SNAPPER

IMAGE ACQUISITION BOARDS

Snapper frame grabbers are well established in the image acquisition board sector. They are both reliable and extensively used in numerous applications. Support for diverse architectures makes Snapper enormously versatile and allows it to seamlessly integrate with all leading cameras and operating systems.

The Snapper Software Development Kit (SDK) provides quick and easy application development across a wide range of platforms from DOS 32, Windows (32 bit platforms), Linux and Mac OS 9/Mac OS X to VxWorks and Solaris.

Snapper frame grabbers are underpinned by Active Silicon's expertise in image acquisition and analysis at the leading edge of vision technology in both the industrial and scientific sectors.

APPLICATIONS

Industrial

Scientific

Biomedical

Education

Security

Defense

Active Silicon
COMPUTER IMAGING PRODUCTS

www.activesilicon.com

Snapper Product Range

SNP-8

Supports up to four standard or non-standard monochrome cameras and provides identical sync, trigger and scan capabilities to the SNP-24.

SNP-24

For image capture from up to 4 RGB or 12 monochrome cameras. Acquires RS-170, CCIR, YCbCr/YUV or non-standard (variable-scan) video, with full software control of sync, trigger and scan parameters.

SNP-DIG-16

For acquisition from digital sources, including high resolution, wide dynamic range digital cameras incorporating both Areascan and Linescan. Built-in serial comms. RS422 and LVDS options available.

	SNP-8	SNP-24	SNP-DIG-16
Video Inputs	4 Mono	4 RGB or 12 Mono	1 channel 16-bit or 2 channel 8-bit
Input format	CCIR/RS-170 and Variable-scan	CCIR/RS-170 and Variable-scan	Linescan/Areascan or DataStream
Input Luts	1 x 8-bit	3 x 8-bit	1 x 16-bit or 2 x 8-bit
Max resolution	2K pixels with PLL	2K pixels with PLL	8K Linescan/Areascan Unlimited DataStream
IO	Trigger input Exposure control output	Trigger input Exposure control output	Serial comms interface. IO lines configurable as Trigger input, Exposure output, Line-trigger in/output
Syncs	Sync off video CSync/H & V Sync Pixel Clock	Sync off video CSync/H & V Sync Pixel Clock	LVAL, FVAL and Pixel Clock. DataStream allows selection of data validity

Snapper PCI and PMC Boards

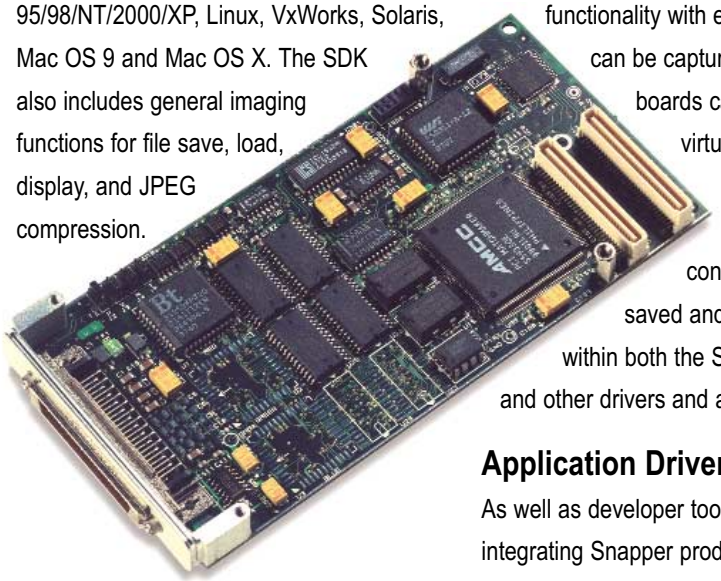
The Snapper range is available both in standard PCI and PMC form factors for the 32-bit/33MHz bus. The PMC interface standard (IEEE 1386.1) is supported by leading hardware vendors.

Snapper ISA and SBus Boards

Still available in these formats.

Software Development Kit

SDKs are available for all supported combinations of Snappers and operating systems.These include Windows 95/98/NT/2000/XP, Linux, VxWorks, Solaris, Mac OS 9 and Mac OS X. The SDK also includes general imaging functions for file save, load, display, and JPEG compression.



All Snapper boards are available in PMC form factor (as above)

SnapperTool

This is an advanced Windows configuration utility created with the ActiveX Development Kit. SnapperTool combines advanced functionality with ease of use. Images can be captured and saved, boards can be configured to virtually any mode the hardware will support and configurations can be saved and loaded for use within both the SnapperTool itself and other drivers and applications.

Application Drivers

As well as developer tools for integrating Snapper products within customer applications and imaging systems, extensive drivers are available for a large range of image analysis and machine vision packages, for example Image-Pro Plus or TWAIN.

Active Silicon

COMPUTER IMAGING PRODUCTS

USA:
Active Silicon
32 Hatikva Way
North Chelmsford
MA 01863
USA

Tel: +1 978 251 9992
Fax: +1 978 251 0683
info@activesilicon.com

Europe:
Active Silicon Limited
Brunel Science Park
Kingston Lane
Uxbridge, UB8 3PQ
United Kingdom

Tel: +44 (0)1895 451972
Fax: +44 (0)1895 230131
info@activesilicon.co.uk