



Software drivers for Image Acquisition systems

A broad range of software drivers for popular image acquisition devices is available for the Aphelion™ System. These optional drivers enable users to capture live images when using any of the hardware devices listed below, controlling that process with the Aphelion™ software environment.

These software drivers are divided in three categories: Standard Interfaces, Frame Grabber Boards, and Proprietary Systems. These are described below. Contact your local representative for details and availability of specific drivers.

DRIVERS FOR STANDARD INTERFACES

The following drivers are available to interface the Aphelion™ system to input devices having standard interfaces, such as video and digital cameras, scanners, low-cost video systems, without using any additional hardware. Aphelion™ drivers are available for the following standard interfaces:

- Firewire® (Fully compliant with the IIDC 1394 Digital Camera specifications version 1.31 as published by the 1394 Trace Association)
- Windows® Driver Model (WDM)
- Twain®
- Video For Windows® (Used to interface to USB® devices.)

DRIVERS FOR FRAME GRABBER BOARDS

A full range of drivers is available to interface the Aphelion™ system with a frame grabber board. These drivers provide optimized control of an image capture from within the Aphelion™ system. Many frame grabber boards from Dalsa, Data Translation, Euresys, IDS, Integral Technologies, Matrox, MuTech, and others, are supported. Contact your local representative for details and availability of specific drivers.

DRIVERS FOR PROPRIETARY SYSTEMS

Some cameras that are provided with proprietary hardware interface boards are also supported by Aphelion™ drivers. Supported cameras systems include certain products from Allied Vision Technologies, Diagnostic Instruments, Imaging Source, PCO, and others. Contact your local representative for details and availability of specific drivers.

Aphelion™ Optional Drivers:

- Support a broad range of cameras (b/w, color, analog, digital, hi-resolution, slow-scan, progressive, low-sensitivity, infrared).
- Provide user control of camera parameters for capturing live images from within the Aphelion™ graphical user interface
- Enable easy integration into a stand-alone application written in VC++® or VB®