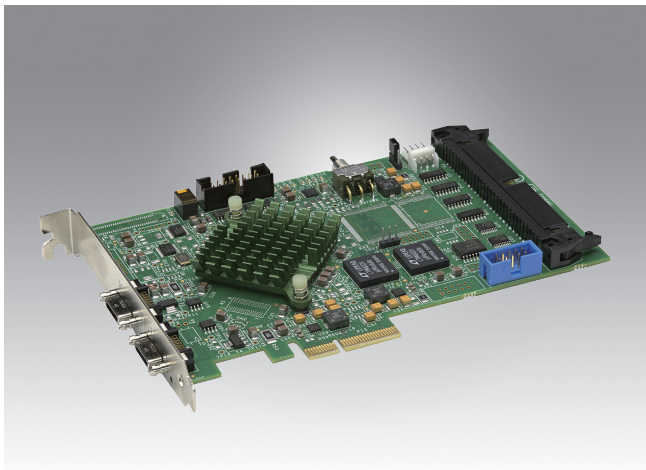


Axion Series

1- to 4-Port PCI Express Camera Link Frame Grabber



Features

- Camera Link 2.0 compliant
- Half-size x4 PCI Express Gen 2.0
- Supports base/medium/full/80-bit CL cameras
- Supports CL speeds up to 85 MHz
- Uses SDR Camera Link connectors
- Supports PoCL and non-PoCL cameras with SafePower
- Triggers and encoders for external control of acquisition
- Supports Windows and Linux

Description

The Axion-CL stands out as the most powerful PCI Express Camera Link frame grabber, featuring a brand new PCIe Gen 2 interface and DMA optimization tailored for modern, fully loaded, fully busy, computer systems. In the Axion CL series, you can find options for connecting 1, 2, 3, or 4 cameras.

Incorporating Axion-CL into your application is a straightforward process, thanks to our software development kit (SDK). Our SDK is compatible with both 32-bit and 64-bit operating systems, offering flexibility to developers. You can create applications using C/C++/.NET, harnessing the power of our advanced buffer management APIs.

In addition, we provide free downloadable drivers on our website that are compatible with most 3rd-party machine vision packages. This ensures seamless integration into your existing setup. The Axion-CL maintains software compatibility with all of the current BitFlow frame grabbers. This means that migrating applications to or from Camera Link, analog, and CoaXPress is both simple and quick.

Specifications

Camera Interface	Compatibility	Camera Link 2.0
	Configuration	Base/Medium/Full
	Connector	SDR Camera Link connectors
	Bus Interface	PCI Express x4 Gen 2.0 interface (also works in x8 and x16 slots)
Processor and Software Support Package	Processor Architecture	x86, ARM64
	Operating System	Windows 7, 8, 10 (x86 only), Linux SDK C, C++, C#, Python
Power Requirements	Input Voltage	12 V _{DC} direct from PCIe slot, or AT/ATX System power input
	Overload Current Protection	Present
	Connection	AT/ATX Power Jack
	PoCL (Power Over Camera Link))	Supports both PoCL and non-PoCL cameras with SafePower
Environment	Operating Temperature	0 ~ 50°C (32 ~ 122°F)
	Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)
	Operating Humidity	5 ~ 95% RH
Certification	Compliance	FCC CE Class A

Ordering Information

Part Number	Description
96PD-AXNPC2CL1B	1-port PCI Express Camera Link, Base Frame Grabber
96PD-AXNPC2CL2B	2-port PCI Express Camera Link, Base Frame Grabber
96PD-AXNPC2CL3B	3-port PCI Express Camera Link, Base Frame Grabber
96PD-AXNPC2CL4B	4-port PCI Express Camera Link, Base Frame Grabber
96PD-AXNPC2CL1E	1-port PCI Express Camera Link, Base/Medium/Full Frame Grabber
96PD-AXNPC2CL2E	2-port PCI Express Camera Link, Base/Medium/Full Frame Grabber