

# PRESS RELEASE

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FOR IMMEDIATE RELEASE

Press Contact.. Andrew Buglass

Email..... [marketing@activesilicon.com](mailto:marketing@activesilicon.com)



## Active Silicon launches Deca Camera Link Grabbers

Active Silicon, a world leader in frame grabber technology, announces single and dual Deca<sup>1</sup> Camera Link additions to the new FireBird range of high-speed frame grabbers.



### Dual Deca Camera Link Frame Grabber

This press photograph is available under the Products category at

[www.activesilicon.com/news.htm](http://www.activesilicon.com/news.htm)

The FireBird series of frame grabbers is a new generation following on from the successful Phoenix range, with the new FireBird range including Camera Link single and dual Deca versions. The single Deca version, the *FireBird-1xCLD* PC card supports Base, Medium, Full and Deca modes, and supports Power over Camera Link (PoCL). The *FireBird-2xCLD* simultaneously supports two Base, Medium, Full or Deca cameras through one PCI Express connector. Both the single and dual Deca boards use the latest FPGA families, DDR3 memory, and a super-fast 8-lane Gen2 PCI Express interface resulting in unrivalled DMA performance with no CPU intervention.

1 – Camera Link Deca is an extension beyond Camera Link Full which allows 10-tap, 80 bits at up to 85MHz to provide a maximum throughput of 850Mbytes/sec. (Camera Link Full is 8-tap, 64 bits, at up to 85MHz resulting in 680Mbytes/sec.)

Camera Link Deca has become a de-facto standard, and will be an official part of Camera Link version 2.0, where it is referred to as “80-bit mode”. The standard defines both 10 tap 8-bit, and 8 tap 10-bit modes, both of which are supported on FireBird.

Drawing on Active Silicon’s expertise in multi-operating systems, the FireBird range is also supported under Linux, Mac OS X, VxWorks and QNX, as well as Windows 32 bit and 64 bit. Embedded system versions, such as PC/104-Express and XMC will follow on next year.

All Active Silicon acquisition solutions are provided with an easy to use, comprehensive Software Development Kit which allows integrators to develop applications quickly and effectively, together with a range of built-in third-party software drivers for packages such as Common Vision Blox, VisionPro, Streampix, MATLAB and LabVIEW. Support is also provided for DirectShow and QuickTime interfaces. Customers also have direct access to Active Silicon’s technical staff for systems advice, consultancy and integration work to ensure a successful completion of end-user applications.

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## About Active Silicon

Active Silicon, founded in 1988, is a leading manufacturer of frame grabbers and embedded vision systems. 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. 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)