

GigE SDK 1.18 – Release Notes

Additions

- New supported platform
 - Mac OS X (10.4 and up) for x86, ppc and x64
- Filter Driver
 - Vista x64 support (Signed driver)
- New sample code (for all supported platforms):
 - *HardTrigger*, shows how
- New API wrapper (for Windows, Linux and Mac OS X)
 - *Java* wrapper and samples code
- New attributes (limited to Firmware 1.32 and higher, specific to cameras that support set feature):
 - *GainAutoMin*
 - *GainAutoMax*
 - *GainAutoTarget*
 - *GainAutoRate*
 - *GainAutoOuliers*
 - *GainAutoAdjustTol*
 - *GainAutoAdjustDelay*

Changes

- To the sample code *SampleViewer* (in Windows):
 - Modified to be compatible with Visual Studio 2005
 - Moved the automatic packet size adjustment from the opening of the camera, to the start of the live view, in order to work-around a Vista issue.
- API functions *PvRegisterRead()* and *PvRegisterWrite()* performance was improved when used to read or write from multiple registers.

Issues resolved

- NDIS Filter driver was dropping packets in some particular conditions

Notes

- Java

The Java folder contains a JNI interface to PvAPI, plus a set of samples. You will need to use the build.xml file located in each subdirectory to import the project within *Eclipse*. Each of the following samples: *JListAttributes*, *JListCameras*, *JSnap*, *JStream*, *JThread*, *JThread3* need to

have *PvJPI* in its build path. For convenience, the JNI dynamic library has been built and placed in the *bin-pc* folder. Each of the Java samples need in its Run/debug settings to have the following added to its VM argument: `-Djava.library.path=/path/to/the/SDK/bin-pc/x86`. The working directory will also have to be `/path/to/the/SDK/bin-pc/x86`.

- Mac OS X

A route for 255.255.255.255 **must be** added to point to the adapter that will be plugged to the camera (or to the switch on which the camera will be). This can be done with the following command to be entered from within a Terminal:

```
> sudo route -n add 255.255.255.255 169.254.42.97
```

Where 169.254.42.97 is the IP (self-assigned or assigned by you) of the adapter on which the camera (or the switch) is plugged.