

Newsletter January 2010

In this issue we feature new products being offered by the company through its two trading divisions ALRAD ELECTRONICS and ALRAD IMAGING covering line scan cameras, Intelligent cameras, High Speed Cameras, Optoelectronic and Image Sensor Sockets, Laser Glasses and Compact CCD Cameras.

New GigE Vision cameras

New easy, accurate and fast line scan cameras with GigE vision output

We are pleased to announce the introduction of the e2v EM1 linescan camera for industrial machine vision applications.

EM1 is the perfect candidate for industrial vision applications requiring both the ease of use, the benefits of economical cost offered by the Gigabit Ethernet interface and the highest electro optical and line rate performances. Based on the latest generation of e2v sensors, EM1 features unmatched electro optical performances.

Vision applications for the EM1 include web inspection, process control, print inspection, sorting, surface inspection, OCR and barcode reading. [More information](#)



An advanced new GigE Vision camera for industrial applications.

MATRIX VISION has unveiled their latest GigE Vision camera range: the mvBlueCOUGAR-X. This intelligent industrial camera is full of extra hardware-based smart features and design highlights. For example, the very compact and high quality housing is optimised for industrial use and features lockable connectors. The mvBlueCOUGAR-X series is suitable for a wealth of industrial vision applications as it is available with a wide range of highly sensitive CCD or CMOS colour and gray scale sensors. C-Mount, CS-Mount as well as S-Mount lenses are supported. Like all MATRIX VISION GigE cameras, the mvBlueCOUGAR-X is fully compliant to GenICam™ and GigE Vision® standards. More information on the mvBlueCOUGAR-X [More information](#)



The efficient high speed camera for automated machine vision applications

The Cyclocam incorporates the very latest in high speed camera technology for automated production line applications. It is the ideal camera for companies needing to inspect recurring cyclical processes, but this camera can also make traditional high speed recordings.

It is a fully portable, battery powered unit with built in LCD display – so movement can be viewed directly, or sequences can be later downloaded to a PC for detailed analysis.

Cyclocam captures up to 250fps at full VGA resolution and at higher framerates, up to 10,000fps, at reduced resolutions (ROI). Sequence length depends on the amount of RAM fitted. An additional advantage offered is that parts of the cycle that are not interesting can be skipped, so that only the relevant portions of sequence will be displayed. The Cyclocam requires no installation, and may be used as a “point and shoot camera”. It can be used on multiple production lines in the factory and can be synchronised with the line without the need for a connecting cable. [More information](#)



New Glasses from Lasershields



Lasershields have introduced a new glasses frame that will take a prescription lens or a reading lens. This new frame design has an inset that can be used for fitting a prescription lens. Reading glass inserts are available from power 1 to 4. The frame is model Number 34

- Sleek stylish fit;
- Removable Rx insert;
- 8 base lens provides full wrap-around coverage;
- Soft temples;
- EN207 and ANSI Z136 complaint
- Insert available with 1.0-4.0 magnification powers.



[More information](#)

Andon image sensor sockets and Optoelectronic connectors



Andon has developed the largest line of Image Sensor Sockets in the industry. They have sockets for components from Atmel, Dalsa, E2V, Fairchild, Hamamatsu, Kodak, Marconi, Micron, Motorola, National, NEC, Peripheral Imaging, Phillips, Site, Sony, TI, and Toshiba. Image Sensor sockets provide higher reliability because the sockets can be soldered to the motherboard in large quantities. Later, as required, the sensors can be plugged-in or unplugged and upgraded easily. [More information](#)

By using Andon sockets customers will appreciate knowing that production line PCB assembly problems with Optoelectronic device lead soldering and thermal damage are eliminated. No worry about "lead free" high temperature soldering. Reduced handling means reduced ESD problems, no cleaning solution on the device window, no humidity or extreme temperature damage.

[More information](#)

Two new cameras from Watec

Watec, the compact camera specialists, have introduced two new analogue cameras:



WAT 250D2: This is a colour camera with a 1/3" 752x582 CCD sensor. This camera has ultra high sensitivity. (EXview 0.02 Lux upgrade to WAT-250D)



WAT 400D: This is a colour camera with a 1/3" 752x582 CCD sensor and is a waterproof version of the popular WAT-200D, c/w 2.8mm A/I Lens, IP68 Sealed (waterproof to 200 feet)

[More information](#)



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Alrad Instruments Limited is a private British company that was established in 1970 *Member of UKIVA and PPMA* the Company has two trading divisions providing a variety of instruments and components for industrial, scientific and research applications

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