



Title: Alrad – PPMA preview – Issue 2

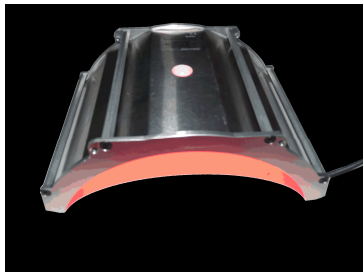
Make a note to see the exciting new products that we plan to show on our stand number G69 at this years PPMA show to be held at the NEC Birmingham on 27-29th September 2011.

Flexible adjustable High Power LED light lines for machine vision.

The TPL Vision XBAR range is high power LED light lines suitable for Machine Vision applications. They are very useful for direct lighting of large areas even if located more than 4 meters away. Normally 2 or 4 lights can be used at an angle to the object to give a very homogeneous light over the whole area. The lights can be used in many industrial applications including robotics and quality control assisting with tasks such as surface area defects, code identification, online faults, colour checking etc. A special stainless bar light is available for food related applications.



Tunnel Lighting – ideal for cylindrical objects and conveyor belt use



The tunnel lights are diffuse and direct lighting units which are ideal for cylindrical objects such as bottles, cans, car injectors etc. It is also very suitable for reading codes on very shiny objects.

The curved shape of the light unit makes it ideal for use above conveyor belts. This produces a uniform light on any cylindrical surface that passes along the conveyor. The light has been developed for short distances in order to get maximum light onto the

conveyor. It is suitable for many applications including metal surfaces, plastics, printed packaging, label positioning and quality control of cylindrical surfaces.

Powerful USB2.0 module perfect for embedded industrial vision applications



The mvBlueFOX-MLC module is a fully featured compact single-board camera perfectly targeted for space and cost sensitive OEM applications. A superior image quality in combination with a very high frame rate make the camera ideally suited for embedded applications. The driver in combination with the FPGA represents a perfect team which reduces the PC load to a minimum.

LAP laser sensors measure dimensions, either as single units or as systems in industrial applications can help you reduce your costs.

Non-contact laser measurement doesn't leave marks or scratches on the surface. You may measure on soft, sticky, sterile, hot or very fast objects. Laser sensors allow for acceleration or deceleration of objects.

As there are no moving parts, there is no error due to wear of the measurement equipment. No matter if turn-key solution or single component - you measure fast, reliable and with high precision. Benefit from reduced costs by easy handling; precise production and reduction of scrap and make your customers happy by delivering optimum quality with complete documentation. LAP measurement systems will support you.



Compact Digital GigE camera series with an extensive range of features

The new Sentech STC-GE/GEC camera series includes both colour and monochrome cameras. These cameras are digital GigE cameras and offered in two configurations: "Standard" and "Power Plus" - the latter incorporating Xilinx or Altera based User FPGA.

This series features VGA, XGA, SXGA, UXGA and QSXGA progressive scan sensors, thus offering resolutions from 648 x 494 to 2448 x 2050 and scan rates between 15 and 90fps depending on the resolution.

Lasiris™ laser pattern generators for image processing

Coherent's world-renowned Lasiris™ SNF laser transforms the familiar laser dot into a wide range of structured light patterns including single and multiple laser lines with uniformity down to ±15%. Straight laser lines are projected by allowing one dimension of light to fan out while maintaining tight control over the other, resulting in a uniform sheet-of-light.



The DiViiNA-LM1 GigE Vision line scan camera is an inexpensive solution for high speed industrial imaging applications



The e2v DiViiNA- LM1 GigE Vision line scan camera which incorporates the proven quality of 1024, 2048 and 4096 pixel line scan sensors and is designed specifically to deliver the optimum solution to machine vision system integrators looking for a cost effective and reliable line scan camera, whilst seeking to maintain high end CCD performance. Typical applications for the DiViiNA-LM1 are web inspection for example in wood, paper or metallurgy applications, parts inspection and sorting for example in textile or food industries and general machine

inspection applications.

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