Pixelink Software Development Kit (SDK)

Full API Control of Pixelink Cameras for Developers and System Integrators

Fast and Easy Interface

The Pixelink SDK provides access to the full Application Programming Interface (API), sample applications with complete source code, wrappers for 3rd party controls such as LabVIEW, as well as full documentation.
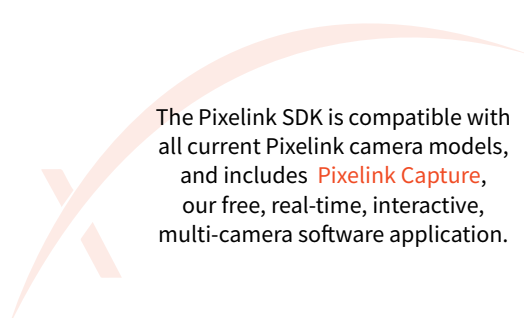
The SDK is compatible with Visual Basic, Visual C and Visual C++ on Windows™ (32-bit and 64-bit) and Linux Ubuntu (32-bit and 64-bit desktop versions) platforms.

With the Pixelink SDK, developers can integrate Pixelink cameras into their custom applications with ease. The API can be used to query and control the feature set supported by the Pixelink camera. The SDK also provides an API function call logging mechanism, which shows the sequence of API calls used and their parameter values to assist application developers.

The Pixelink SDK is compatible with all current Pixelink camera models, and includes Pixelink Capture, our free, real-time, interactive, multi-camera software application.

Supported Platforms

- » Windows 7 (32 and 64-bit)
- » Windows 8 (32 and 64-bit)
- » Windows 10 (32 and 64-bit)
- » PC Ubuntu 14.04/16.04/18.04 (64-bit)
- » ARM Ubuntu 14.04/16.04/18.04 (32 and 64-bit)

Pixelink Capture Software Included

The SDK includes Pixelink Capture, an application that controls all camera functions and demonstrates camera performance. More than 50 sample applications explaining common uses and procedures are included with the SDK.

Pixelink Capture also acts as a camera configuration utility and provides access to camera features that may not be available with standards-based camera definition such as USB3 Vision, GigE Vision, or DCAM (IIDC) based software packages.

Powerful Interface

- » Powerful, Easy-to-use Interface
- » Generic Command Set
- » Fast and Flexible Access to Streaming Video
- » Trigger and I/O controls
- » Capture and Save Images and AVI Video Clips
- » 50+ Sample Applications
- » Compatible with the Latest Development Platforms Including Microsoft's .NET

SDK Features

Software Compatibility

- » .NET (C#, VB.Net, etc.)
- » C
- » C++
- » Visual Studio 2003 and above
- » Python

Drivers

- » USB3 Vision
- » GigE Vision
- » 1394/IIDC (DCAM)
- » Direct Show
- » TWAIN Support
- » USB 2.0

3rd Party Support

- » LabVIEW
- » MATLAB
- » HALCON
- » Norpix
- » Matrox
- » USB3 Vision compliant software

Free Technical Support for SDK

- » Knowledge Base on Pixelink.com
- » Free Software Upgrades
- » Personal Assistance from our Experienced Support Team

API Function Categories

- » Detect Cameras
- » Initialize/Uninitialize Cameras
- » Identify Cameras
- » Get/Set Cameras Features
- » Load/Save Camera Settings to Camera
- » Video Stream Controls
- » Set Overlay Callback Functions
- » Preview Window Controls
- » Image Capture and Format Controls
- » Error Reporting
- » Frame Grabbing
- » Trigger and GPO Controls
- » Timing and Performance Functions

Pixelink Capture Controls

- » Image Enhancement
- » Lookup Table
- » Region of Interest Controls
- » Autofocus Control for Varioptic Liquid Lenses
- » Autofocus and Zoom Controls for Navitar Lenses
- » Autofocus Controls for Edmund Cx Lenses
- » Measurement Tools
- » Trigger and GPO Controls
- » Callback Function Examples
- » Image Capture
- » Video Capture
- » On Camera High Dynamic Range Control (HDR)
- » Image Histogram

Contact Pixelink To Purchase the Software Development Kit (PL-SW-SDK)

Phone

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Email

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- » Upon purchase of the SDK you will receive a license key serving as a corporate wide license for all operating systems.
- » Lifetime application support and software updates for all SDK versions are included with your purchase.
- » Visit pixelink.com to download a free 30-day trial version today.