ARENA™ SDK

Connect, Control, and Create

The Arena Software Development Kit (SDK) is designed from the ground up to provide customers with access to the latest in industry standards and computer technology. The SDK supports LUCID GigE Vision cameras on both Windows and Linux platforms.

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DEVELOP AND DEPLOY

Comprehensive API Toolkit

The Arena SDK provides API access to a variety of camera feature sets. Image chunk data provides meta-data on captured images. Events and triggers can be used to create deterministic camera operations. Save and load streamable camera settings for quicker setup across multiple cameras.

Our SDK allows you to build and scale custom solutions quickly and easily.
- **Arena C++ library**
- **Arena C Library**
- **Arena .NET library**
- **Python library**

LEARN AND IMPLEMENT

Code Examples

Check out our code examples to learn how to use features on your camera. Each example project provides a buildable, executable demonstration of how to accomplish a particular task using an available technology.

Examples available in:
- **C++**
- **C**
- **C#**

CONNECT AND VALIDATE

ArenaView GUI

The Arena SDK includes an easy to use GUI called ArenaView. Based on the GenICam standard, ArenaView allows you to access and validate camera features quickly and easily through the GenICam XML based feature tree. Improved readability for todays diverse range of screen resolutions and optional workspace color schemes.

- **GenICam compliant**
- **Instant feature search**
- **Optimized for UHD resolutions**
- **Dark and light color schemes**
- **Dockable panels**

HTML 5, CSS3, JAVASCRIPT

Arena UI

Arena UI is our user interface (UI) framework. Based on HTML 5, CSS3, and JavaScript, it allows users to rapidly create client applications. This flexible UI framework modernizes the approach, look, and maintenance of client applications. For example, build responsive applications that dynamically adjust layout for different screen resolutions or easily change application styles by switching CSS style sheets

FAMILIAR AND CONSISTENT

GenICam 3 Compliant

GenICam™ is an interface agnostic, programming standard for machine vision cameras. The Arena SDK supports the latest GenICam 3 standard enabling faster camera enumeration and a smaller memory footprint.

- **Consistent GenICam experience**
- **Modernized XML structure for fast loads**
- **Reduced code size and memory usage**
- **Optimized for more efficient embedded system operations**