



## Introducing the New FireBird Dual CXP-12 CoaXPress Frame Grabber

The **FireBird Dual CXP-12 CoaXPress frame grabber** is the latest addition to our state-of-the-art frame grabber family.

It's designed to deliver unparalleled performance and versatility, catering to the evolving needs of professional and industrial imaging applications. It supports either one 2-connection camera or two 1-connection cameras at up to **CXP-12 speeds**, as well as **PoCXP** (power over CoaXPress), enabling simultaneous streaming with remarkable efficiency.



[See the full specification online](#)

## Expertly-designed hardware

With its low profile design, the **Dual CXP-12 CoaXPress frame grabber** is suitable for a wide range of setups, including small embedded PC enclosures, 2U rack mount cases and standard PCs, offering flexibility without compromising on performance.

At the heart of FireBird CXP frame grabbers lies Active Silicon's proprietary DMA Engine technology, "ActiveDMA". RISC-based processor techniques ensure high-speed, low-latency image data transfers directly to system memory with zero CPU intervention; in GPU augmented systems image data can be delivered directly to GPU memory for optimal performance in compute intensive applications.

## Custom software for simple integration

FireBird is supported by our software development kit, **ActiveSDK**, allowing rapid system development and integration. Compatible with a variety of operating systems including Windows, Linux (64-bit environments), and QNX, ActiveSDK includes comprehensive example applications, optimized libraries, and support for third-party applications such as Cognex VisionPro, HALCON, Common Vision Blox, and more.

Full **GenICam support**, including a GenTL Producer for data streaming and register accesses, is included in the drivers, enhancing ease of use and integration. The libraries also feature general-purpose functions for image manipulation and display, providing developers with the tools they need for efficient system development.

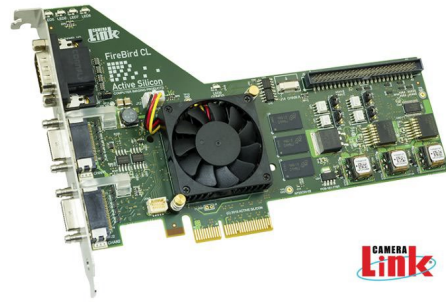
## The wider FireBird family

This dual CXP board joins the quad and single variations in our FireBird CoaXPress frame grabber range.

Our **Quad CXP-12 3PE8 frame grabber** features an 8-lane Gen3 PCI Express bus and supports CoaXPress speeds up to 4 x CXP-12, resulting in data rates of up to 50 Gbps.



The **FireBird Camera Link 80-bit** (Deca) is a cost-effective, four lane Gen2 PCI Express board for capture from two Base cameras or a single Base, Medium, Full or 80-bit Camera Link camera (including PoCL). It supports the latest version 2.1 Camera Link specification and is also available in a low profile form.

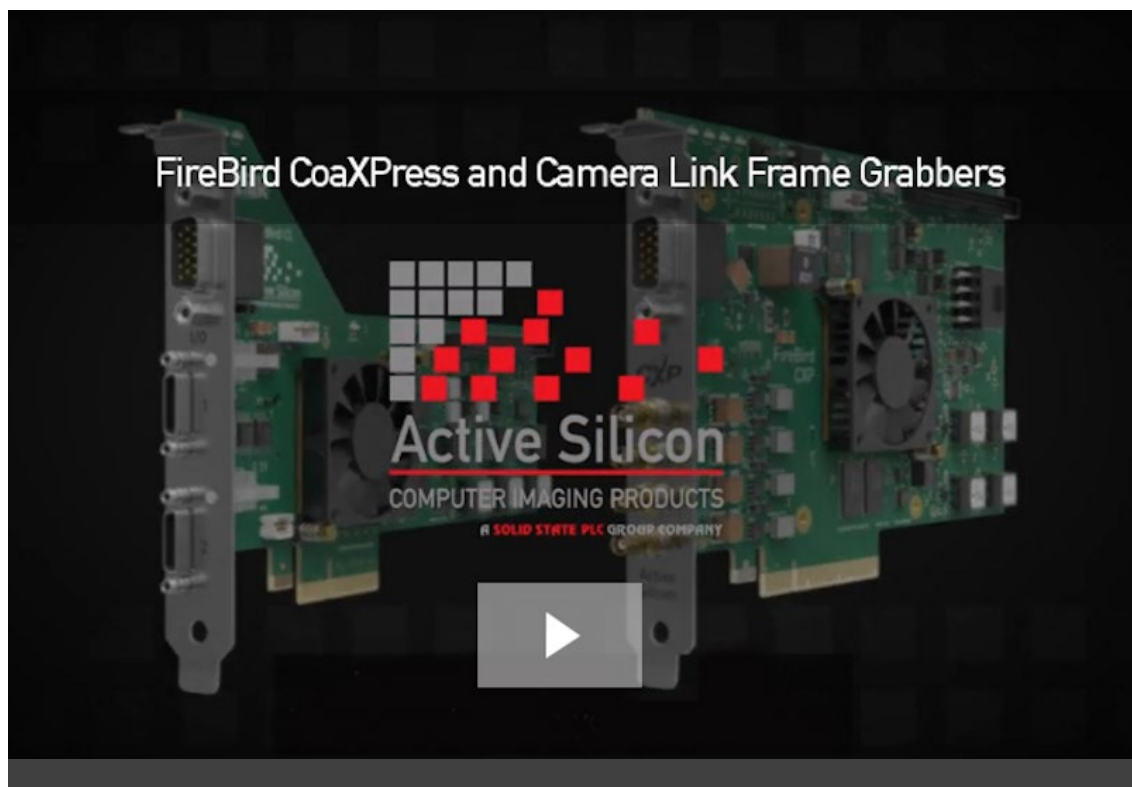


Frame grabbers also allow very fast real time triggering of the camera from the PC, with line scan trigger rates up to 500kHz.

Using a **GPU with a frame grabber** can speed up image processing further, while leaving space on the CPU for other functions. Our **CoaXPress** and **Camera Link frame grabbers** support 3rd party APIs including NVIDIA's GPUDirect for Video and AMD's DirectGMA.

[View the FireBird range of frame grabbers](#)

[See all the features in our product video](#)



View our [CoaXPress frame grabbers](#) and [Camera Link frame grabbers](#) online or [get in touch](#) to see what our boards could bring to your vision system.

[View the FireBird range of frame grabbers](#)

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