

#### 4. Software Upgrade from Web Site

New application and/or driver software may be released periodically to reflect improvements and/or functionality added to the LYNX GigE camera. You can retrieve these updates by visiting the download page of our web site at <http://www.imperx.com/support/downloads.php>.

Use the following steps to install newly released application software:

- 4.1 Uninstall all application and driver files by following the instructions in step 1.
- 4.2 Download the LYNX\_GigE\_x\_x\_x.exe file (x represents the revision) from the Imperx web site to a new folder on your PC (we will use the folder C:\new\_LYNX.GigE as an example).
- 4.3 Left mouse click on “Start”, “Run” then enter or browse to “C:\new\_LYNX\_GigE\ LYNX\_GigE\_x\_x\_x.exe”.
- 4.4 Wait for the “LYNX GigE - InstallShield Wizard” screen to appear.
- 4.5 Follow the on-screen instructions, and the installation procedure as described in step 2.
- 4.6 When finished two new icons will appear on the desktop, one for “LYNX GigE Application” and one for “LYNX Terminal”.

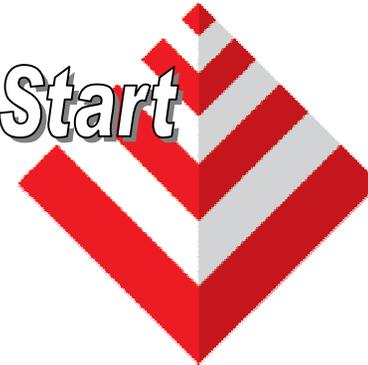
#### Driver, Software and SDK Documentation

For a detailed description of the high performance driver and driver installation, please refer to “LYNX GigE Driver Manual”

For a detailed description of the LYNX GigE Application software, please refer to the “LYNX GigE Software User’s Manual”.

For a detailed description of the function calls supported by the SDK, refer to the “LYNX GigE C++ SDK Reference Guide”

# Quick Start



## LYNX GigE Software Installation

This guide explains how to install the LYNX GigE software..

#### Software Suite

The LYNX GigE software suite consists of the following files and folders:

Windows XP and 2000 application files:  
( located in C:\Program\_Files\Imperx\LYNX GigE\Binaries )

LYNX Terminal executable files:  
(located in C:\Program\_Files\Imperx\LYNX GigE\LYNX Terminal )

Documentation files:  
( located in C:\Program\_Files\Imperx\LYNX GigE\Documents\ )

SDK files  
(.located in: C:\Program\_Files\Imperx\LYNX GigE\Includes;  
C:\Program\_Files\Imperx\LYNX GigE\Libraries;  
C:\Program\_Files\Imperx\LYNX GigE\Samples

**1. If a version of LYNX GigE was previously installed on this machine, then you must first remove it:**

- 1.1 Left mouse click on "Start"
- 1.2 Left mouse click on "Settings".
- 1.3 Left mouse click on "Control Panel".
- 1.4 Double left mouse click on "Add or Remove Programs".
- 1.5 Left mouse click "LYNX GigE Software".
- 1.6 Left mouse click on "Remove".
- 1.7 Left mouse click on "Yes".
- 1.8 Left mouse click on "Close".
- 1.9 If the 'LYNX - InstallShield Wizard' pops-up:
  - Left mouse click on 'Remove'.
  - Click 'Next'.
  - Click 'Yes'.
  - Click 'Finish'.

**2. Software Installation from CD**

- 2.1 Insert the LYNX GigE CD into the appropriate drive; the setup.exe file will run automatically. Note: If it does not start automatically, left mouse click on to "Start", "Run", enter or browse to "(CD drive): LYNX\_GigE\_x\_x.exe" and click "OK".
- 2.2 Wait for the "LYNX GigE – InstallShield Wizard" screen to appear.
- 2.3 Follow the on-screen instructions.
- 2.4 When the install is finished, select "Yes, I want to restart my computer now".

**3. NIC Hardware/Driver Installation and IP Configuration**

- 3.1 Install the NIC card in the computer per the manufacturers instructions.
- 3.2 Follow the manufacturers instructions to install the driver.
- 3.3 Universal Filter Driver Installation:**
  - 3.3.1 Open the "Network Connections" dialog from the Windows Control Panel.
  - 3.3.2 Right click on the NIC card's connection and click on the "Properties" item.
  - 3.3.3 Click on the "Install..." button.
  - 3.3.4 Select the "Service" item and click the "Add..." button.
  - 3.3.5 Click the "Have Disk..." button and browse to the "c:\program files\Imperx\LYNX GigE\Drivers\Windows 2000" folder.
  - 3.3.6 Select "netFilter" and click "Open".
  - 3.3.7 When asked for the network service to install, click on "IPEngineFilter" and click "OK".
  - 3.3.8 Click "Yes" or "Continue Anyway" to any "Digital Signature Not Found" dialogs.
  - 3.3.9 When the installation is complete, you will be back in the Local Area Connection Properties dialog. Click "Close".
  - 3.3.10 Reboot the computer.

**3.4 IP Configuration Procedure:**

- 3.4.1 Open the "Network Connections" dialog from the Windows Control Panel.
- 3.4.2 Right click on the NIC card's connection and click on the "Properties" item.
- 3.4.3 Highlight the "Internet Protocol (TCP/IP)" item and click the "Properties" button.
- 3.4.4 Select the "Use the following IP address" button.
- 3.4.5 Enter "169.254.x.1" into the "IP address" field. Note that "x" should be different for each NIC card.
- 3.4.6 Enter "255.255.0.0" into the "Subnet mask" field.
- 3.4.7 Click "OK".
- 3.4.8 Click "Close" to exit the "Local Area Connections Properties" dialog.

**3.5 Enabling Jumbo Frames:**

- 3.5.1 Open the "Network Connections" dialog from the Windows Control Panel.
- 3.5.2 Right click on the NIC card's connection.
- 3.5.3 Click on the "Properties..." button.
- 3.5.4 Click on the "Configure..." button.
- 3.5.5 Click on the "Advanced" tab.
- 3.5.6 In the "Property:" list box, select "Jumbo Frame".
- 3.5.7 In the "Value:" box, select the largest MTU value available or select "Enable".
- 3.5.8 Click "OK".
- 3.5.9 Reboot the computer.