

PHX SDK

Software Development Kit



- SDK for the FireBird and Phoenix series of frame grabbers
- Allows rapid system development and integration
- Provides an easy to use interface with in-depth control

FEATURES

- Supports Camera Link, CoaXPress and HD-SDI camera interfaces.
- Comprehensive library functions and documentation.
- Supported environments include 32 bit and 64 bit Windows and Linux as well as Mac OS X and QNX.
- Common API across all supported operating systems.
- Comprehensive suite of C, C++ and C# example applications with full source code.
- GenICam and NVIDIA GPUDirect for Video examples provided.
- Support for running 32 bit applications in a 64 bit environment.
- Libraries are supplied as Windows dynamic link libraries (.dll), Linux shared object (.so) libraries and Mac OS X Frameworks.



OVERVIEW

The **PHX Software Development Kit** is designed for OEMs and integrators using FireBird or Phoenix frame grabbers. Comprehensive example applications are included along with optimized libraries for a variety of operating systems (see next page). The API (application programming interface) is consistent across all operating systems and hardware platforms allowing easy migration.

The **PHX Software Development Kit** contains the following core components:

- PHX Library (PHX) – provides setup, acquisition and control features.
- Active Display Library (ADL) – allows captured buffers to be displayed easily.
- Active Image Processing Library (TMG) – provides image file open/save, image format conversion (e.g. Bayer to RGB), JPEG compression and other image processing functions.

The core libraries provide a highly optimised, efficient and reliable environment for the development of very high speed and demanding image applications.

Comprehensive documentation is provided for all parts of the SDK, including Developer's Guides, and application examples with full source code.

The price of the SDK includes 1 year's support. Further maintenance and support is available at a nominal yearly charge, which includes software upgrades and technical support.

SUPPORTED DEVELOPMENT ENVIRONMENTS

- Windows 10, Windows 8/ 8.1, Windows 7 SP, (32 bit and 64 bit for all versions) – support for Visual Studio.
- Linux (32 bit and 64 bit) – GNU Compiler Collection (relevant to particular Linux distribution).
- Mac OS X v10.10 (“Yosemite”) and above – Xcode 7.
- For QNX Neutrino RTOS v6.3.2 and above – QNX Software Development Platform (SDP) v6.6.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
AS-PHX-SDK-WIN	Software Development Kit for Windows (32 bit and 64 bit) operating system.
AS-PHX-SDK-LIN	Software Development Kit for Linux (32 bit and 64 bit) operating system.
AS-PHX-SDK-MAC	Software Development Kit for Mac OS X operating system.
AS-PHX-SDK-QNX	Software Development Kit for QNX operating system.

THE FIREBIRD & PHOENIX RANGE

- CoaXPress frame grabbers, including single, dual and quad CXP-6 support.
- Camera Link frame grabbers, including 80 bit (Deca) and dual-80 bit support.
- SDI and HD-SDI frame grabbers.



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