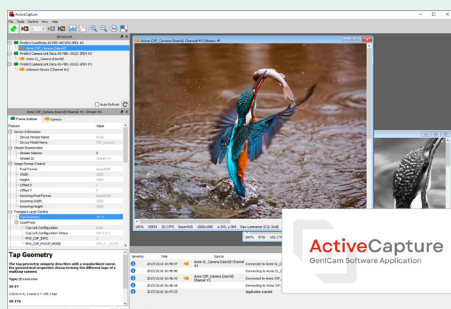


# FIREBIRD FRAME GRABBERS

CoaXPress and Camera Link  
Interface Cards

## Features

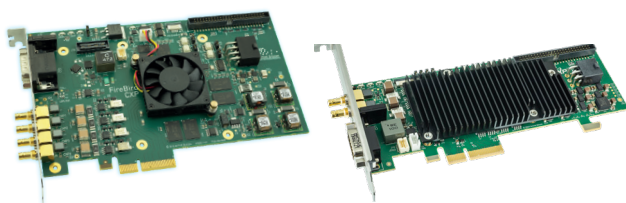
- High-speed acquisition in real time due to ActiveDMA technology
- No CPU overhead
- GenICam compliant (GenTL Producer)
- Windows and Linux support
- Compliant with NVIDIA GPUDirect for Video
- For CoaXPress and Camera Link cameras
- All common machine vision libraries supported



## Software Support

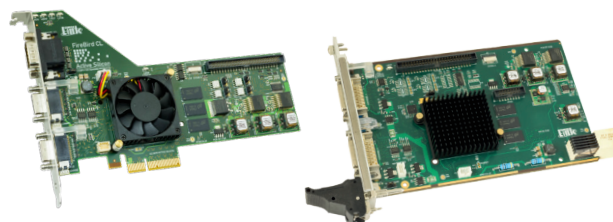
FireBird frame grabbers are supported by **ActiveSDK**, Active Silicon's software development kit.

**ActiveCapture**, our front-end software, provides camera and frame grabber control.



## CoaXPress Frame Grabbers


- Quad, Dual and Single CXP boards
- CXP-12 products (up to 12.5 Gbps per connection), incl. CXP over Fiber (QSFP10)
- Support for CoaXPress v2.1
- Cable support: <100m; over fiber: <10km
- PoCXP (Power over CoaXPress)




## Camera Link Frame Grabbers

- Base, Medium, Full and 80-bit
- Support for Camera Link v2.1
- PoCL (Power over Camera Link)
- Full GenICam support for CLProtocol and GenCP cameras
- Embedded formats e.g. cPCI Serial

## FireBird CoaXPress Frame Grabber

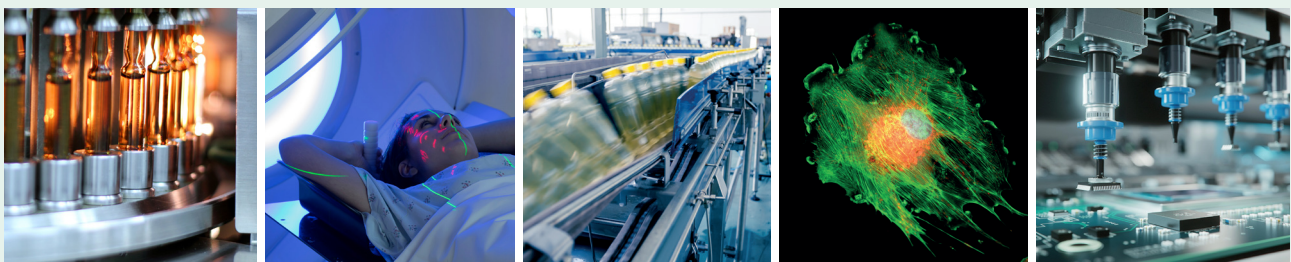
	CoaXPress	Connections	Maximum Rate per Connection	Simultaneous Cameras	PCI Express Bus	Format
<b>4xCXP12-3PE8</b>	v2.1 CXP-12	4	12.5 Gbps	1, 2 or 4 cameras	Gen3 x8	Full height PC
<b>4xCXP12-3PE4</b>	v2.1 CXP-12	4	12.5 Gbps	CXP-12: 1 or 2 CXP-6: 1, 2 or 4	Gen3 x4	Full height PC
<b>4xCOF12-3PE8</b>	v2.1 CoF-12	4 (1xQSFP10)	10 Gbps	1, 2 or 4 cameras	Gen3 x8	Full height PC
<b>2xCXP12-3PE4L</b>	v2.1 CXP-12	2	12.5 Gbps	1 or 2 cameras	Gen3 x4	Full height or low profile PC
<b>1xCXP12-3PE4L</b>	v2.1 CXP-12	1	12.5 Gbps	1 camera	Gen3 x4	Full height or low profile PC
<b>1xCXP6-2PE4L</b>	v1.1.1 CXP-6	1	6.25 Gbps	1 camera	Gen2 x4	Full height or low profile PC

## FireBird Camera Link Frame Grabber

	Camera Link	Maximum Camera Clock	PoCL	Simultaneous Cameras	PCI Express Bus	Format
<b>1xCLD-2PE4</b>	v2.1	85MHz	Supported	2 cameras (Base), 1 camera (Medium, Full, 80-bit)	Gen2 x4	Full height PC
<b>1xCLD-2PE4L</b>	v2.1	85MHz	Supported		Gen2 x4	Full height or low profile PC
<b>1xCLD-2PE4 cPCI Serial</b>	v2.1	85MHz	Supported		Gen2 x4	3U cPCI Serial

## Active Silicon

Active Silicon, founded in 1988, is a Solid State plc group company. We design and manufacture frame grabbers for a wide spectrum of industrial and medical imaging applications and the FireBird boards are known for their performance and reliability.



FIREBIRD  
FRAME GRABBERS

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