PixeLINK Software Development Kit (SDK)

Providing full control of all camera functions, the PixeLINK Software Development Kit is the software package of choice for developers and system integrators integrating PixeLINK cameras into their applications.
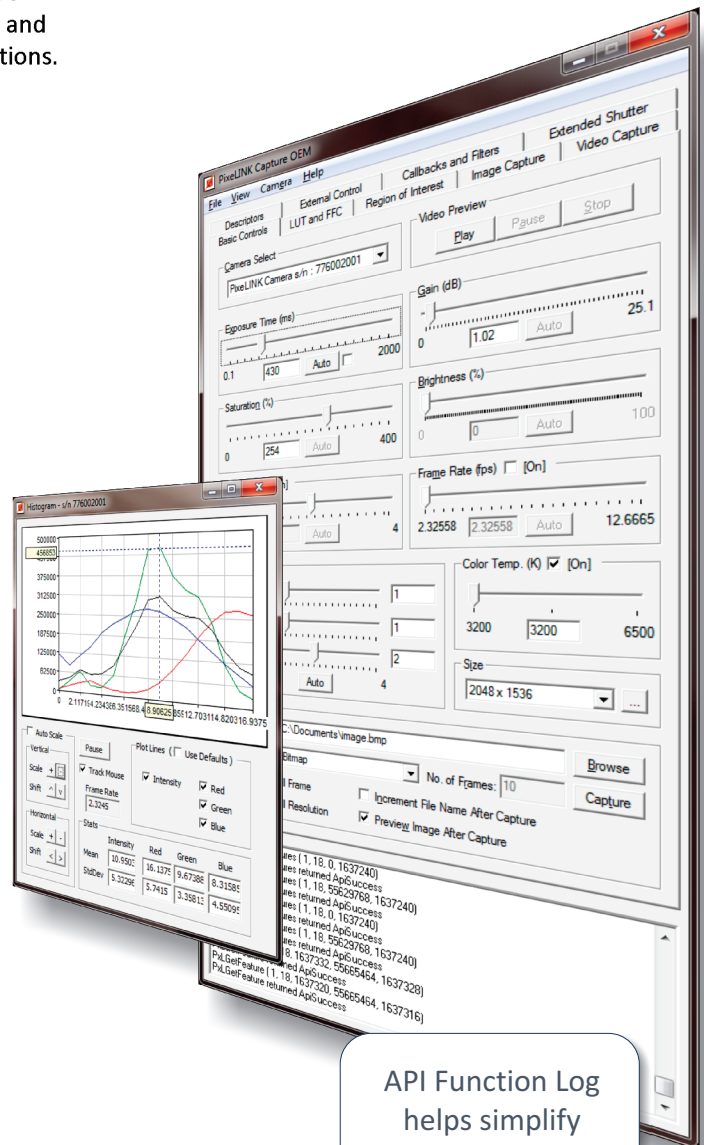
Fast and Easy Integration

The PixeLINK SDK provides access to the full PixeLINK Application Programming Interface (API) and provides sample applications with full source code, wrappers for a number of 3rd party controls such as LabVIEW and full documentation. The SDK is compatible with Visual Basic, Visual C and Visual C++ on Windows™ XP (32-bit and 64-bit) and Vista (32-bit and 64-bit) 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 any PixeLINK 4.0 camera. Integration is simple and fast.

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

The PixeLINK SDK includes PixeLINK Capture OEM, an application that controls all camera functions and demonstrates camera performance. More then 50 sample applications explaining common uses and procedures are included with the SDK. PixeLINK Capture OEM also provides an API function call log that shows the sequence of API calls used and the parameter values any time a control on the GUI is accessed.

> API Function Log helps simplify development

Free Technical Support

PixeLINK also supplies full technical support for the SDK. The support includes access to our knowledge base on the PixeLINK website, free software upgrades and personal assistance from our experienced support team.

- **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**
- **Free technical support**
- **50+ sample applications**

Features

System Requirements
- Windows XP with SP3 (32 and 64-bit)
- Windows Vista (32 and 64-bit)
- Windows 7 (32 and 64-bit)

Software Compatibility
- .Net (C#, VB.Net, etc.)
- C
- C++
- Visual Basic 6

Software Development Environments
- Visual Studio .NET (all versions)
- Visual Studio 6

Driver
- WDM compatible
- Direct Show compatible
- TWAIN Support

- **3rd Party Support**
  - Halcon
  - LabVIEW
  - MATLAB

Compatible Cameras
- All PixeLINK® 4.2 cameras

API Function categories
- Detect cameras
- Initialize/uninitialize cameras
- Identify cameras
- Get/set camera features
- Load/save camera settings to camera
- Video stream controls
- Set overlay callback functions
- Preview window controls
- Image capture and format controls
- Error reporting

PixeLINK Capture OEM Controls
- DCAM/IIDC Features
- Image Enhancement
- Lookup Table
- Region of Interest controls
- Trigger and GPO Controls
- Callback function examples
- Image Capture
- Video Capture
- Extended Shutter
- Image Histogram

Ordering Information

To obtain the PixeLINK® Software Development Kit (SDK), PixeLINK cameras customers can register with the PixeLINK® Support Group on www.pixelink.com using the unique serial number provided upon purchase. Registered users will also be notified when new SDK updates become available.

www.pixelink.com