

Newsletter September 2011

All products are available through **ALRAD IMAGING** or **ALRAD ELECTRONICS** which are trading divisions of Alrad Instruments Ltd. If you would like more information on any of the items featured in this newsletter either telephone **01635 30345** or email **sales@alrad.co.uk**

Make a note to see the exciting new products that we plan to show on our stand number G69 at this years PPMA show to be held at the NEC Birmingham on 27-29th September 2011.

Stainless steel waterproof IP67 lighting for the food industry



The **316L Light Bar** uses high power LEDs and is housed in a strong stainless steel body with unbreakable protector for the LEDs. It has been designed for use in extreme working conditions (e.g.: high moisture and humidity levels). 5 different wavelengths of LEDs are available making

the product very versatile for many applications.

This light unit is ideal for direct lighting of rectangular areas in food production facilities where extreme environmental conditions exist. The body is made of Inox 304L stainless steel, is resistant to pressurized water cleaning and is guaranteed waterproof to IP67 standard.



The **ANNU12 Ring Light** contains 12 high power LEDs with a cooling system that allows safe operation up to 40°C. The Ring Light body is made of Inox 304L stainless steel, and is resistant to pressurized water cleaning, guaranteed waterproof to IP67 standard. 5 different wavelengths are available making it suitable for a wide range of applications.

The unit is ideal for use in Food production environments due to its IP67 housing and unbreakable LED protector. The internal diameter is suitable for most camera lens diameters. It is ideal for direct lighting of circular areas in demanding environments. It can powerfully and uniformly illuminate a 1 square metre area with a working distance up to 2 meters. Optionally, when fitted with narrow angle optics, it is able to illuminate 800 mm wide area located up to 4m away.

Applications include robotics where it is used for locating large products during the packaging process (e.g.: pancakes, cheese, canned food, drums etc), as well as the quality control areas of food production plants.

mvBlueFOX-IGC – the single-board USB 2.0 camera now also available in a housing

The mvBlueFOX-IGC (IGC stands for "Industrial Grade Compact") is a development of the successful single-board camera family mvBlueFOX-MLC, now available in a compact industrial housing. Two models are offered with two different back plates: the first model features one Mini-USB interface, the second one has an additional circular (Binder) locking connector for the digital inputs and outputs.



Hawks have good eyesight and this one is no exception



Available in both analogue and digital versions the **Hawk** cameras from Raptor Photonics are the smallest and most rugged EMCCD cameras in the world. The **analogue Hawk** camera, either as **EM247 (monochrome)** or **EM246 (colour)**, is small, lightweight and low power - and is therefore the ideal camera for OEMs and integrators. It has been specifically designed for integration into imaging systems such as small EO/IR surveillance platforms.

The **digital Hawk** EMCCD camera, model **HK247-CL (monochrome)** and **HK246-CL (colour)**, offers the same compactness as the analogue version but has a standard base CameraLink output. Raptor Photonics recommends the Pleora adaptor box to convert CameraLink to GigE Vision interface. Pleora's iPORT PT1000-CL IP Engine streams video and imaging data in real time over standard GigE connections between base-configuration Camera Link cameras and PCs. RaptorVision Capture Software and SDK allow for easy control of the camera and acquisition of images.

Image freeze of fast moving objects in industrial applications is possible using the HELIO-STROB compact 75.

HELIO-STROB compact 75 is a mobile strobing light source for industrial use. Extremely short flash impulses with constant brightness enable the freezing of images as well as a slowed-down observation mode of fast processes, when a precise perception by the human eye is no longer possible. With the frequency range of $1 - 75 \text{ Hz}$ ($60 - 4500 \text{ min}^{-1}$) even the smallest parts are displayed pin sharp, without any motion blur. Thanks to the intuitive handling via touch panel and an "intelligent" one-button operation you easily get accurate and reliable results. The HELIO-STROB compact 75 can be effectively used in the field of quality control, vibration analysis and speed measurement as well as for the setting up of your machines. The requested observation point in the course of a movement can easily be set with one single "twist" (the so-called phase-shift). The flash frequency can either be controlled by the accurate internal trigger or by an external trigger. Proximity switches and optical sensors can be connected directly to the signal input of the stroboscope. Additional devices can be synchronously triggered by the TTL-output.



Special offer on compact cost effective ZOOM lens from Fujinon

The compact design of the **Fujinon D17X7.5B-YN1** Motorized Zoom Lens allows it to be used in small housing thereby miniaturizing the overall system design. This lens offers a 7.5 to 128mm focal range (x17). This is just one of the many high quality lenses offered by Fujinon. Priced at just **£250 plus VAT ex works** this lens offers exceptional value for money

while stocks last.

We have some ex-demo Machine Vision and Zoom lenses at very special prices, please call 01635 30345 or e-mail us for a quote and stock availability.

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