

QUICK START GUIDE

Installation steps

The following sequence of steps should be followed to install the frame grabber and drivers for your camera.

1. Install Epix software and drivers
2. Install the Framgrabber in an available PCIe x4 (or bigger) slot.
3. Install Epix drivers
4. Configure Epix drivers
5. Install Architector Vision suite and EpixPlugin.
6. Connect the camera
7. Viewing with Architector Vision Suite

1. Install Epix software and drivers

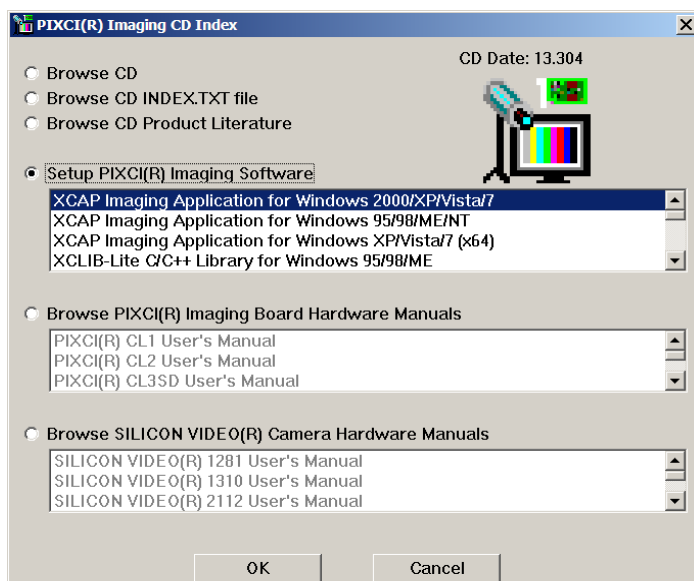
Run the installer for Epix XCAP (xcapwin32.exe).

You can download XCAP from the Epix website: www.epixinc.com

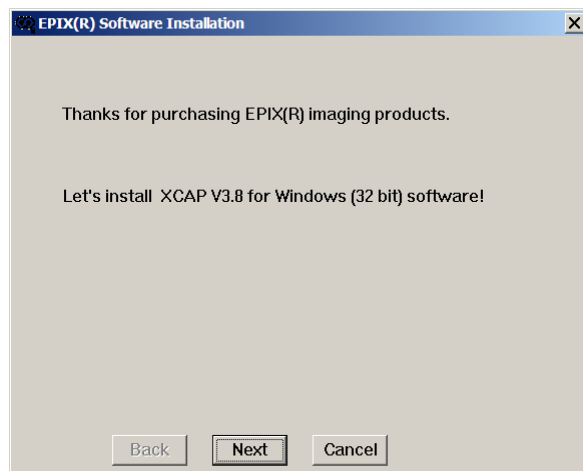
Select the **[Setup PIXCI(R) Imaging software]**

And then depending on your operating software the correct version of XCAP Imaging Application for Windows.

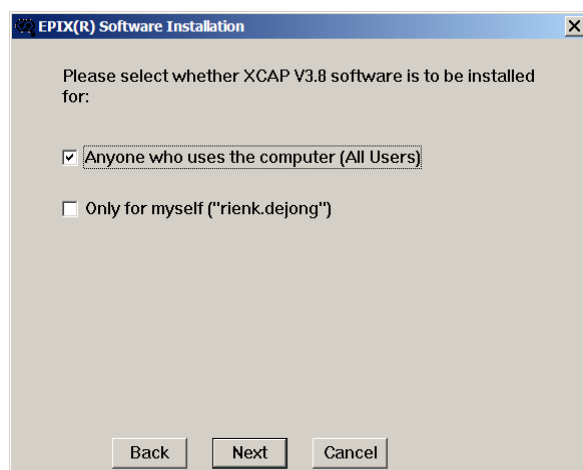
Click [OK] to confirm.



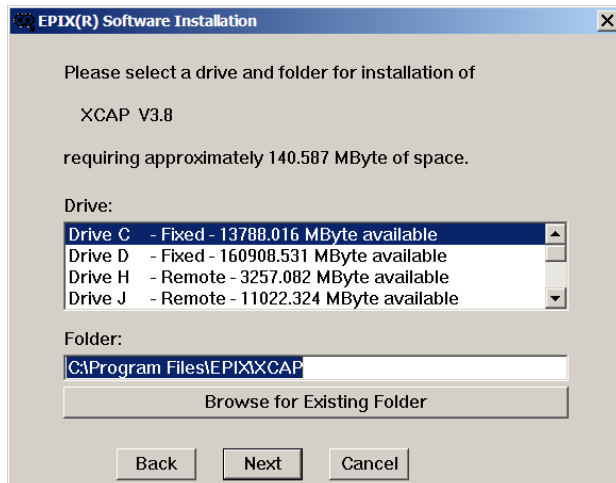
The Epix Software installer will be shown.



Press the **[Next]** button.

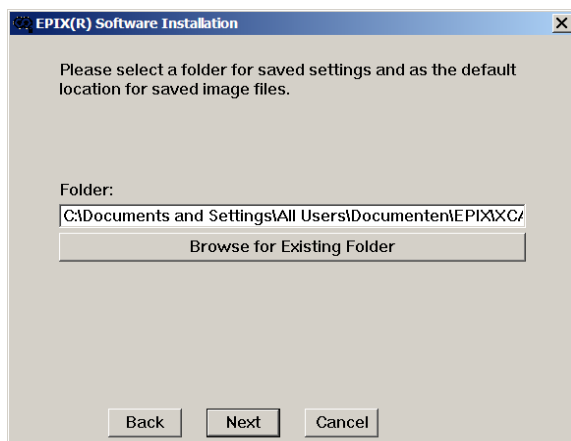


Select for who you want to install the software on this computer (usually All Users) and press the **[Next]** button.



Select the location where the drivers and tools are installed and press the **[Next]** button.

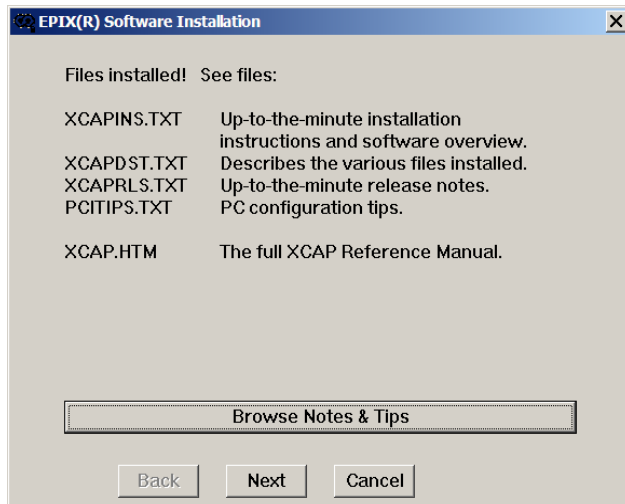
Note: the default location is recommended (C:\Program Files\EPIX\XCAP).



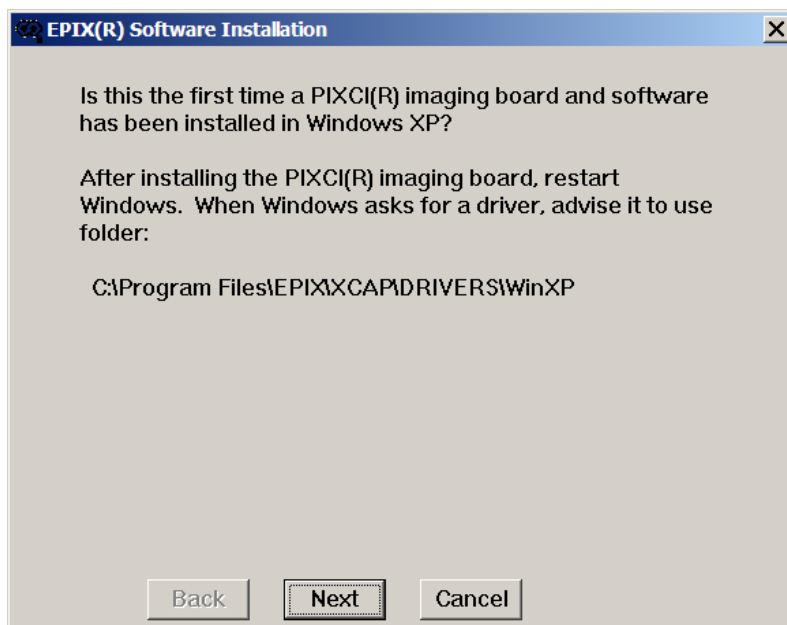
Select the location where the settings are saved and press the **[Next]** button to start the installation process.

Note: the default location is recommended (C:\Documents and Settings\All Users\Documenten\EPIX\XCAP).

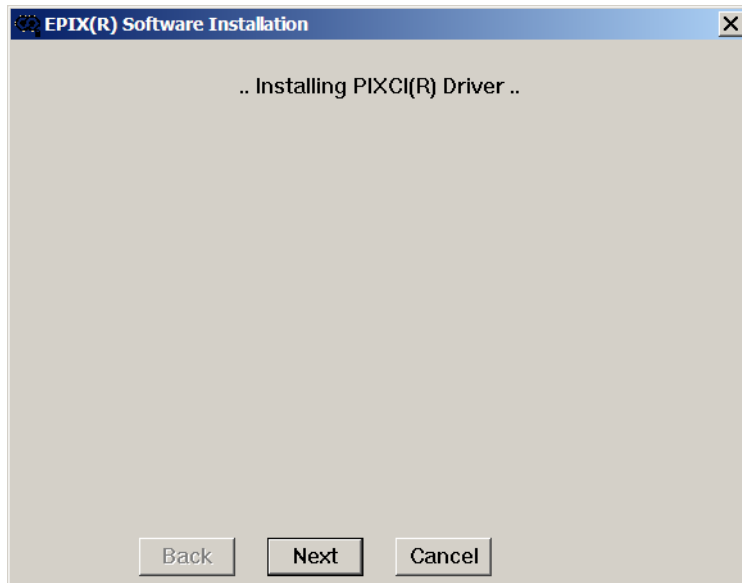
Note: The screenshots have been created on Windows XP. On Windows Vista and later the default location can be different. It is always recommended to use the default location that the installer suggests.



The installation is finished, press the **[Next]** button to continue.



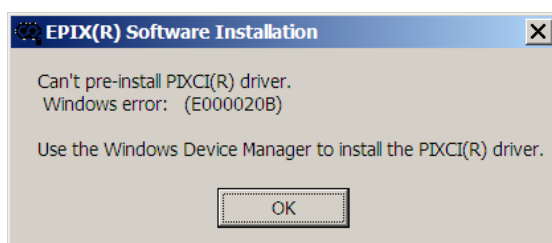
Click **[Next]** to proceed with the driver installation.



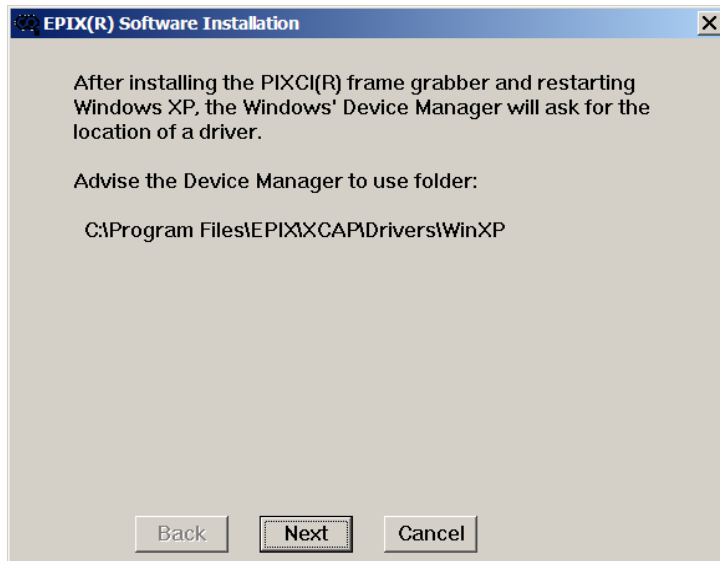
During the installation of the drivers the windows logo test screen can popup.



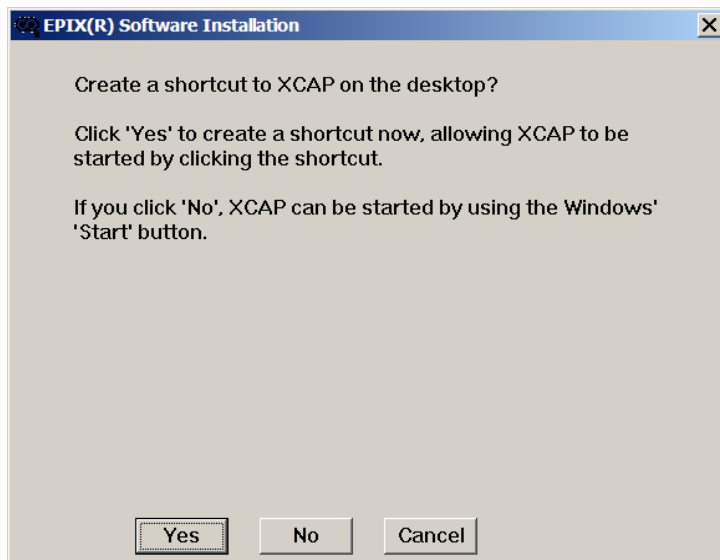
The screen shot above is the Dutch version of the windows logo test warning screen. This will popup during the driver install and explains that the driver has not been tested by Microsoft. Click the [Continue anyway] button to continue with the driver install. This driver is required to be able to use the Epix framegrabber



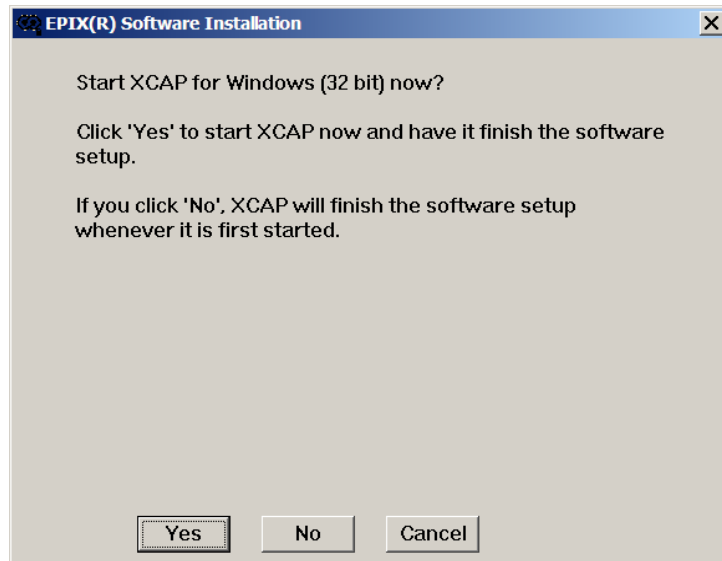
This error is shown because the framegrabber has not been installed in the system.



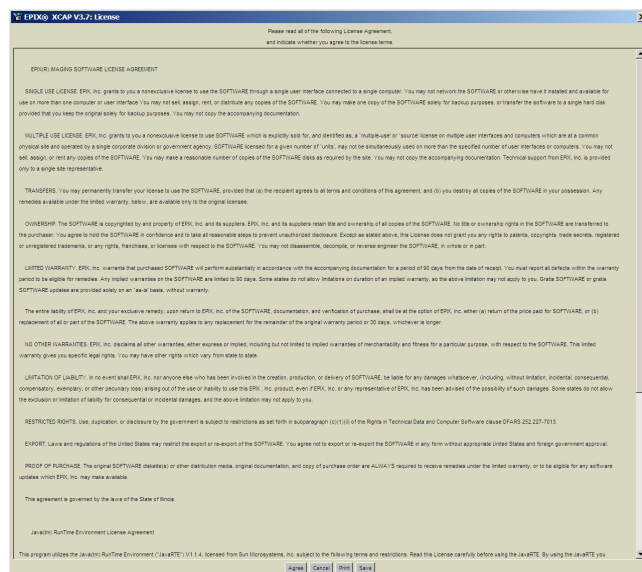
Click [Next] to continue.



Select [Yes] or [No] depending on if you want an icon on your desktop.



Select **[Yes]** or **[No]** to start XCAP or not.



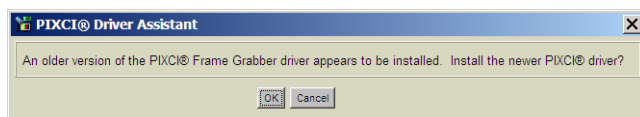
After you have read the license agreement click **[Agree]** if you accept.

Note: to be able to use the software you must agree to the license agreement.

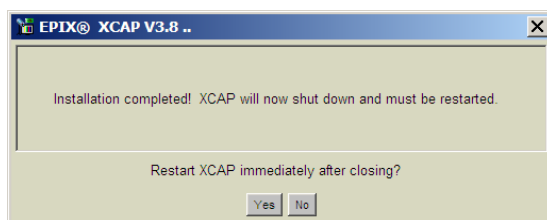


Enter the software ID that is on the pamphlet that has been included with the camera or frame grabber.

Click [Submit]. The lower text field should now say “XCAP-Lite”



If the software asks to install a newer driver click [OK]



Click [Yes] to restart XCAP

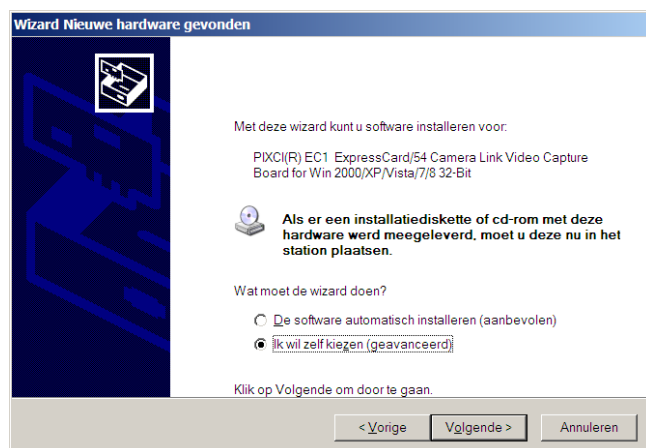
2. Frame grabber installation

Plug the frame grabber in a free PCIe x4, x8 or x16 slots with at least x4 PCIe lanes.

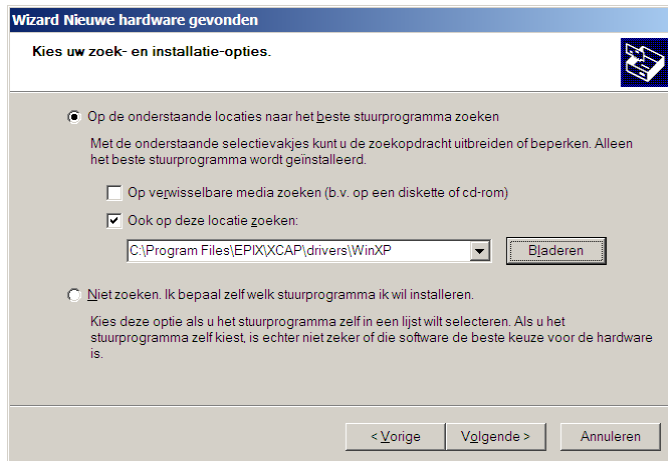
3. Driver installation



When asked if you want to search Windows Update for drivers select [No, not this time]
Click [Next]



Choose [I want to choose (Advanced)] and click [Next].



Click [Browse] to select the location of the drivers where the setup had installed them in the previous step. Click [Next] to continue.



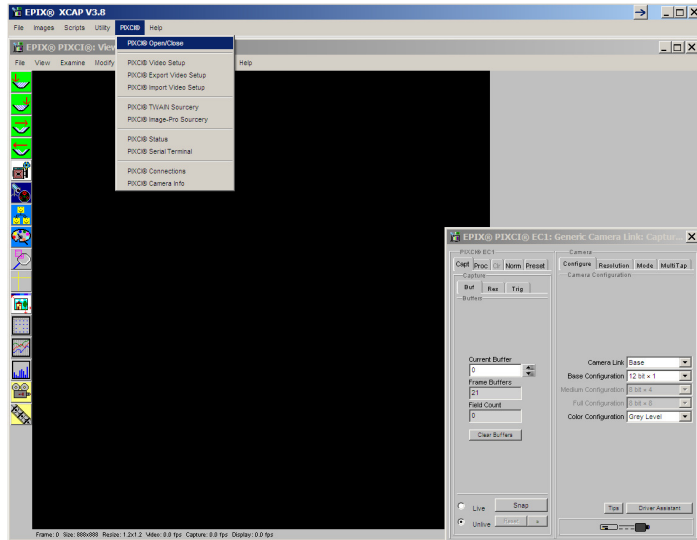
The screen shot above is the Dutch version of the windows logo test warning screen. This will popup during the driver install and explains that the driver has not been tested by Microsoft. Click the [Continue anyway] button to continue with the driver install. This driver is required to be able to use the Epix framegrabber



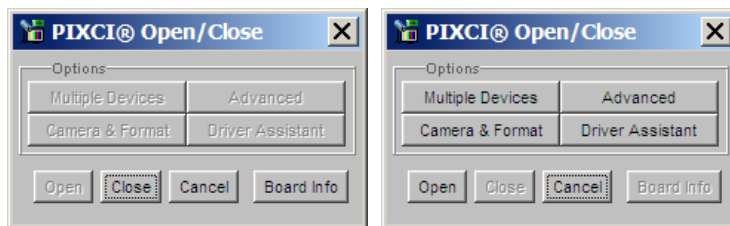
Click [Continue] to close the driver installation wizard

4. Configuring Epix drivers

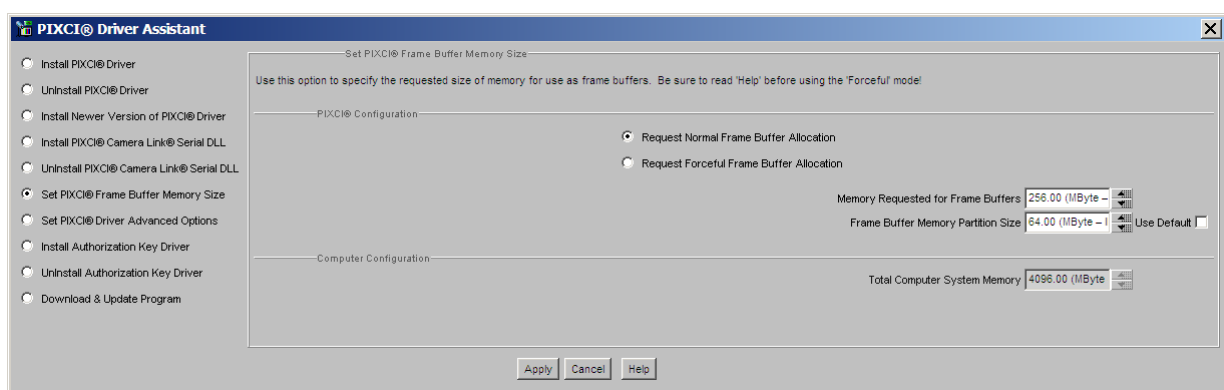
Start XCAP. If you get an error that the driver is not correctly installed you should reinstall the driver through the Windows Device manager.



Open the PIXCI Open/Close window.



Click the [Close] button to close the frame grabber, then click [Driver assistant] to configure the driver.



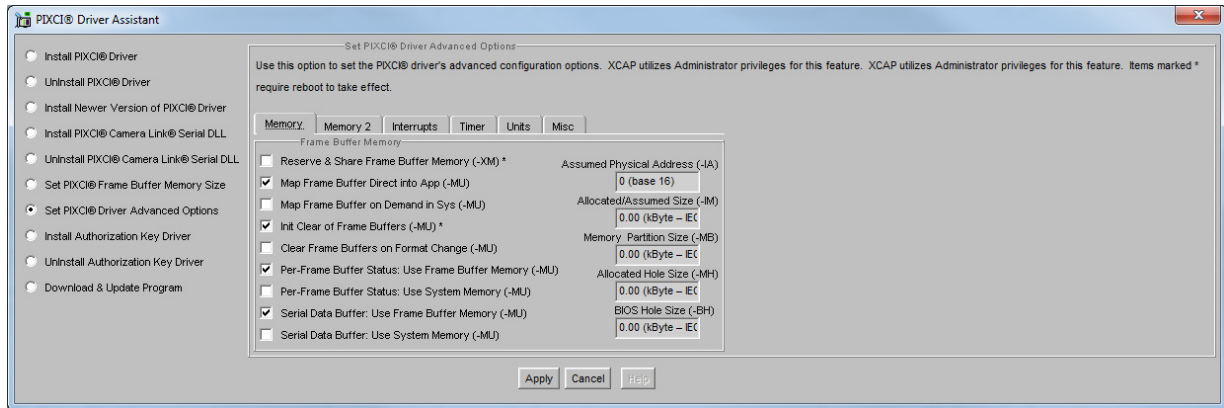
Select [set PIXCI Frame Buffer Memory Size] from the radio button menu on the left.

Set [Memory Requested for Frame Buffers] to 256 MByte

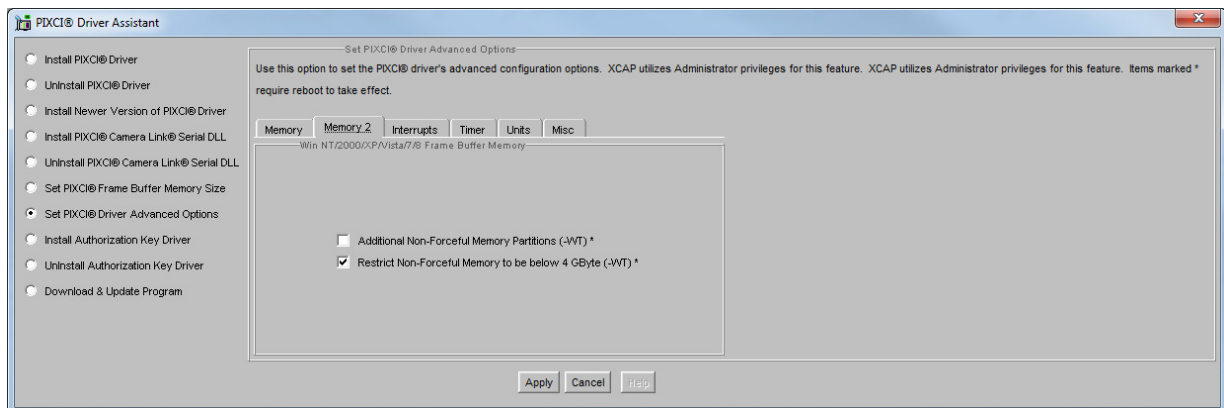
Set [Frame Buffer Memory Partition Size] to 64 MByte

If your computer has less than 2 GByte of memory select [Request Forceful Frame Buffer Allocation].
Read the help when using this option.

On the [Memory] tab of the PIXCI® Driver Advanced Options panel, set [Map Frame Buffer Direct into App].



If you are not using Forceful Frame Buffer Allocation then you should [Restrict the Frame Buffer to be below 4 GByte].



Click [Apply] to confirm the settings.

Click the [Cancel] button to close this window, and click [Cancel] again to close the other window.

Close Epix XCAP, and reboot your computer.

5. Installing Architector Vision Suite

Install Architector Vision Suite using its installer.

Install *Architector Vision Suite* from the included thumb drive.

ArchitectorVisionSuite-*.exe**

Install Epix plugin for Architector Vision Suite:

EpixPlugin-*.exe**

Note that you use the correct plugin variant for the version of the Epix PIXCI driver you installed.

6. Connect the camera

Connect the camera to the frame grabber (see the user's manual of the camera for instructions).

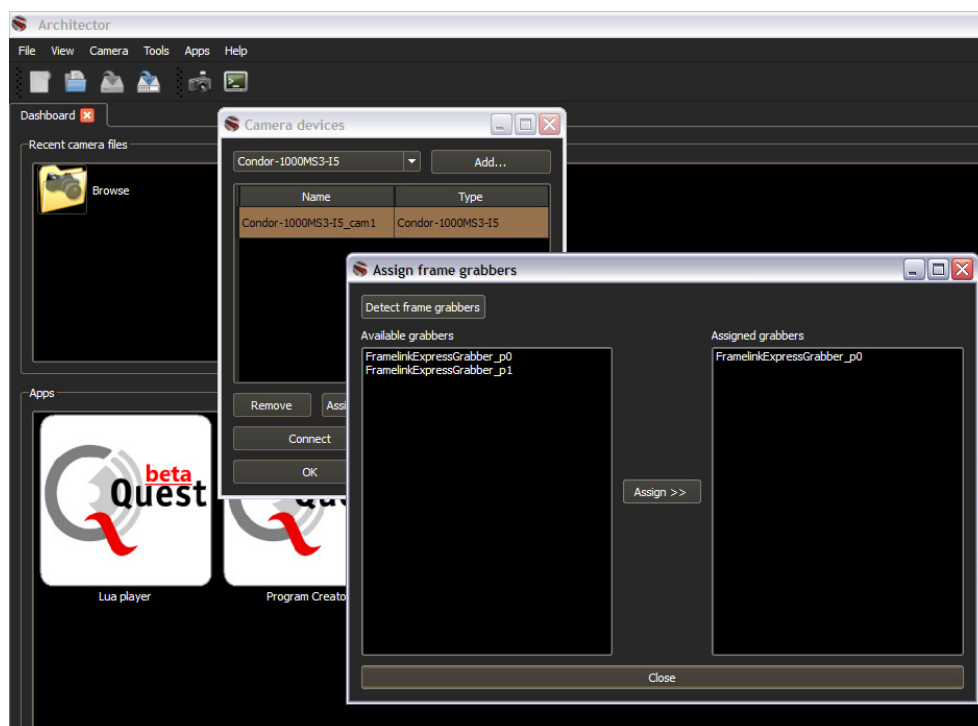
7. Viewing with Architector Vision Suite

See the user's manual of the camera for specific instructions

Select menu item *Camera >> Cameras*.

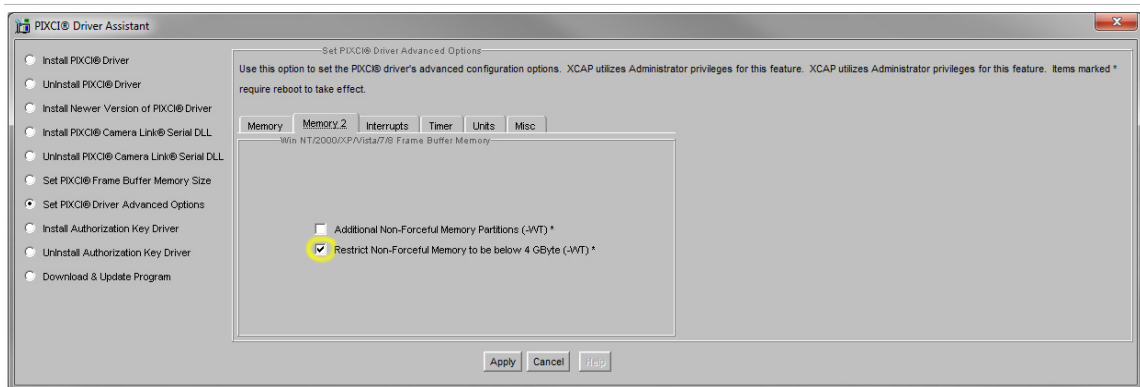
Select the *camera* model and press *[Add...]* button. Type a name for this camera (or accept the default name).

Press **[Assign grabber(s)...]**. A window pops up as shown in the screenshot below. Select the grabber and press the **[Assign >>]** button. Then press the **[Close]** button to close this window.



When no frame grabbers are listed in the list of available grabbers (left side), press **[Detect frame grabbers]**. If the list is still empty (or the expected frame grabber is not listed), check that:

- the camera is connected to the PC
- the camera is powered on
- the network drivers are installed
- the IPort plugin is installed
- The PIXCI Frame Buffer Memory Size must be set. See chapter four and select:



Set PIXCI Driver Advanced Options

In Memory 2 set "Restrict Non-Forceful Memory to be below 4 GByte (-WT)"

Apply and close. Go back to start of Chapter 7.

Close the *Camera devices* window by pressing **[OK]**.

You are now back in the *Dashboard* app. Simply drag the camera from the *currently created cameras* list to the *Image viewer* icon. This will show the *Image viewer* app, with the camera already setup.

Press **[Play]** to view the real-time image stream from this camera.

Global camera settings

Key	Value
ComponentType	Device
Name	Condor3-ICX618-GE{KTP8-NJ6Z}
Output	ImageFifo
PixelMode	8bit
Type	Condor3-ICX618-GE

Sensors

Sony ICX618 - channel 0

Sony ICX618 - channel 0

Sony ICX618 - channel 1

Sony ICX618 - channel 2

ComponentId	0
ComponentType	HWComponent
ExposureTime	60000
FrameGrabber	
Gain	7.2
Id	
Name	Sony ICX618 - channel 0
PhysicalSize::Height	494
PhysicalSize::Width	640
Type	