

# PRESS RELEASE

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FOR IMMEDIATE RELEASE

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## FireBird in CompactPCI form-factor The new Camera Link 3U cPCI Serial frame grabber

Active Silicon now offers FireBird frame grabber technology in the CompactPCI Serial format with extended temperature range for industrial embedded applications.



### FireBird Camera Link 3U cPCI Serial Frame Grabber

High-end frame grabber technology in an embedded form-factor for demanding applications.

This press photograph is available from the image gallery at [www.activesilicon.com](http://www.activesilicon.com).  
Direct Link: [FireBird-3U-cPCI-Serial](#)

The FireBird Camera Link 3U cPCI Serial supports capture from two simultaneous Base Camera Link cameras as well as single Base, Medium, Full and Deca (80-bit) configurations. The 4-lane Gen2 interface used on the FireBird can sustain a 1.7Gbytes/s throughput and is fast enough to cope with the full data rate that the Camera Link Deca interface can support. The board also features comprehensive I/Os for trigger, optical encoders, exposure control and general I/O. Power over Camera Link (PoCL) is also supported.

Designed for ultimate performance, FireBird uses Active Silicon's proprietary DMA technology, "ActiveDMA". This technical innovation applies RISC based processor techniques and guaranties zero CPU intervention, high speed and very low latency image data transfers.

The Camera Link 3U cPCI Serial is supported by Active Silicon's easy to use, comprehensive PHX Software Development Kit (SDK), which allows integrators to develop applications quickly and effectively. The SDK is available for a variety of operating systems via a common API, including Windows, Linux (32 bit and 64 bit environments), Mac OS X and QNX. Drivers for third party applications are also available such as Cognex VisionPro, Common Vision Blox, StreamPix, LabVIEW etc.

FireBird is fully GenICam compliant, making this frame grabber compatible with all Camera Link cameras that support the CLProtocol, including those using GenCP. A GenTL Producer is provided as part of the FireBird driver installation.

Customers always have direct access to Active Silicon's technical staff for systems advice, consultancy and integration work to ensure a successful completion of user applications.

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**Link to product page:**

<https://www.activesilicon.com/products/firebird-camera-link-frame-grabber-1xCLD-3U-cPCI/>

## **About Active Silicon**

Active Silicon, founded in 1988, is a leading manufacturer of frame grabbers, embedded vision systems and camera-end interface boards. Frame grabbers provide the interface between high-end cameras and computers in vision systems, while embedded vision systems provide the industrial-grade computer environment on which vision systems operate. As well as being a leader in the development and application of new technologies, Active Silicon is unique in being able to support a wide range of operating systems and a diverse range of hardware formats to go beyond traditional ground fixed environments. In fact Active Silicon's products have been used in applications from space missions to deep-sea vehicles and UAVs. These products have applications in virtually all areas of science and industry, including manufacturing, life sciences, medical imaging, security and defense. All the products and technologies are developed in-house and owned by the company. For further details, visit [www.activesilicon.com](http://www.activesilicon.com)