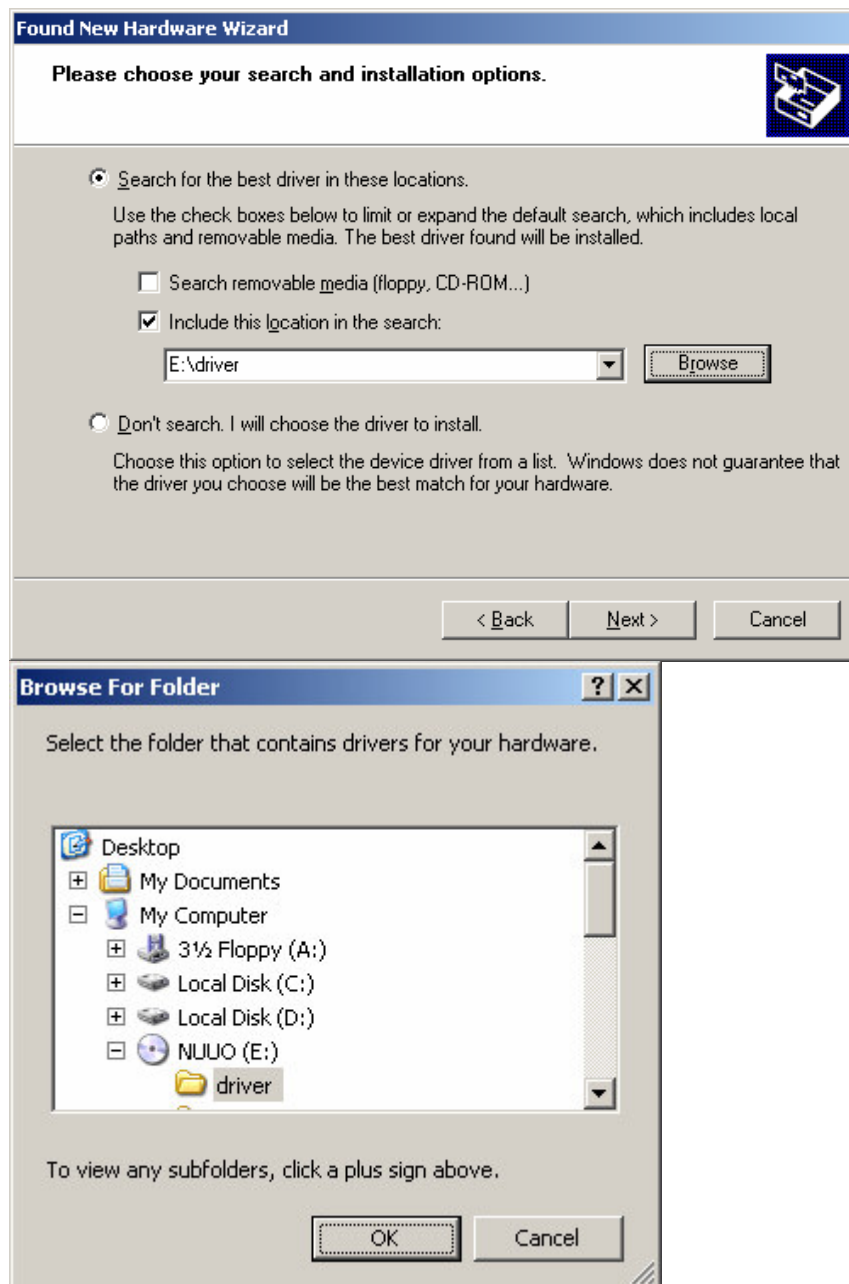
Step 1: Insert the Installation CD.

Step 2: select “Install from a list or specific location (Advanced)” in “the Found New Hardware Wizard.”



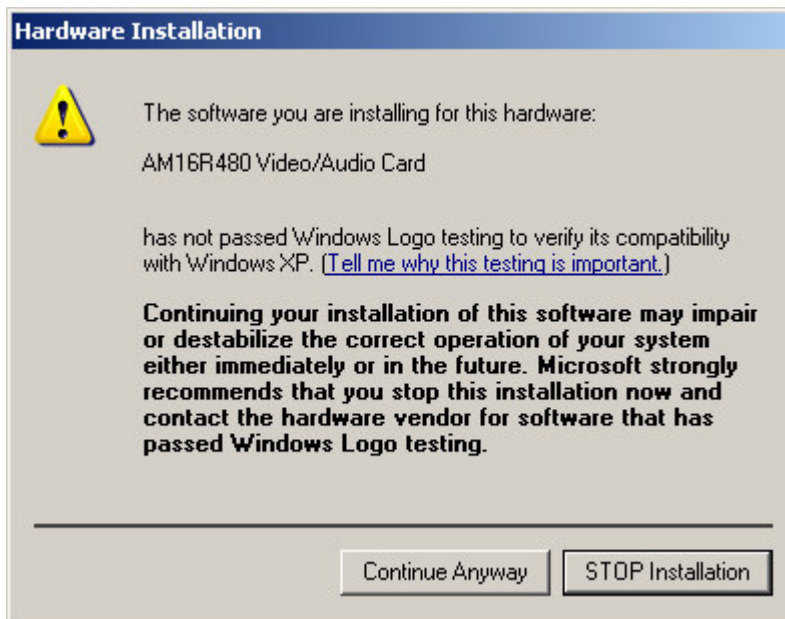
Driver Installation

Step 3: press "Browse" and select the driver from root directory \driver folder.

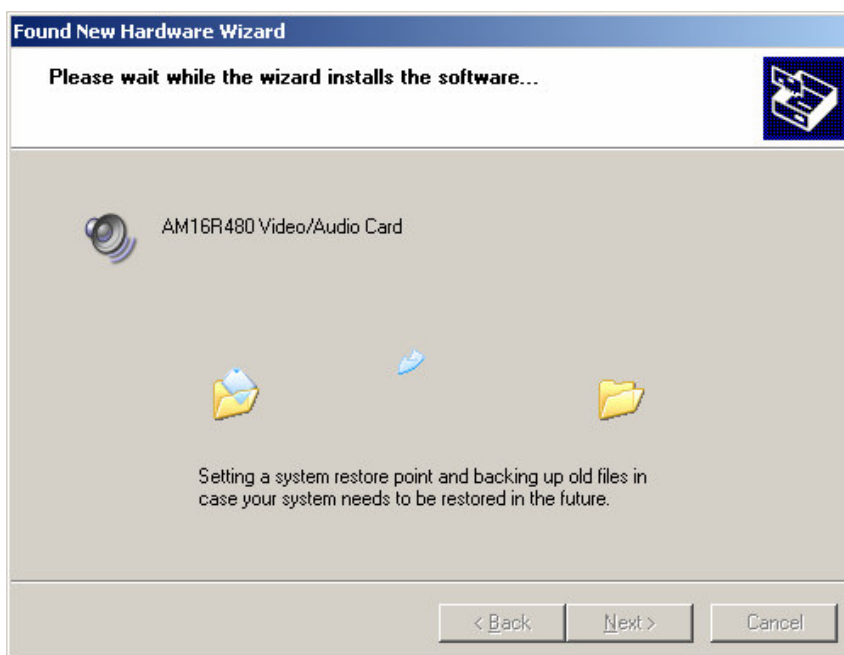


Driver Installation

Step 4: Please press "Continue Anyway."

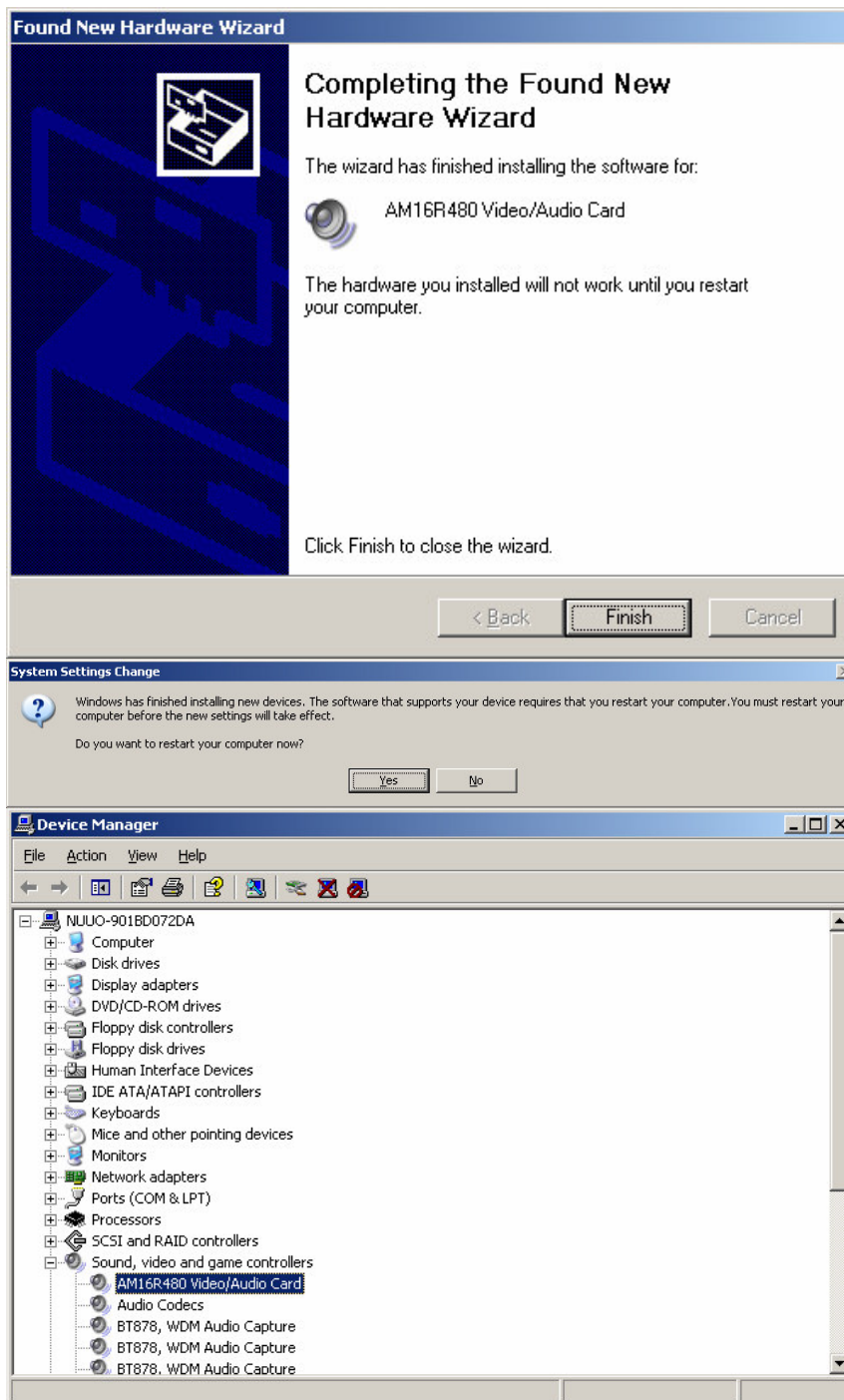


Step 5: Please wait while the wizard installs the software...



Driver Installation

Step 6: Driver Installation finish, restart you PC, and check the device from Device Manager. You will find "AM16R480 Video/Audio Card in "Sound, video, and game controllers"

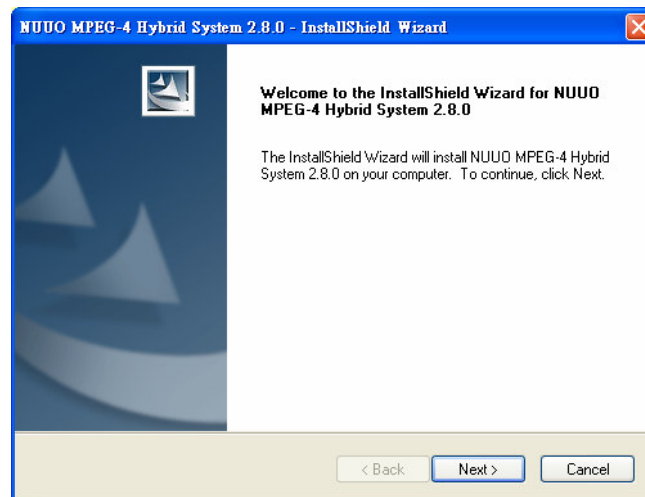


Software Installation

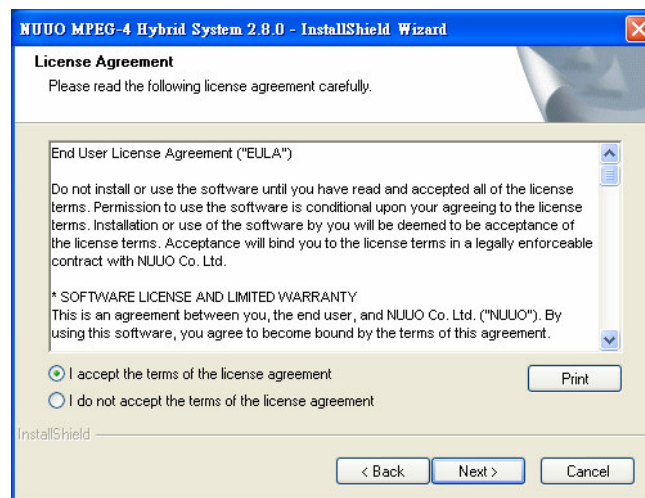
Software Installation

Step 1: Insert the Installation CD.

Step 2: Run Setup.exe from the CD-ROM directory to install.

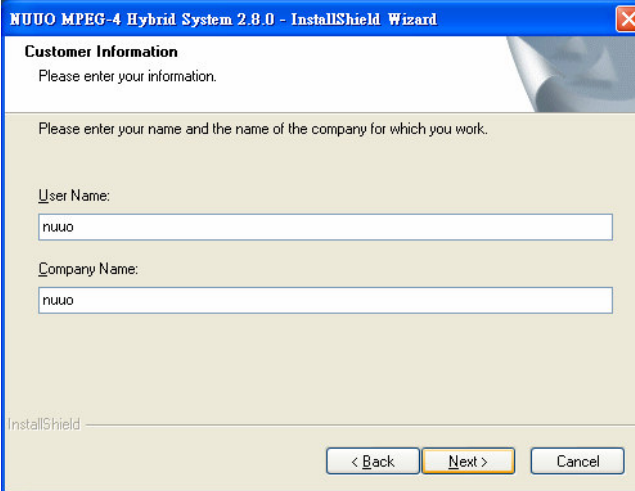


Step 3: Check the option "I accept the terms of the license agreement".



Software Installation

Step 4: Please enter your name and the company name for which you work.

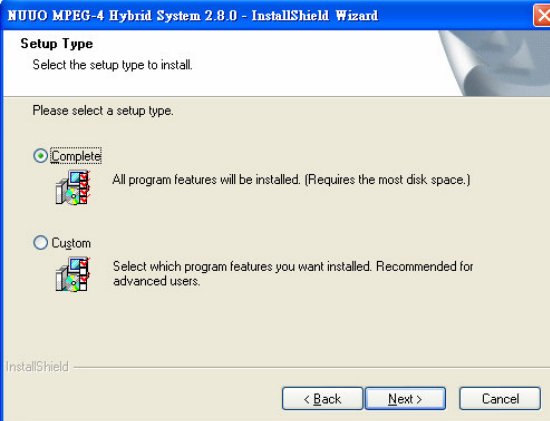


The screenshot shows the 'Customer Information' screen of the 'NUUO MPEG-4 Hybrid System 2.8.0 - InstallShield Wizard'. The window title is 'NUUO MPEG-4 Hybrid System 2.8.0 - InstallShield Wizard'. The main heading is 'Customer Information' with the instruction 'Please enter your information.' Below this, it says 'Please enter your name and the name of the company for which you work.' There are two text input fields: 'User Name:' with the value 'nuuo' and 'Company Name:' with the value 'nuuo'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a yellow border.

COMPLETE SETUP TYPE:

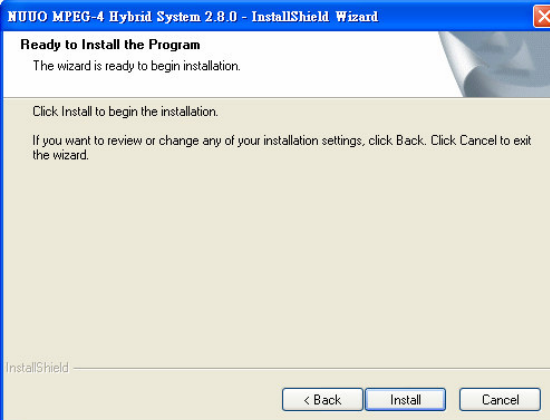
Install all program features into the default directory.

Check the option "Complete". All program features will be installed. [Require the most disk space.]



The screenshot shows the 'Setup Type' screen of the 'NUUO MPEG-4 Hybrid System 2.8.0 - InstallShield Wizard'. The window title is 'NUUO MPEG-4 Hybrid System 2.8.0 - InstallShield Wizard'. The main heading is 'Setup Type' with the instruction 'Select the setup type to install.' Below this, it says 'Please select a setup type.' There are two radio button options: 'Complete' (selected) and 'Custom'. The 'Complete' option has a description: 'All program features will be installed. (Requires the most disk space.)' The 'Custom' option has a description: 'Select which program features you want installed. Recommended for advanced users.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a yellow border.

Press the "install" to start the installation.

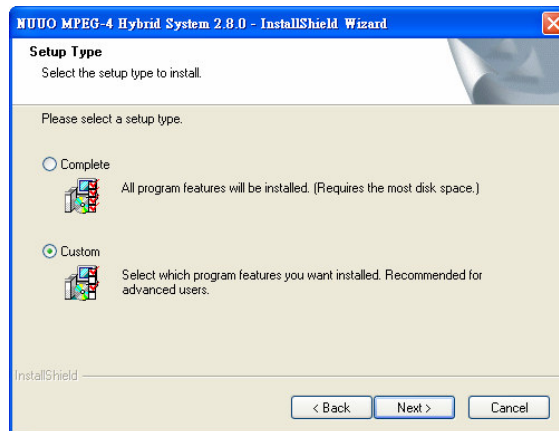


The screenshot shows the 'Ready to Install the Program' screen of the 'NUUO MPEG-4 Hybrid System 2.8.0 - InstallShield Wizard'. The window title is 'NUUO MPEG-4 Hybrid System 2.8.0 - InstallShield Wizard'. The main heading is 'Ready to Install the Program' with the instruction 'The wizard is ready to begin installation.' Below this, it says 'Click Install to begin the installation.' and 'If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.' At the bottom, there are three buttons: '< Back', 'Install', and 'Cancel'. The 'Install' button is highlighted with a yellow border.

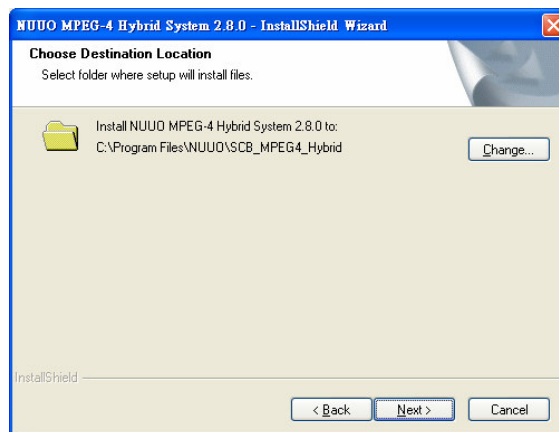
CUSTOM SETUP TYPE:

Install the system to a preferred directory. Or select whichever feature(s) you wish to install.

Check the option "Custom".
Select which program features you want to install. This is recommended for advanced users.

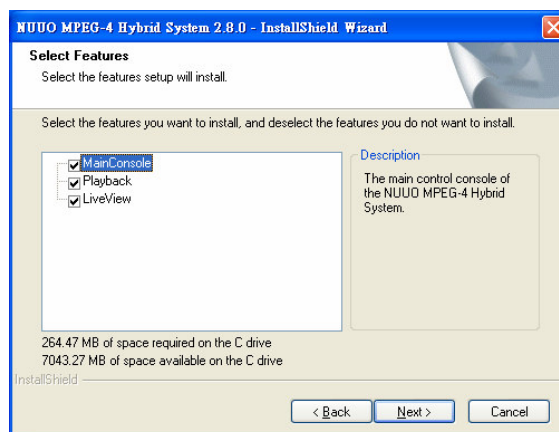


Select folder where setup will install files.



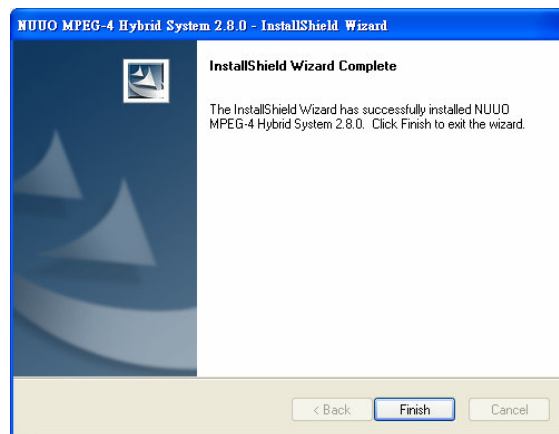
Select the features setup will install.

Hint: For example, select only Playback and LiveView for installation. Install and use only these features on multiple remote sites at home or anywhere with a PC.

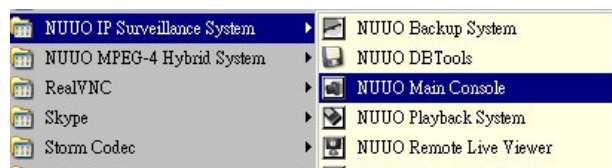


Software Installation

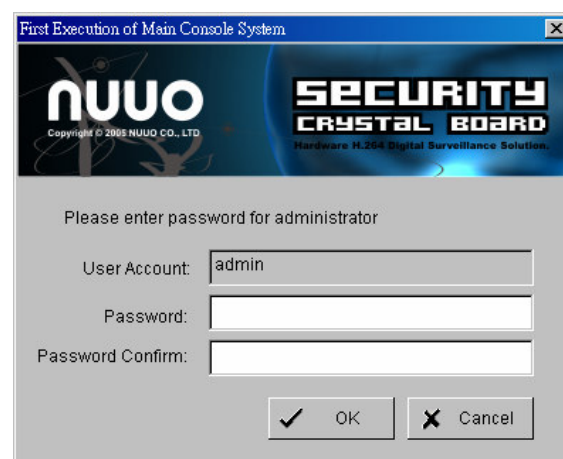
Press "Finish" to finish the installation.



Execute the Main Console



Enter the password you like into the edit box and enter again at the edit of Password Confirm. And then press "OK". Now enjoy our Intelligent Surveillance Solution.



Product Specification**5000 SERIES****Product Specification**

	5016	5008	5004
Display Rate	480fps(NTSC); 400fps (PAL)	240fps(NTSC); 200fps (PAL)	120fps(NTSC); 100fps (PAL)
Recording Rate	480fps(NTSC); 400fps (PAL)	240fps(NTSC); 200fps (PAL)	120fps(NTSC); 100fps (PAL)
Maximum Card	4	4	4
Video Input	16	8	4
Audio Input	16	8	4
Video Resolution	NTSC: 176x120; 352x240; 528x320; 704x480		
	PAL: 176x144; 352x288; 528x384; 704x576		
Compression Format	Hardware Compression H.264		

Hardware Installation

Hardware Installation

Connecting the Audio/Video Cable - referring to the figure on next page.

There are four audio and four video input connectors on the **Audio/Video Cable**. The audio input connectors are with white wires and marks of "AID" on them; the video input connectors are with red wires and the marks of "VID".

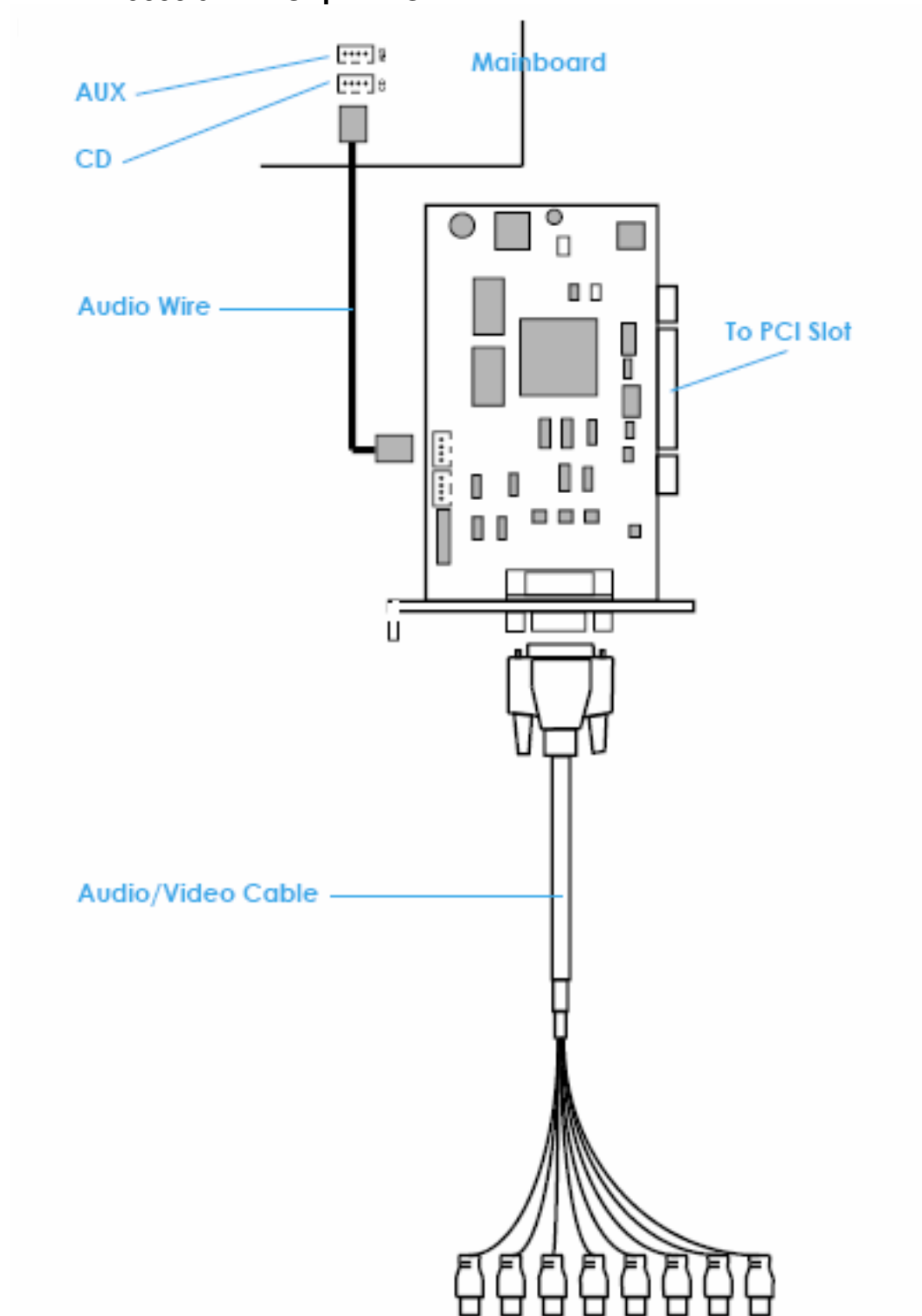
Connecting the Audio Wire referring to the figure on next page.

Plug the **Audio Wire** to the **out** connector of the Hardware Compression Card and then connect it to either the **AUX** or **CD** connector on the mainboard.

With the **Audio Wire** connected, you will be able to get the audio preview on Main Console.

Note: It is known that NUUO **5004 card** (Hikvision 4004HC) has compatibility problem with PPCI slot. NUUO 5004 cards can only be installed in **SPCI slots**. Normally, those 3 PCI slots nearest to CPU are PPCI slots. Avoid install 5004 card in these 3 slots. If driver was installed okay but one still encountered a problem shown below, try to install this 5004 card in another PCI slot.

5000 Series Capture Card



Hardware Installation**System Requirement**

Total FPS at CIF	~600	600~480	480~240	240~120	120~
CPU	Intel Core 2 Duo QX6700	Intel Core 2 Duo E6400	Intel Pentium D 930	Intel P4 2.8 GHz	Intel P4 2.4 GHz
RAM	2 GB	1 GB	1 GB	512 MB	512 MB
Mother- board	Intel 945 or 965 chip, Intel Chipset recommended				
Display	ATI Radeon 9200, nVIDIA GeForce FX-5200, Intel 945 / 965, or above (ATI recommended)				
Ethernet	100 BaseT or Above, Gigabit LAN Recommended				
Hard Disk	80 GB or above				
OS	MS Windows 2000 / XP Pro SP2 / 2003				

Driver Installation

Driver Installation

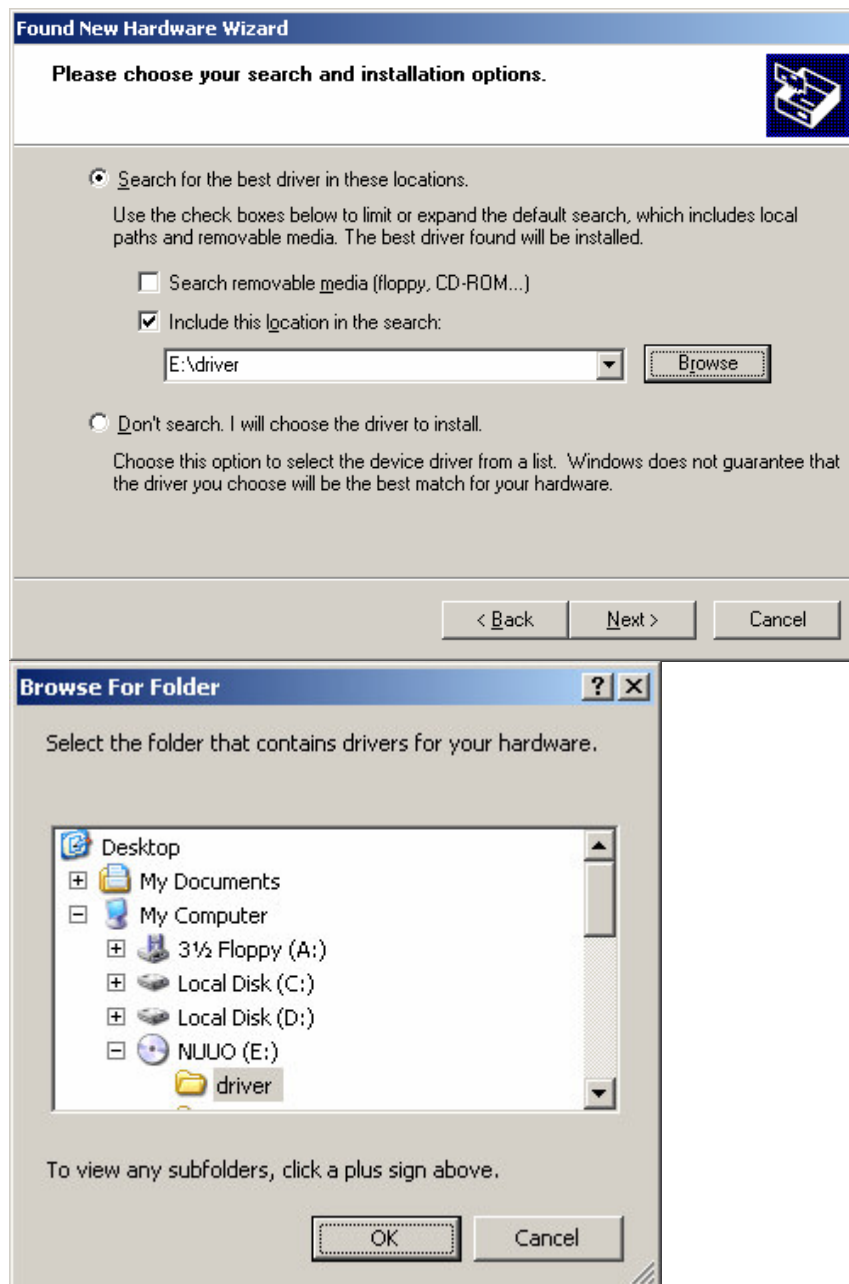
Step 1: Insert the Installation CD.

Step 2: select “Install from a list or specific location (Advanced)” in “the Found New Hardware Wizard.”



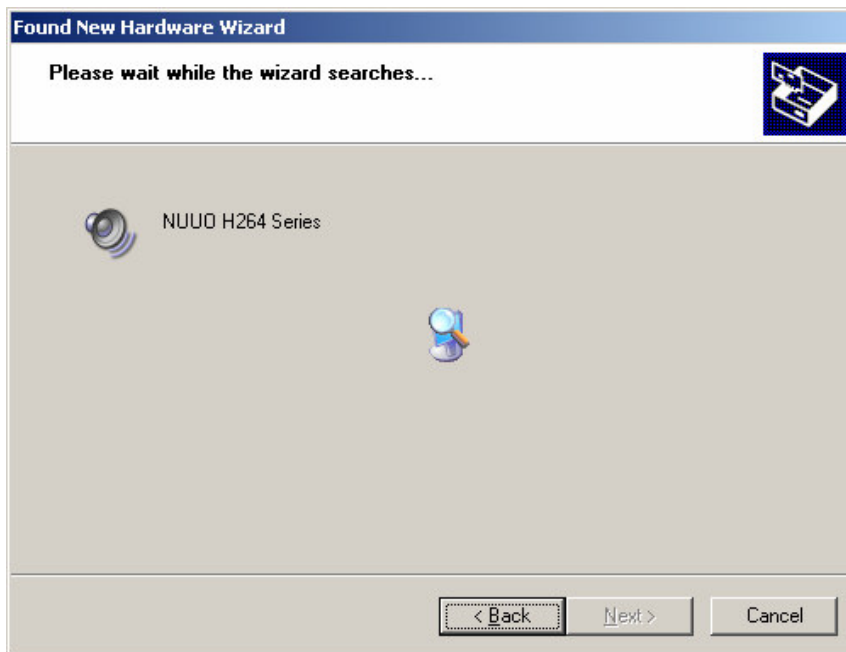
Driver Installation

Step 3: press "Browse" and select the driver from root directory \driver folder.

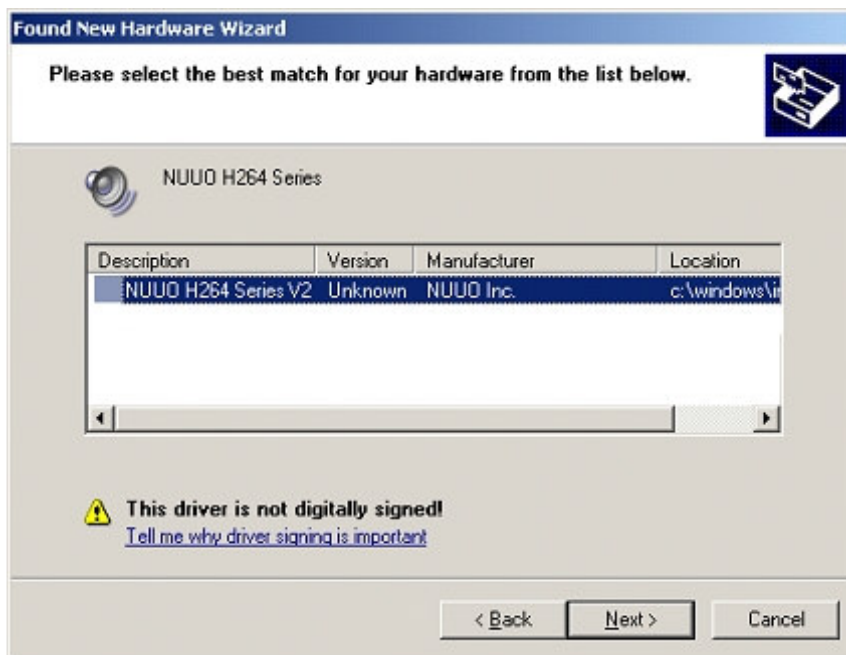


Driver Installation

Step 4: Please wait while the wizard searches...

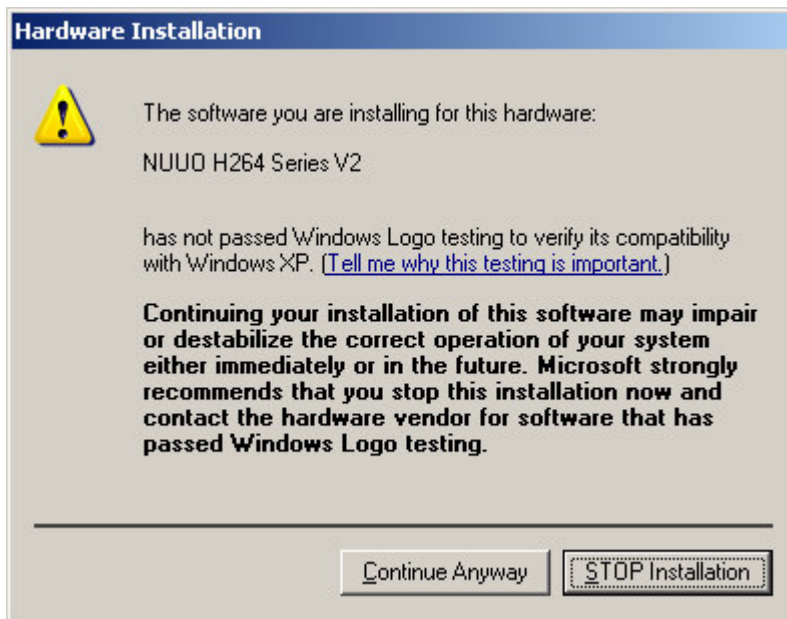


Step 5: Please select NUUO H264 Series V2

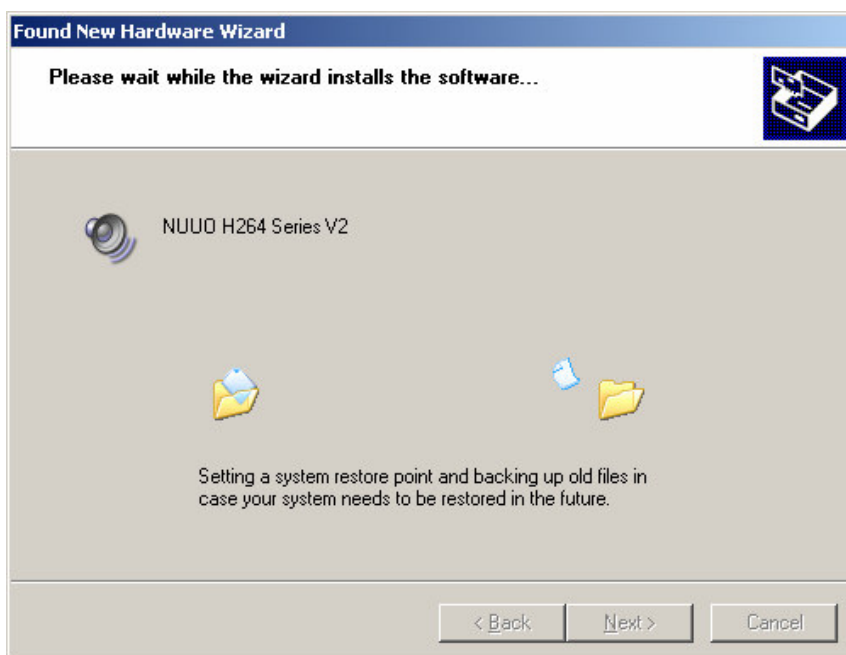


Driver Installation

Step 6: Please press "Continue Anyway."

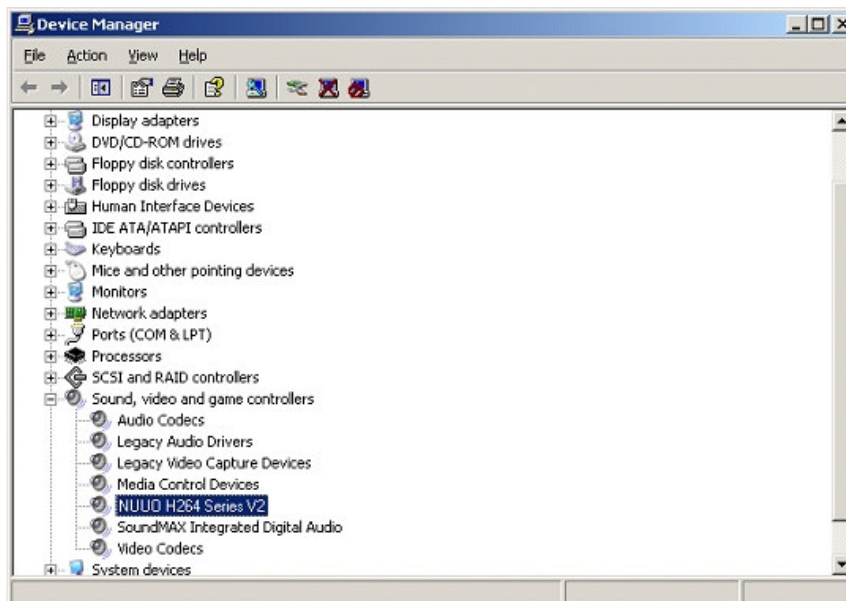


Step 7: Please wait while the wizard installs the software...



Driver Installation

Step 8: Driver Installation finish and check the device from Device Manager. You will find "NUUO H264 Series V2" in "Sound, video, and game controllers"

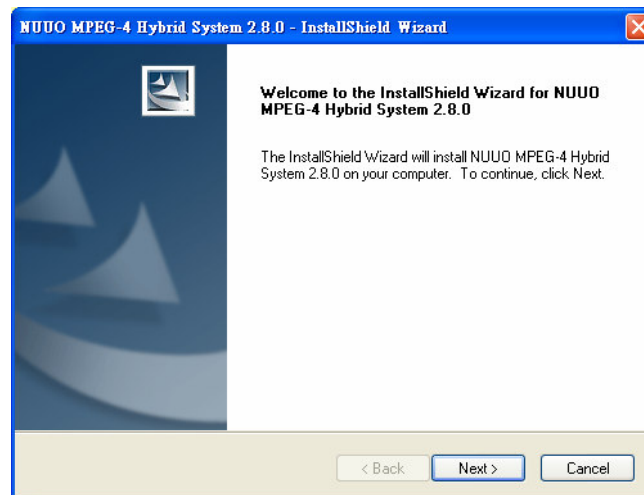


Driver Installation

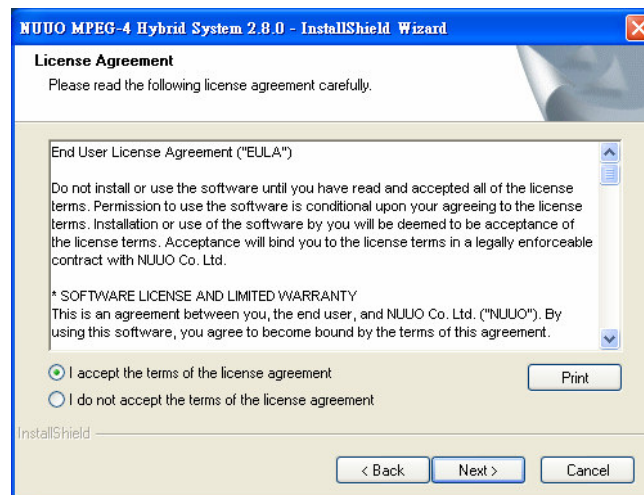
Software Installation

Step 1: Insert the Installation CD.

Step 2: Run Setup.exe from the CD-ROM directory to install.

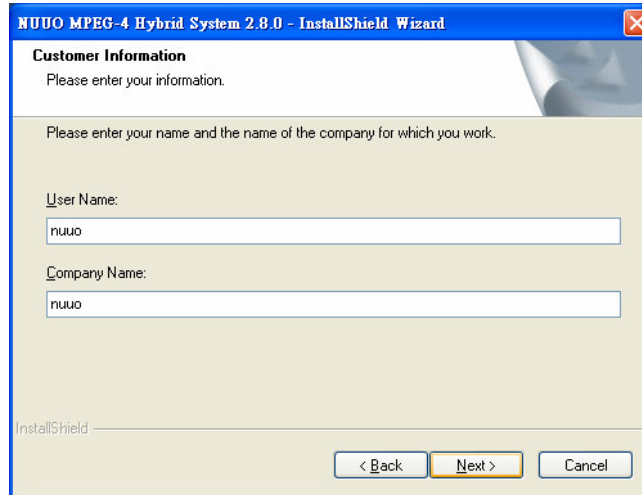


Step 3: Check the option "I accept the terms of the license agreement".



Driver Installation

Step 4: Please enter your name and the company name for which you work.



NUVO MPEG-4 Hybrid System 2.8.0 - InstallShield Wizard

Customer Information
Please enter your information.

Please enter your name and the name of the company for which you work.

User Name:
nuuo

Company Name:
nuuo

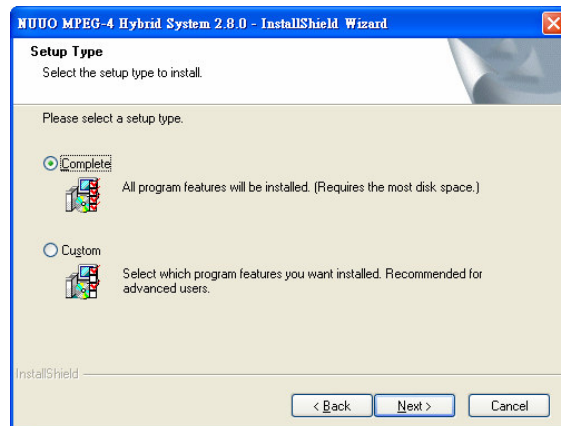
InstallShield

< Back Next > Cancel

COMPLETE SETUP TYPE:

Install all program features into the default directory.

Check the option "Complete". All program features will be installed. [Require the most disk space.]



NUVO MPEG-4 Hybrid System 2.8.0 - InstallShield Wizard

Setup Type
Select the setup type to install.

Please select a setup type.

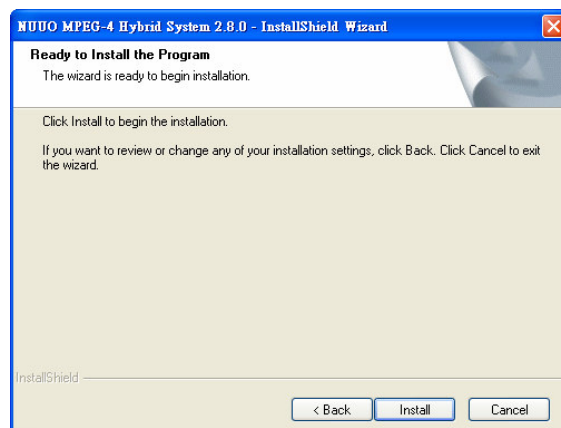
☒ Complete
All program features will be installed. (Requires the most disk space.)

☐ Custom
Select which program features you want installed. Recommended for advanced users.

InstallShield

< Back Next > Cancel

Press the "install" to start the installation.



NUVO MPEG-4 Hybrid System 2.8.0 - InstallShield Wizard

Ready to Install the Program
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

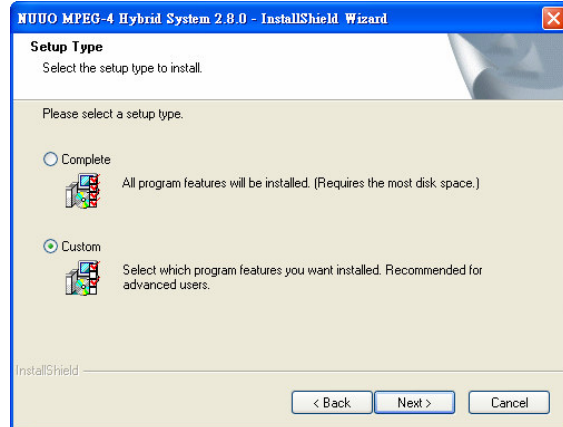
InstallShield

< Back Install Cancel

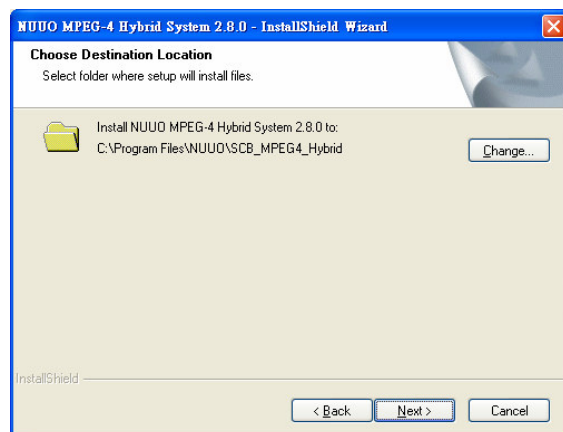
Driver Installation**CUSTOM SETUP TYPE:**

Install the system to a preferred directory. Or select whichever feature(s) you wish to install.

Check the option "Custom".
Select which program features you want to install. This is recommended for advanced users.

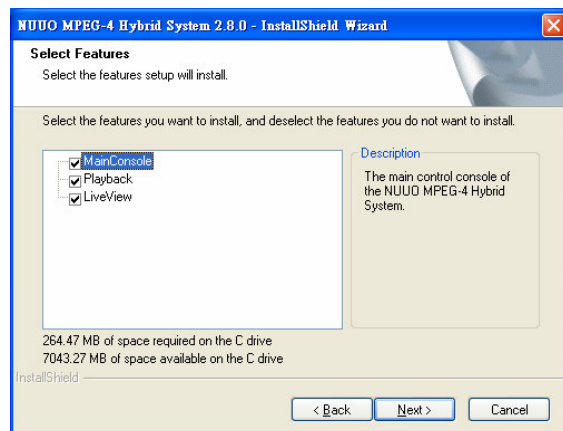


Select folder where setup will install files.



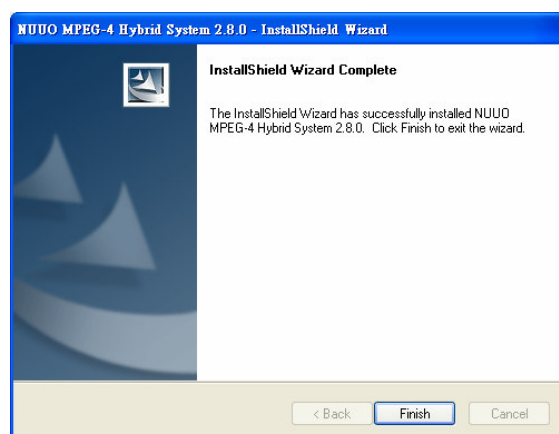
Select the features setup will install.

Hint: For example, select only Playback and LiveView for installation. Install and use only these features on multiple remote sites at home or anywhere with a PC.

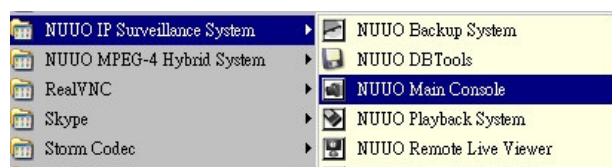


Driver Installation

Press "Finish" to finish the installation.



Execute the Main Console



Enter the password you like into the edit box and enter again at the edit of Password Confirm. And then press "OK". Now enjoy our Intelligent Surveillance Solution.

