
Title: New high performance Linescan Cameras for machine vision applications

Alrad Imaging is pleased to announce the enlarged family of the AViiVA® EM series of linescan cameras from e2v which now incorporate the latest high performance sensors.

The AViiVA® EM series of linescan cameras is now well established and all models feature the improved back thinned sensor design, which gives better sensitivity and spectral response. Also, the cameras with this latest sensor offer a significant improvement in maximum data rate: they can now run at 40MHz per tap, and therefore, at up to 160MHz for a four tap camera.

With 30 years experience in the professional imaging field, e2v is a key supplier to the machine-vision market. Recognized for the quality of their CCD and CMOS sensors and cameras, e2v designs and manufactures the class leading line scan AViiVA®, DiViNA® and ELiXA® camera ranges.

There are three cameras in the AViiVA® EM series range:-

- AViiVA® EM1 is the perfect candidate for applications requiring ease of use, high functionality, low system cost and a Gigabit Ethernet interface combined with the highest electro optical and line rate performances on the market.
- The AViiVA® EM2 is designed to be the best choice for mid-range applications, with resolutions from 0.5k to 4k pixels. The high performance electronics and CCD design give excellent results in terms of image quality and signal to noise ratio. Coupled to a rich feature set, such as automatic Flat Field Correction, Look-Up Table, and Automatic Tap Balance, it is an ideal choice for demanding inspection applications. The EM2 uses CameraLink interface.
- The AViiVA® EM4 sets new standards for line scan cameras in terms of speed and image quality. With resolutions of up to 4096 pixels, it delivers state of the art performance, without compromise. Its comprehensive built-in features, including automatic FCC, LUT and ATB, are positioning it as the perfect choice for high demanding machine vision applications. CameraLink interface is used. The EM4 benefits from e2v's long experience in imaging, and the proven qualities of the AViiVA® family: performance, reliability and high precision mechanical design.

More information available from our website www.alrad.co.uk



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