



## FireBird CompactPCI Serial Camera Link frame grabber

Active Silicon's **FireBird Camera Link 3U cPCI Serial frame grabber** is a fully-fledged Camera Link acquisition card in the embedded 3U cPCI Serial format. Fast acquisition, comprehensive I/O, GenICam compatibility and extended temperature options, make this card flexible, easy to integrate and fit for demanding applications.

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## High-speed acquisition – low latency – cPCI Serial

The card uses Active Silicon's proprietary DMA Engine technology, "ActiveDMA". This technical innovation applies RISC based processor techniques and guarantees high speed, low latency image data transfer with zero CPU intervention.



- Fast Camera Link acquisition in Base, dual Base, Medium, Full and 80 bit.
  - 3U CompactPCI Serial form-factor with extended temperature option.
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- Support for Power-over-Camera Link (PoCL).
- Integrated hardware watchdog monitors communication with the host.

### **Comprehensive I/O**

The following I/O lines are provided for trigger, optical encoders, exposure control and general I/O:

- 4 opto-isolated inputs.
- 4 opto-isolated outputs.
- 4 TTL inputs, 5V tolerant.
- 4 TTL I/O, 5V logic.
- 4 RS-422 inputs.
- 4 RS-422 outputs.

The I/O signals are provided via a 50-way header on the PCB and can easily be accessed via a range of I/O adapters available from Active Silicon.

### **Full GenICam compatibility**

All Camera Link cameras which support CLProtocol, including those using GenCP are supported. A GenTL Producer is provided and allows the frame grabber to be used with GenICam GenTL compliant applications.

### **Supporting software package**

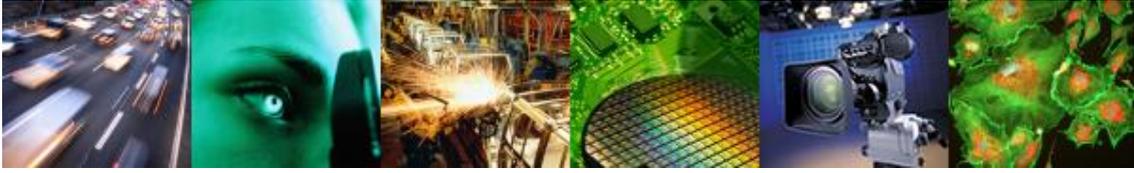
This FireBird card is supported by Active Silicon's **PHX Software Development Kit (SDK)**. The SDK provides comprehensive example applications and optimized runtime libraries for rapid system development and integration. Via a common API, the SDK is available for Windows, Linux (32 and 64 bit) and QNX.

**For more information visit our dedicated [product page](#) on our website or [contact us](#) directly.**

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