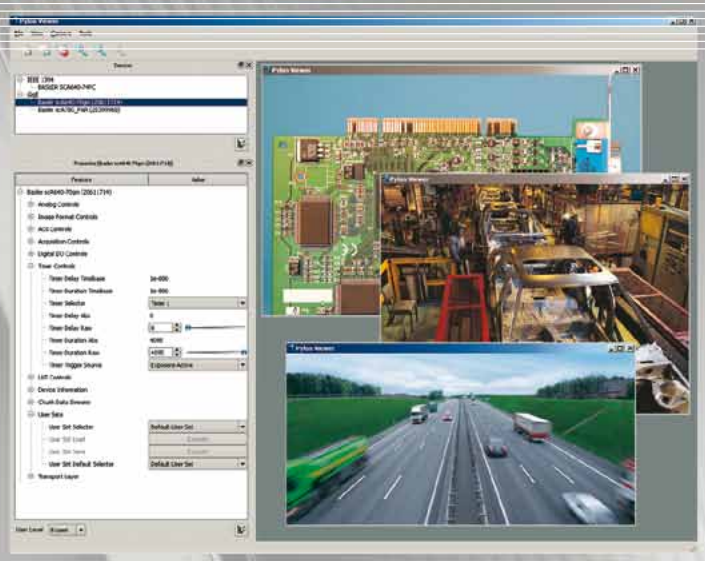
Basler pylon

Download the full pylon SDK at www.baslerweb.com



The pylon Driver Package – Capture More Than an Image

Description

The pylon driver package is designed to operate all Basler cameras that have an IEEE 1394a[1], an IEEE 1394b[1], or a GigE Vision[2] interface. You can select the interface with the best fit or use multiple interface technologies simultaneously in your application.
The pylon drivers offer reliable, real-time image data transport into the memory of your PC at a very low CPU load.

The integration of the interface technologies into your application is a one time only process. The unified camera API of the pylon driver package lets you control Basler's IEEE 1394 and Basler's GigE Vision cameras via the same commands. The internal architecture of pylon is based on GenICam[3] standard, which offers you immediate access to the newest camera models and the latest camera features.

[1] see www.1394ta.org
[2] see www.machinevisiononline.org
[3] see www.GenICam.org

Your benefits include:

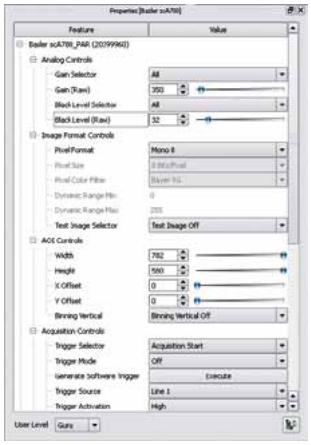
- High bandwidth data transfer into the memory of your PC at a low CPU load
- Simultaneous GigE Vision and IEEE 1394b interface support
- Unified camera API for VB6, C, C++, C# and VB.NET for all supported interfaces
- GenICam technology provides flexible support for new camera features
- A viewer for configuring your single or multiple camera setup and for capturing live images

BASLER VISION TECHNOLOGIES

The pylon GigE Vision Performance Driver quickly separates incoming packets carrying image date from other traffic on the network and needs only the lowest amount of CPU resources to make the data available for your vision applications.
The performance driver can be used with specific Intel network adapter cards. The pylon GigE Vision Filter Driver supports many kinds of hardware including all common GigE network adapter cards and GigE ports on your mother board as well. The pylon IEEE 1394b driver gives you access to a well established interface technology, but with double the bandwidth of IEEE 1394a.

The pylon Viewer provides a versatile application for testing and evaluating Basler cameras. The new tree structure of the viewer's graphical user interface lets you easily find the best camera parameter setup, adjust image quality, and control advanced camera features.

Documentation and code sample programs for MS Visual Studio and Borland will minimize your learning time for the pylon driver package.



Components included in the pylon driver package:

- GigE Vision Filter Driver
- GigE Vision Performance Driver
- IEEE 1394a/1394b Driver
- Camera Link Configuration Driver */**
- pylon Camera API for VB6, C, C++, C# and VB.NET *
- pylon DirectX adapter
- pylon TWAIN adapter
- Various adapters for 3rd party software image processing libraries
- pylon Viewer and IP Configuration Tool
- Source code samples for MS Visual Studio and Borland *
- Programming guide and reference documentation

System requirements:

- Windows XP, Windows Vista and Windows7(*); 32 or 64 Bit
- Linux (for GigE Vision); Kernel 2.6; 32 or 64 Bit
- Gigabit Ethernet or IEEE 1394 support
- Frame grabber card for Camera Link Support */**
- 150 MB RAM for the SDK

* Available Q1/2010 ** For Basler aviator only

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