

MEMRECAM Q1m/Q1v HXLink install Supplemental User's Manual Model ST-822

This book is a manual about an installation procedure of HXLink before using Q1m/Q1v.

APRIL 2015

PC Settings

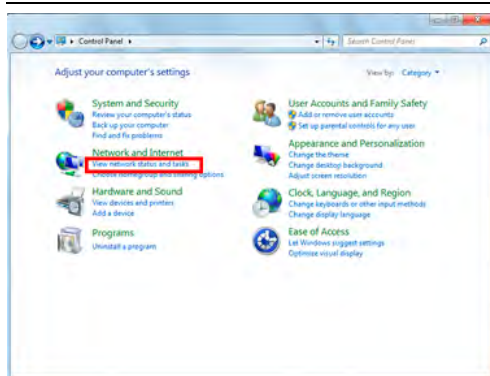
Have the user with Windows Administrators authorization log in.

Connect the powered up HUB or camera to the LAN port used for camera control.

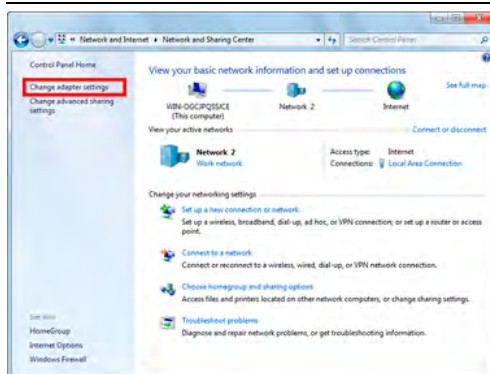
This manual describes the setting method for Windows7.

■ PC IP Address Settings

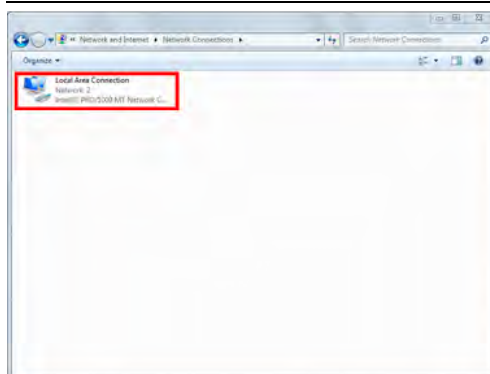
1 Open the control panel from the Windows start button.



2 Click to open "View network status and tasks".

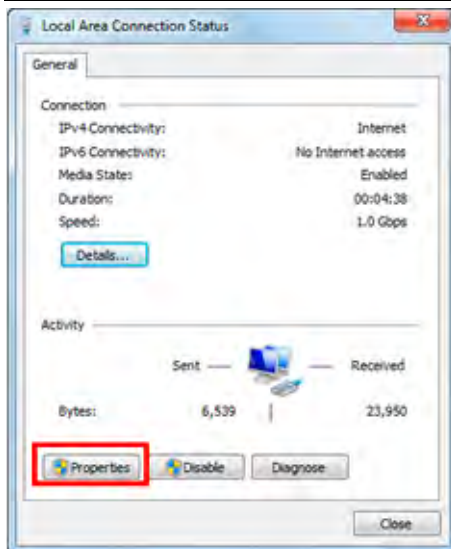


3 Click to open "Change Adapter Settings".

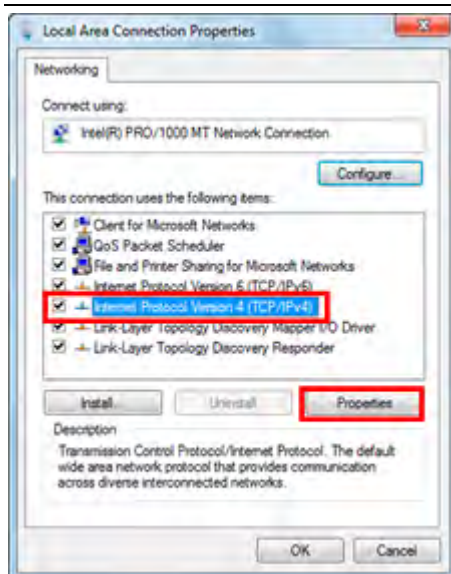


4 Double click to open the LAN port connection used for camera control.

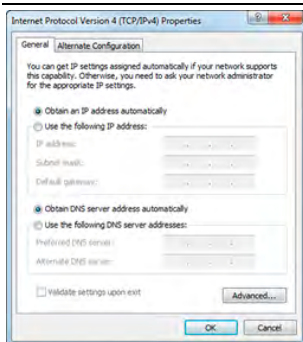
- Normally, select "Local Area Connection". This manual describes an example where "Local Area Connection" is selected.
- If extending the LAN adapter for camera control, select the name of the connection for "Local Area Connection 2".



- 5 Click "Properties" in the "Local Area Connection Status" window to open the "Properties" window for the local area connection.

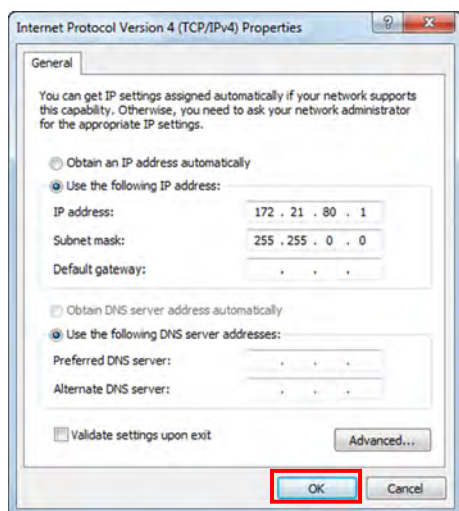


- 6 Select "Internet Protocol Version 4 (TCP/IPv4)" in the items under the "This Connection Uses the Following Items" in "Local Area Connection Properties", and then click on "Properties" immediately under that to open the window for "Internet Protocol Version 4 (TCP/IPv4) Properties".



7 As shown in the figure on the right, set the PC IP address to 172.21.80.1 and set the subnet mask to 255.255.0.0.

- Click OK for "Internet Protocol (TCP/IP) Properties", and then click OK for the "Local Area Connection Properties" to confirm the settings. Close the "Local Area Connection Status" window.

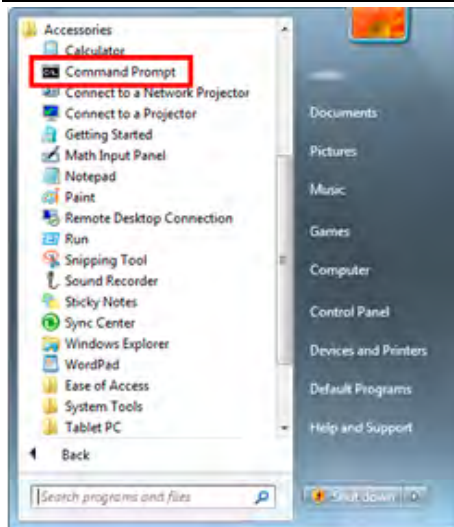


Attention

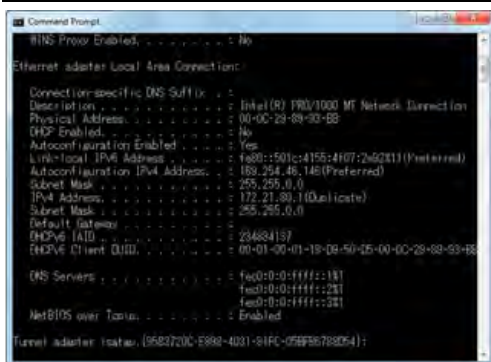
- If the PC IP address for the IP address setting is set to something other than 172.21.80.1, set the PC IP address the same as that for the camera IP address.
- At this point, communication is not possible if the PC and the camera don't have the same LAN IP address set, so in the example, the IP address for both the PC and the camera must be 172.21.*.*.

■ How to check the set IP address

Confirm the IP address set for the PC by performing the ipconfig command with the command prompt.



- 1 Open accessories from the Windows start button and click "Command Prompts" to open.



- 2 Type in ipconfig and press Enter to display the PC IP address.

■ Disable sound device function

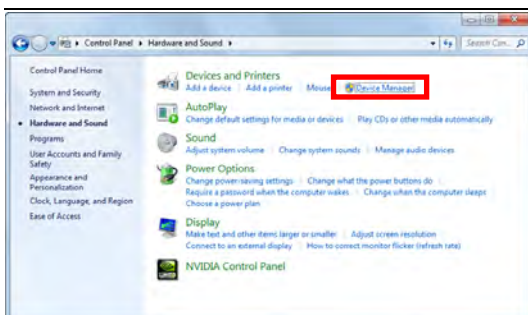
Disable sound function at Windows in order to stabilize Q1m/Q1v communication.

This manual describes the setting method for Windows7.

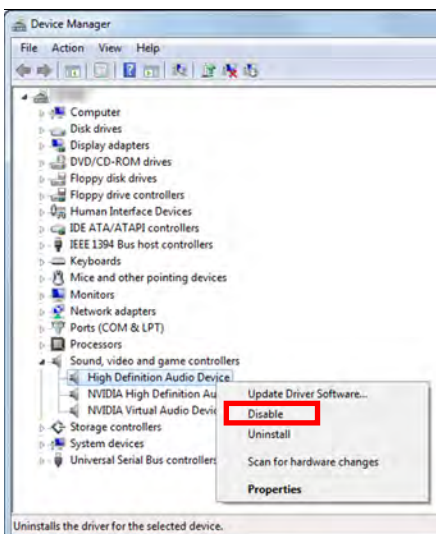
1 Open the control panel from the Windows start button.



2 Click to open "Hardware and Sound".

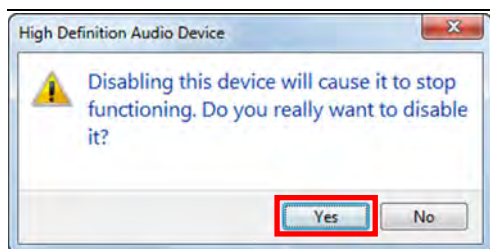


3 Click to open "Device Manager".




4 Select "Sound, video and game controllers" category and right click and click "Disable" sound device used (example: High Definition Audio Device).

- Sound device used are different by model of PC
- If enables sound function again, right click and to open sound device and click "Enable".



5 Click “Yes” when confirmation message appears.

6 If a message to reboot PC appeared, reboot PC accordingly.
This is all the process to disable sound function.

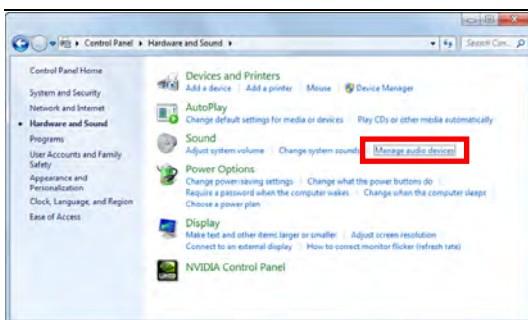
 Attention • It is not necessary to disable sound function for MEMRECAM camera except Q1m/ Q1v

■ How to check the status of Sound function.

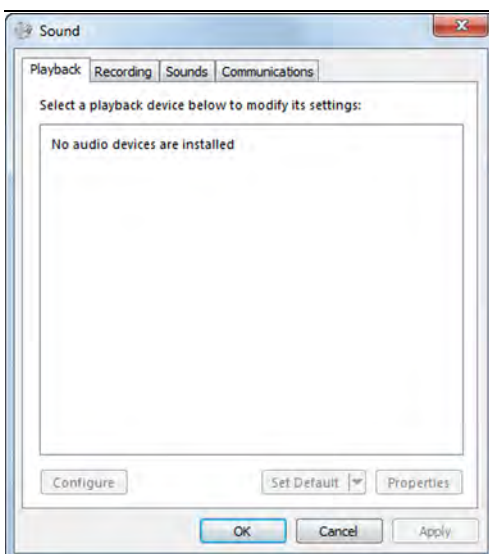
1 Open the control panel from the Windows start button.



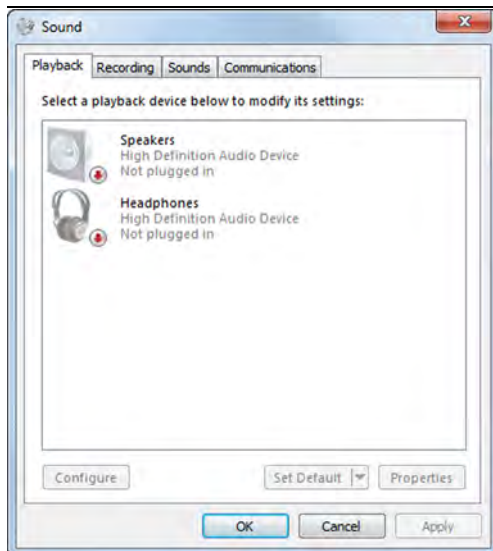
2 Click to open "Hardware and Sound".



3 Click to open "Manage audio devices".



4 Confirm "No audio devices are installed" is displayed.



- 5 If sound function is still effective, the devices (example: High Definition Audio Device) is displayed.

Installation Procedures

The following settings can be required prior to installation.

Start the HXLink installation once the settings are complete.

- For using Q camera, Install GenICam and GigE Vision Filter Driver in accordance with the environment.
Confirm your windows environment prior to HXLink installation. Open "Control Panel", "all control panel items", "System", check whether 32bit/ 64bit in "System type".
- If HXLink and/or GigE Vision Filter Driver are already installed, please perform the uninstallation.
Uninstallation Procedures (▶ 46)
- For a TCP/IP MEMRECAM connection, "TCP/IP Network Optimization" is performed when HXLink is installed. Install to a PC connected to a LAN (Ethernet HUB) or a MEMRECAM that is turned on.

During HXLink installation, if the PC is not connected to a LAN or a MEMRECAM, you will be required to conduct "TCP/IP Network Optimization" again when the MEMRECAM is connected. Click on "TCP/IP Network Optimization" in the Windows start menu and reboot the PC after setting.

■ Installation start



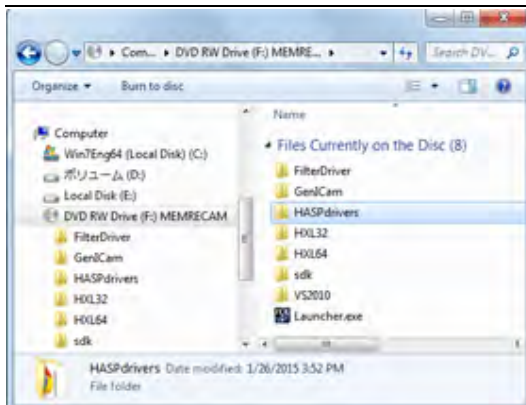
Attention

- Have an authorized user of the Windows Administrators group log on.
- Please finish all the application of the PC.



- 1 Once all of the PC applications have been completed, the "Automatic Playback" window is displayed when the HXLink CD is inserted into the PC CD drive.

- Click "Execute setup.exe" to start the installer and installation.



- 2 A program necessary for installation of HXLink is included in HXLink installer.

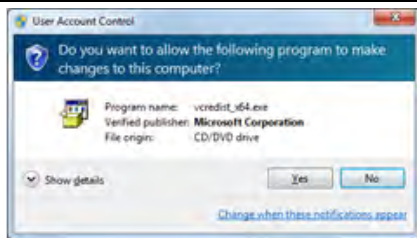
- VS2010 folder ~
Microsoft Visual C ++ 2010 Redistributable Package
- Launcher.exe
Launcher to select the HXLink 64bit version / 32bit version to be installed

■ Install Microsoft Visual C++ 2010

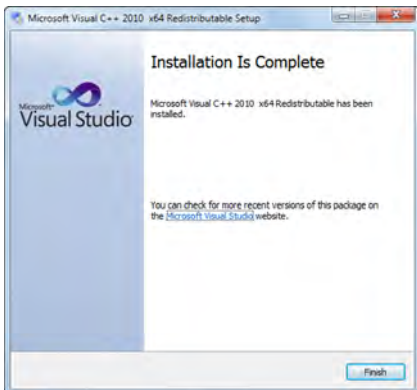
In VS2010 folder, there is a 32bit program installer for vcredist_x86.exe and 64bit program installer vcredist_x64.exe

Please run vcredist_x86.exe only if you want to install the HXLink 32bit version, both of vcredist_x86.exe and vcredist_x64.exe If you are installing the HXLink 64bit version.

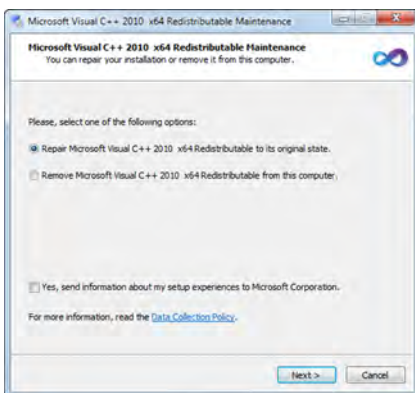
Lists the steps to install the HXLink 64bit version.



- 1 Double-click the vcredist_x64.exe for VS2010 folder. Then Install the 64bit for Microsoft Visual C++ 2010 wizard.



- Completion of installation of vcredist_x64.exe.



- Because the deletion message from restoration and a computer of the installation is displayed when it has been already installed in a PC, please click cancel.

-
- 2 Also install vcredist_x86.exe as well.
-

■ Install GigE Vision Filter Driver

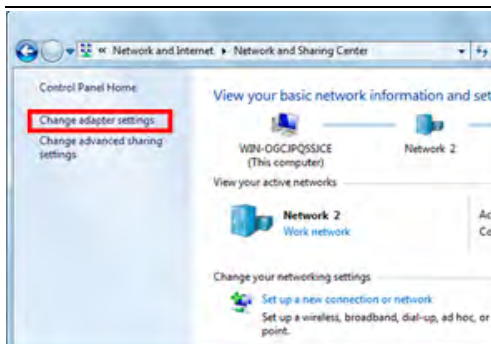


Attention ■ Installation is necessary in GigE Vision Filter Driver to use Q1m/Q1v..

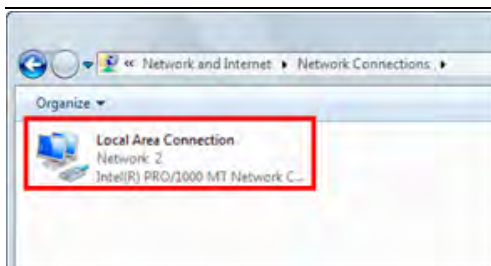


1 Open the control panel from the Windows start button.

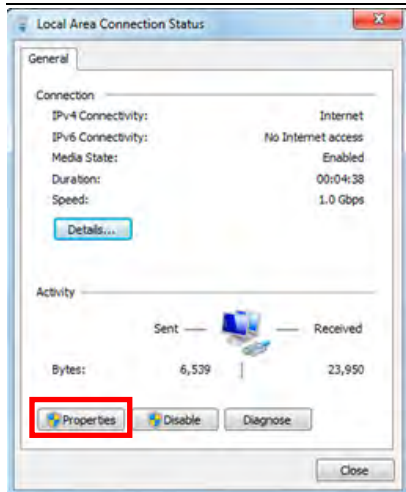
Click to open "View network status and tasks".



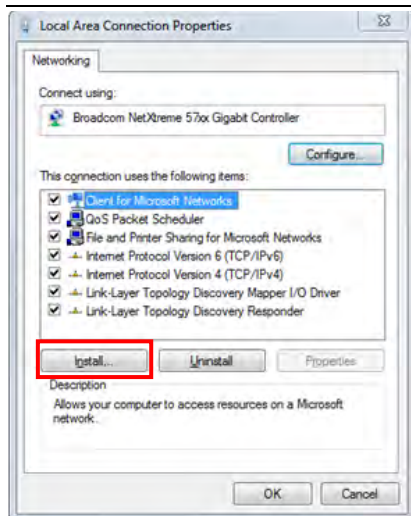
2 Click to open "Change Adapter Settings".



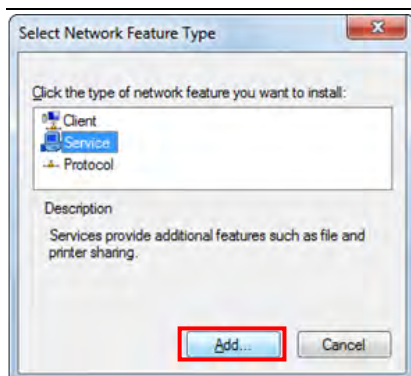
3 Double click to open the LAN port connection for camera control.



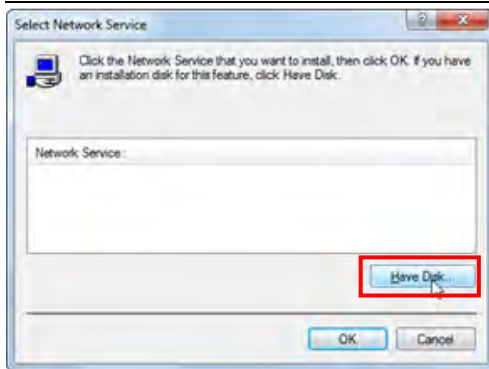
- 4 Click "Properties" in the "Local Area Connection Status" window to open the "Properties" window for the local area connection.



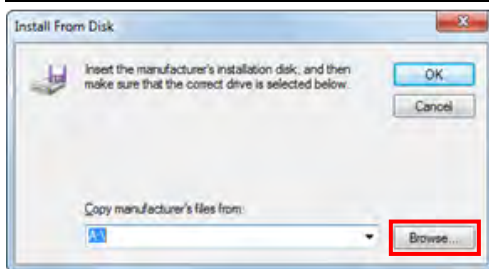
- 5 Click "Install" in "Networking" tab.



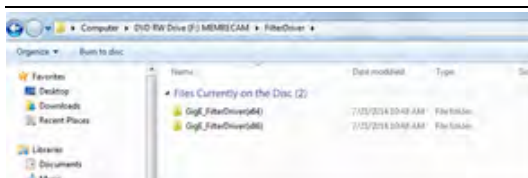
- 6 Click "Service" as the type of network feature, and click "Add".



7 Click "Have Disk" to set installation disk.

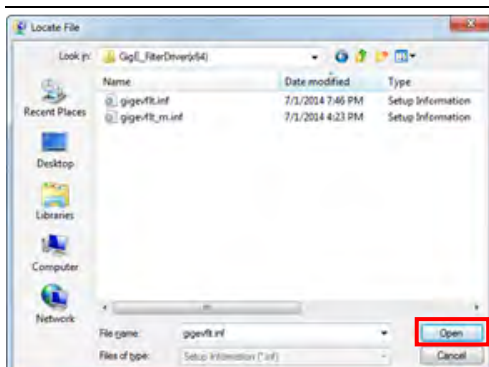


8 Click "Browse" to insert the manufacture's installation disk.

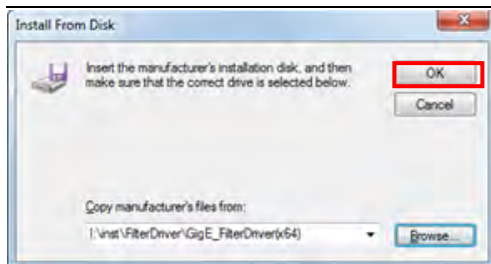


9 Open explorer and confirm the following folder in install CD according to your OS.

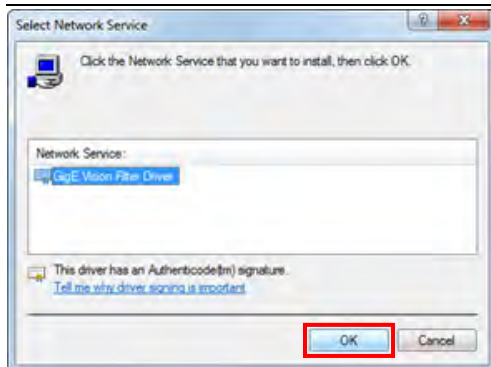
- Windows OS 32bit :GigE_FilterDriver(x86)
- Windows OS 64bit:GigE_FilterDriver(x64)



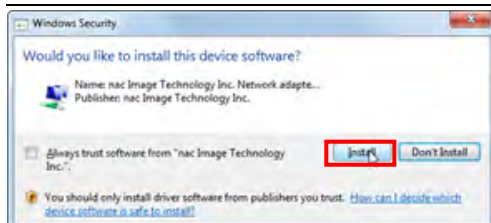
10 At "File name" dialog, select "gigevflt.inf" in the above folder you confirmed and click "Open".



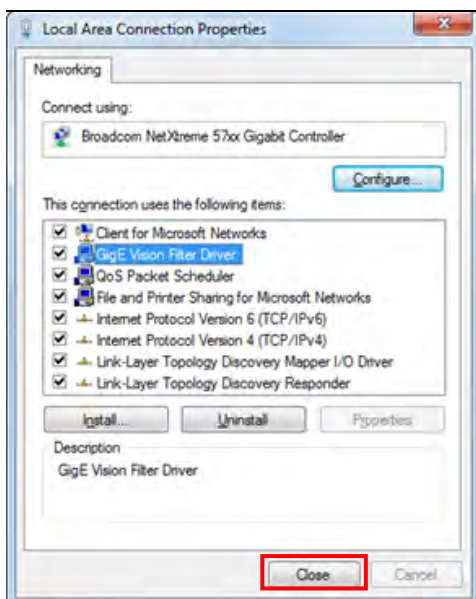
11 Click "OK"



12 Select "GigE Vision Filter Driver" as the Network service you want to install and click "OK".



13 If "Windows Security" window is displayed, click "Install".



14 Installation completed in a few seconds.

Finally, open "Properties" window for the local area connection again and make sure that "GigE Vision Filter Driver" is added and checked.

Then click "Close".

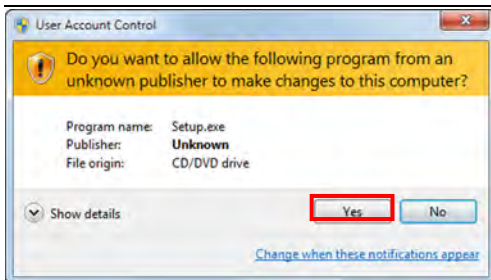
Installation of GigE Vision Filter Driver now completed.

■ Install HXLink Application

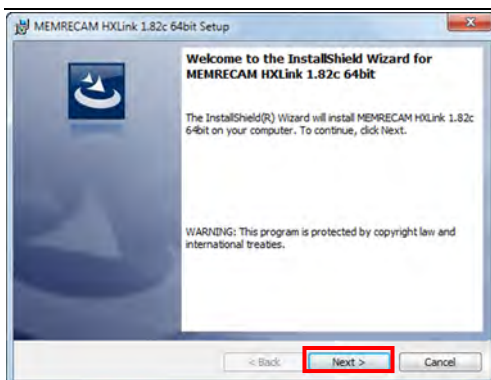


- 1 Displays the launcher by double-clicking the Launcher.exe of HXLink installer.

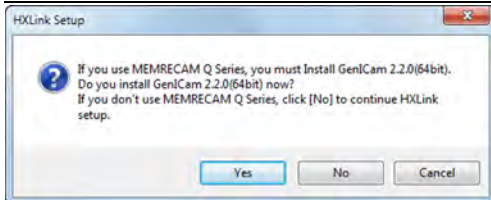
Click the button of HXLink 32bit version / 64bit version to install.



- 2 Click "Yes", and then continue with the installation.



- 3 Upon starting the installation, "Welcome to the MEMRECAM HXLink Setup" appears. Click "Next" to start the installation.

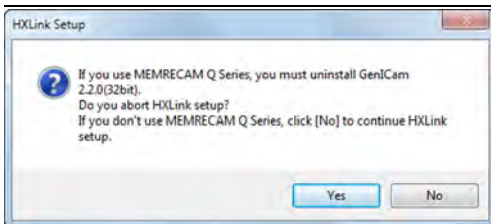


4 When environment for using Q camera is not prepared, the following either warning can be displayed.

- If you do not use Q camera, click “No” and continue HXLink installation

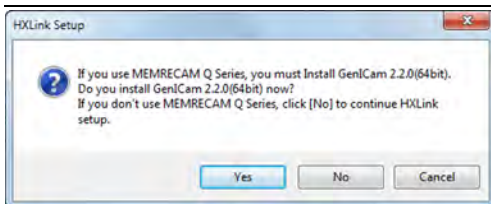
5 Case1: In 32bit OS,

Click “Yes” to install GenICam 32bit. Follow the wizard instructions to finish GenICam installation and continue HXLink installation.



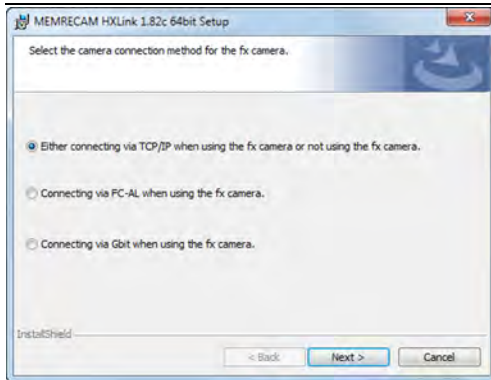
6 Case2: In 64bit OS,

GenICam 32bit is unusable. Click “Yes” to stop HXLink installation and uninstall GenICam 32bit. Refer to 2-24 for details of uninstallation GenICam.



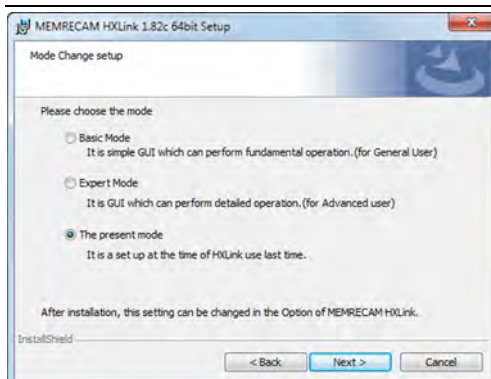
7 Case3: In 64bit OS,

Click “Yes” to install GenICam 64bit. Follow the wizard instructions to finish GenICam installation and continue HXLink installation.



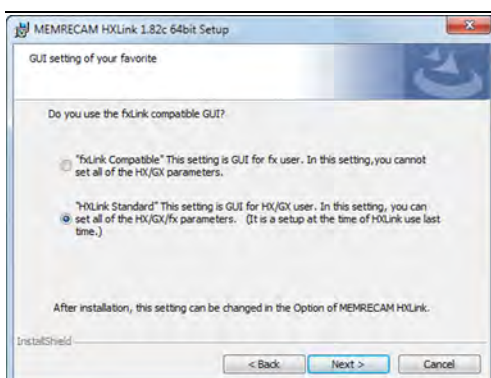
8 Set the fx camera connection method. If not using an fx camera, or if using a TCP/IP connection, simply click "Next".

- If using an fx camera with an FC-AL connection, select "Use fx Camera with an FC-AL Connection" and click "Next".
- If using an fx camera with a Gbit connection, select "Use fx Camera with Gbit Connection" and click "Next".



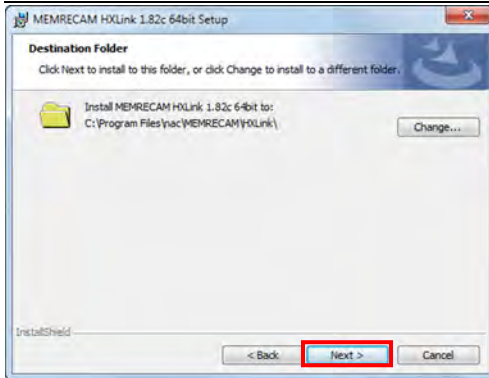
9 Select an HXLink GUI.

- Basic Mode
It is a simple GUI that can be basic operation.
- Expert Mode
This is a GUI that can be detailed setting.
- The present mode
Use the previous settings of re-installation.
※This is not displayed by the first installation.

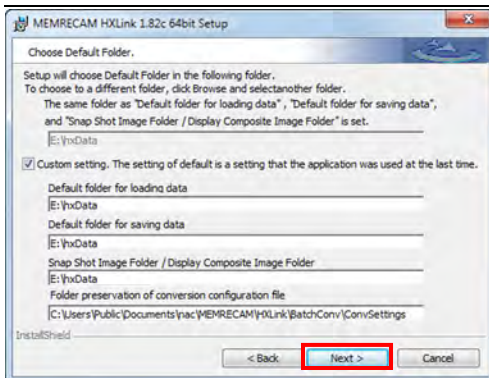


10 Select an fxLink compatible GUI.

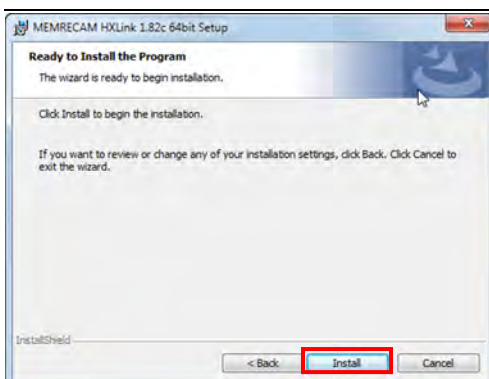
- fxLink Compatible
GUI corresponding to the fx camera. All of the HX/GX/fx/Q camera functions cannot be used.
- HXLink Standard
All of the HX/GX/fx/Q camera functions can be used.



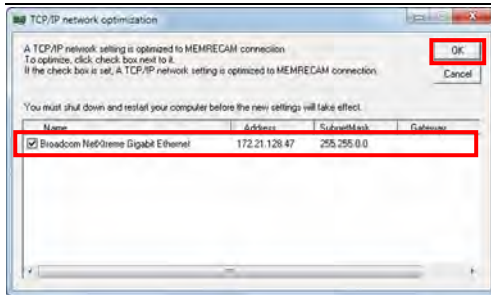
- 11 If changing the drive or folder for installing the program, click "Browse" and set the folder for installing the program. After designating the folder, click "Next".



- 12 Select the previously set folder
- If changing the default settings, click "Browse" and select the folder. After designating the folder, click "Next".
 - When first installing HXLink, settings for the previously set input folder, save folder, snapshot/cross fade display folder are set in the same folders.
 - If updating HXLink versions, the previous settings for each folder can be set individually.
 - Selection of the previously set folders can be changed when executing HXLink.

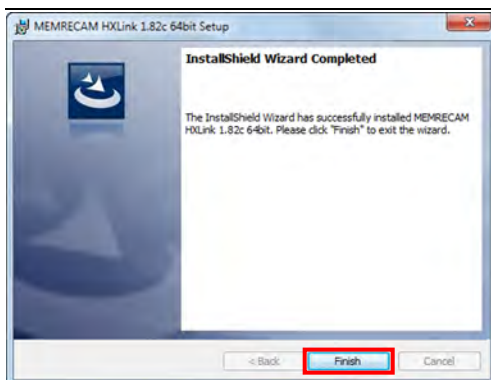


- 13 The installation will start when you click the "Install".

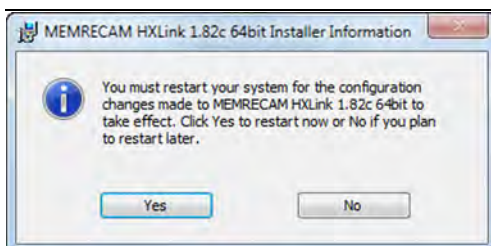


14 This performs "TCP IP Network Optimization"

- If using an Q1m/Q1v, HX, GX or an fx camera connection, check the network and click OK.
- If using only the fx camera FC-AL, click Cancel.



15 Click "Finish" when the dialog for setup complete is displayed.



16 Reboot the computer before using the program.

This completes the installation of the HXLink application.

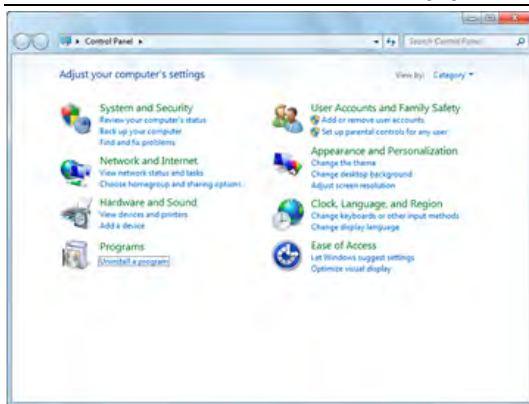
Uninstallation Procedures

Uninstall the MEMRECAM HXLink if not needed.

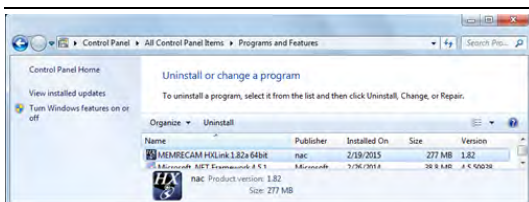
Saved data is not deleted even if HXLink is uninstalled.

An authorized user of the Windows Administrators group should log on.

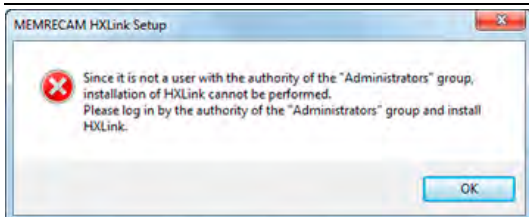
■ Uninstall HXLink Application



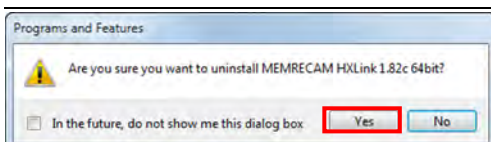
- 1 Click "Programs" and "Uninstall Programs" from the "Control Panel".



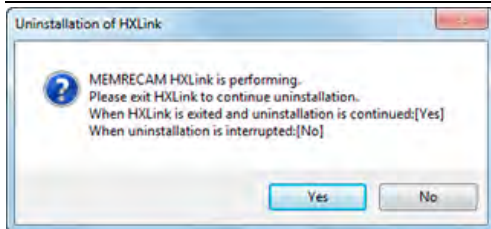
- 2 Select MEMRECAM HXLink from the list and double click. Click "Continue" when the "User Account Controls" GUI is displayed and the "Uninstall HXLink" appears.



- 3 The above message will appear if uninstalled by a user other than one with Administrator authority. Make sure that a user with administrator authority logs on to uninstall HXLink.



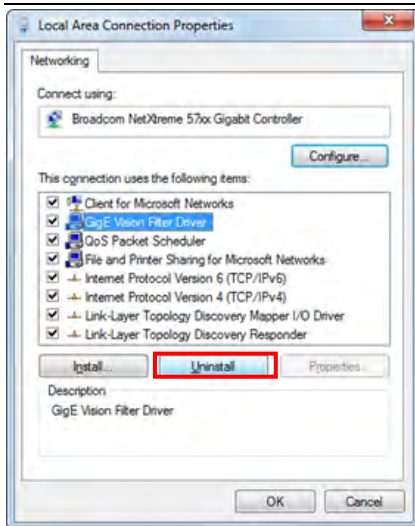
- 4 Once the uninstall starts, a confirmation message appears. Click "Yes" to start uninstallation.



- 5 HXLink cannot be uninstalled if running. The dialog shown to the left will appear if HXLink is running, so follow the instructions to proceed.

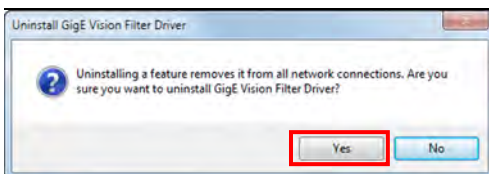
Once the uninstall is complete, the uninstalled program is removed from the "MEMRECAM HXLink" list.

■ Uninstall GigE Vision Filter Driver



- 1 Open “Properties” window for the local area connection.

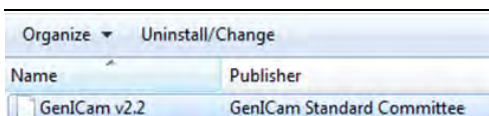
Select “GigE Vision Filter Driver” and click “Uninstall”.



- 2 Click “Yes”.

Then, uninstallation completed.

■ Uninstall GenICam



- 1 Open “Control Panel” and click “Uninstall Programs”.

Select “GenICam v2.2” from program list and double-click.