

Two new additions to the **ELiIXA** 4096 pixel camera family. They are the ideal candidates for the most demanding of applications. Using e2v's unique technology, the CCD sensor features unmatched performance and row spacing of only two pixels centre between the lines and enhanced response from the back side illumination technology

**Eliixa 3V** for monochrome applications requiring high speed acquisition:

- line rate up to 54 KHz,.
- 3lines

**Eliixa 4S** for monochrome applications requiring high responsivity.

- line rate up to 18 KHz,
- Spatial correction

Both feature

- Easy calibration (automatic tap balance and flat field correction, line balance)
- Versatile implementaion (trigger modes, output modes, bidirectional scanning,)



### **AViiva® UM2, Gigabit Ethernet CCD Monochrome Line Scan Camera**

- Compact housing design (56x60x40.6m).
- Available with sensors from 512 to 4096 pixels (10µm or 14 µm).

The AViiva GigE is the ideal solution for OEMs migrating from Camera link® to the GigE interface as it does not require, a new optic design nor a frame grabber. In addition, several of the AViiva range cameras may also use the same PC. High-data rate, standard interface hardware, throughputs of 125MB/s with cable length up to 100 meters,

Performance and reliability of this AViiva GigE camera meet requirements of the most demanding applications, from web inspection to document scanning, from surface inspection to metrology.

### **AViiva® UM8, CCD Monochrome Line Scan Camera**

The most advanced member of the AViiva line scan family combines the best of e2v technology associating higher performance and easy use. The AViiva UM8 features 12k pixels resolution, eight taps working at 40MHz, line rates reaching 25K lines per second, dynamic range of 64 dB and flat field correction. This line scan camera will significantly reduce the overall multi-camera system cost for customers in flat panel display inspection, PCB inspection and high performance Web inspection applications.



***PRICES NOW REDUCED ON THE UM8 FAMILY***

# COLOUR LINE SCAN

## **ELiIXA® UC4/UC8 Colour, CCD Multiline Line scan cameras**



The ELiIXA 4096 pixel camera is the ideal candidate for the most demanding applications requiring multi wavelength detection (including NIR).

Using e2v's unique technology, the CCD sensor features unmatched performance: line rate of 18KHz, row spacing of two pixels centre to centre, enhanced blue response and three lines (RGB) or four lines (RGB plus a fourth line either monochrome or NIR).

The camera package is designed to increase efficiency and save cost at vision system level:

- easy calibration (test pattern, flat field correction, white balance, excellent mechanical alignment)
- versatile implementation (trigger modes, output modes, bi-directional scanning, spatial correction)
- optimal mechanical design (70mm width)

and with an all-in-one approach, a single ELiIXA camera can replace a two camera system of a conventional colour camera and a monochrome or NIR camera.

***PRICES NOW REDUCED ON THE UC4/UC8 FAMILY***

## **AViiVA® UC2 and SC2, CCD Colour Line Scan Camera**

The new AViiVA Gigabit Ethernet UC2 camera compliments the existing Camera Link SC2 to provide low cost colour in a compact housing design (56x60x40.6mm). The camera incorporates a 4096 pixel sensor (10µm) with RGB filter giving 1365 colour pixels. These AViiVA cameras meet requirements of the most demanding applications, from web inspection to document scanning, for surface inspection to metrology.



**Loan cameras are available upon request and we would be pleased to come and visit you to demonstrate or to discuss your immediate or future requirements or give a written quotation.**

**We also offer specialist lighting, frame grabbers, software and lenses for a complete solution from one supplier.**

**FOR FURTHER INFORMATION PLEASE CONTACT: -  
IAN ALDERTON, ALRAD INSTRUMENTS LTD, ALDER HOUSE, TURNPIKE  
ROAD INDUSTRIAL ESTATE, NEWBURY, BERKSHIRE, RG14 2NS  
TEL: 01635 30345 FAX: 01635 32630  
EMAIL: [IAN@ALRAD.CO.UK](mailto:IAN@ALRAD.CO.UK)  
[WWW.ALRAD.CO.UK](http://WWW.ALRAD.CO.UK)**