

L3M ANALOG MODULES  
FOR LOW LIGHT LEVEL  
CCD SENSORS

- > DRIVE CIRCUITRY FOR CCD65 SENSOR
- > MULTI-BOARD DESIGN FOR MAXIMUM USER FLEXIBILITY
- > CLOCK MODULE FOR OPTIMUM SENSOR PERFORMANCE
- > CAMERA CONTROL MODULE GIVES TOTAL OPERATING SOLUTION
- > IDEAL FOR CAMERA MANUFACTURERS AND SYSTEM INTEGRATORS



The next **revolution** in imaging is here



**HV CLOCK MODULE**

The HV Clock Module provides all the inputs required for driving the Marconi low light level CCD sensors. This complex operation is accomplished using a specially designed electronic solution that provides a simple interface for user operation.

System integration of the Marconi sensor is now made easier using simple input commands and signals.

- Size: 90 x 60 mm
- Power: single 12V input
- 7-pin interface for external control or direct connection to Camera Control Module
- 0-50V output to CCD HV phase
- Accepts clock frequency control
- Gain control input (0-5VDC)

**CAMERA CONTROL MODULE**

Camera Control Module comprising of two stages, will provide a total working solution for the customer wishing to incorporate L3Vision sensors, with the minimum amount of electronics design. The Camera Control Module consists of a Buffer and Bias board together with a video logic board, and interfaces directly with the HV Clock Module allowing complete control of the CCD sensor.

The two boards of the control module are designed to run independently thus allowing the end-user to provide independent camera control, or as an integrated board-set capable of outputting a standard video signal. Such a system allows the video logic board to be used as a reference system for verifying electronic capability.

- Consists of two discrete PCBs  
Buffer & Bias board  
Video logic board (detachable)
- Size: Buffer/Bias board 80 x 60 mm  
Video logic board 60 x 50 mm
- Power: 12V input
- 25 way D connector to CCD sensor
- 7-pin interface for HV Clock Module
- Interface for User control of CCD clock sequences
- Interface for control with Marconi Video Logic board
- Video output (1.25 mm two way connector)

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