



## Alrad Imaging Newsletter April 2008

### A regular look at what's new in the world of imaging and machine vision components

This month we feature:-

- **Bitflows Alta-AN frame grabber for flexible Machine Vision applications.**
- **15 new cameras from Costar for industrial applications.**
- **CameraLink frame grabber overview from Epix Inc.**
- **Sentech offer a variety of cameras for machine vision applications.**

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### Bitflows Alta-AN frame grabber for flexible Machine Vision applications.

The Alta-AN series are an affordable, versatile analogue capture board product family for Semiconductor and Industrial Vision OEMs. This family can acquire from almost any analogue camera on the market, from high speed asynchronous-reset monochrome cameras to super high resolution colour HDTV cameras. The Alta frame grabbers are high-quality, flexible, PCI Express bus imaging products, well supported by an easy-to-use SDK, and drivers for most popular software imaging packages.



There are three main models in the Alta family: Alta-AN1, Alta-AN2 and Alta-AN4. The Alta-AN1 has one Virtual Frame Grabber (VFG) and can support one analogue camera of any type. The Alta-AN2 has two VFGs and support two cameras, and the Alta-AN4 has four VFGs and support four cameras. **Each VFG is a completely independent frame grabber. This means that each VFG can be configured for a different camera, different triggering mode, and different destination buffer and can be in a different acquisition state than the other VFGs. But most importantly, all of the VFGs on one board can acquire simultaneously, at the cameras full frame rate and resolution.** Each Alta model is a half size x4 PCI Express board (supporting total data rate up to 1.0 GB/S) **More Info**

### 15 new cameras from Costar for industrial applications.



**Costar Introduces 15 New Cameras including Megapixel, Camera Link & PowerOver Camera Link and Gigabit Ethernet (GigE) - Colour and Monochrome**

Amongst the newcomers is the SI-M410GE which is a 1/2" CCD Digital Gigabit Ethernet (GigE) Monochrome Progressive Scan Camera perfect for quality control in many different production processes including PCB and component inspection, medical imaging and intelligent transportation systems. **More info**

## CameraLink board overview from Epix Inc

Epix provides cost effective solutions to customers with demanding video and imaging requirements - acquisition, processing, analysis, storage, transmission, or display. Below is a summary of their capture boards for use with CameraLink output cameras.

### **PIXCI® EC1 Notebook Video capture board, accommodating Camera Link cameras.**

Uses host computer's memory for image storage.  
Supports 250 Mbyte/sec ExpressCard bus transfers.

### **PIXCI® EL1 - Video capture board, accommodating Camera Link cameras.**

**PIXCI® EL1DB - Video capture board, accommodating one or two Camera Link cameras.**  
Uses host computer's memory for image storage.  
Supports 250 Mbyte/sec PCI Express x1 bus transfers.

### **PIXCI® E4 - Video capture board, accommodating Camera Link cameras.**

**PIXCI® E4DB - Video capture board, accommodating one or two Camera Link cameras.**  
Uses host computer's memory for image storage.  
Supports 1000 Mbyte/sec PCI Express x4 bus transfers.

### **PIXCI® CL1 - Video capture board, accommodating Camera Link cameras.**

Uses host computer's memory for image storage.  
Supports 132 Mbyte/sec PCI bus transfers.

### **PIXCI® CL2 - Video capture board, accommodating Camera Link cameras.**

Uses host computer's memory for image storage.  
Supports 400 Mbyte/sec 64bit/66MHz PCI bus transfers.

**[More Info](#)**

## SENTECH offer a variety of cameras for machine vision applications

Sentech manufacture many cameras for inspection, machine vision, microscopy, pipe inspection, high speed applications, dental, and security.

Sentech machine vision camera groups include:-

- 2:1 Interlace
- Progressive Scan
- Digital



The company's web site features more than 50 cameras for machine vision applications. To look at the wide selection click **[More info](#)**

For more information on any of these products please click on the appropriate links or talk to our sales staff on **01635 30345** or if you prefer email [sales@alrad.co.uk](mailto:sales@alrad.co.uk) with your requirements or go to our web site <http://www.alrad.co.uk>

Technology advice and information is available on our [FAQs/Applications](#) pages go to our web site <http://www.alrad.co.uk>

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**Alrad Imaging, Alder House, Turnpike Road Industrial Estate, Newbury, Berkshire, RG14 2NS, Tel No: 01635 30345, Fax No: 01635 32630, Email: [sales@alrad.co.uk](mailto:sales@alrad.co.uk), Web: [www.alrad.co.uk](http://www.alrad.co.uk)**