Window 2000 Operation

SDK selection for Win 2000

We offer the latest SDK for the majority of applications mainly in Window XP environment. However, for the backward compatibility in the field, Window 2000 and Fast Ethernet are also supported.

For this purpose, Pleora maintains SDK 2.3.0 and 2.2.0 in parallel. The major difference is e-Bus driver and GigE Vision compliance in SDK 2.3.0.

SDK 2.2.0 does not support GigE Vision but it works with the High Performance Driver and Universal Filter Driver in GigE (1000 BaseT) and Fast Ethernet (100 BaseT).

For users still using Window 2000, both Gevicam and Pleora provide SDK 2.2.0 (SP4).

Installing SDK 2.2.0 to Win 2000

The installation of SDK is the same as SDK 2.3.0 Please refer High Performance Driver installation to GP series manual.

In this Tech-Note, we will use the Filter driver installation in **Fast Ethernet adaptor card** (NIC).
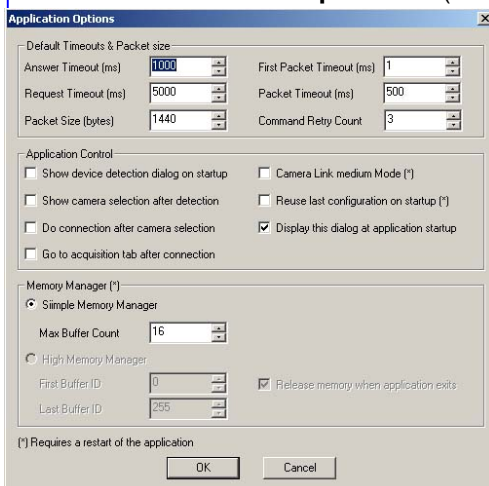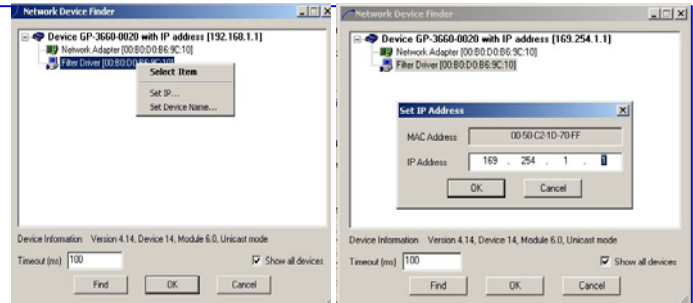
When camera and PC is connected Coyote application opens as shown. Make sure "Packet size" is set at 1440 and "First Packet Timeout" is more than 1 (ms).

Device Finder and Change IP Address

Next, Device Finder dialog appears and indicates the adaptor connection. It may take a minute to find the connection. IP address may not be correct at first time.
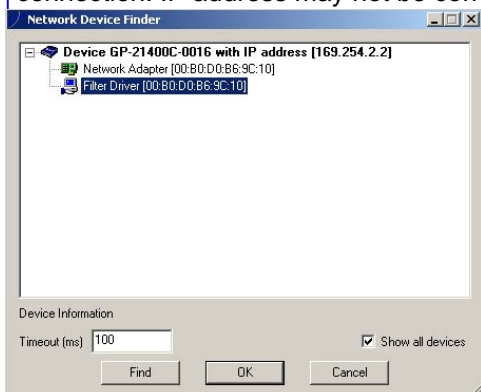
You can change IP Engine Settings with new IP Address by right-clicking the driver. For GP series of cameras, it needs to be **169.254.xx.xx.** Then click OK

and proceed.

In the High Performance Driver, NIC IP address and IP Engine does not have to match to connect the device.

Coyote application

Coyote application dialog opens. Make sure "Camera Link camera" is selected in "Select Camera" and press "Test". It will connect and "Status" changes to "Device connected". If you see error message saying "Cannot connect the Socket", it indicates the IP address is not correct. Make sure the left two segments are 169.254. Last two segments are arbitrary. So, you can use your own numbers.

If the camera is connected to a specific PC, it is good practice to save the new IP address configuration to flash for next power up.

Flow Control

For Fast Ethernet, the data flow control must be changed form the default.

Open "Configuration" and "Device Features" tab. Change values as shown. (Inter Packet Delay:10, Data rate:10,000,000 and Link speed: 100 Mbit) Click OK and go to "Acquisition" in Coyote application to grab images.

GEViCAM: A GigE Vision Camera Company