

LightWise LW-SLIS-2048A-1394

Ultra-High Performance Line Scan Camera



Description:

The LightWise LW-SLIS-2048A Line Scan Camera provides an Ultra-High performance Linear Imager with high quality high-speed video with excellent response characteristics. The low cost and ease of integration into existing systems make it an excellent solution for a wide variety of applications. The interfaces to the Imaging Module are industry standard to provide ease of integration into target systems.

The SLIS Imagers operate at rates up to 60 MHz with 12-bit pixel resolution.

IEEE-1394 FireWire™ is IIDC DCAM Spec. Version 1.3 Compliant.

The camera has external opto-isolated programmable input/output's for trigger/strobe functions.

Offset and Gain Correction:

The Offset and Gain correction task will be performed by the FPGA on the Controller board. The FPGA algorithms in conjunction with an on-board dual 8-bit DAC perform automatic offset correction and semiautomatic gain corrections. These functions can be selected and activated by the provided ISG Graphical User Interface (GUI) software.

Customizable via FPGA's On-Board:

The On-Board FPGA allows for easy integration of custom algorithms and signal processing. Up to 400K gate equivalents and memory is available for custom hardware. This provides the user the opportunity to offload high speed imaging functions from the host computer.

Applications include:

High Speed High Resolution Scanning
Automated Inspection Systems
Machine Vision Systems

Contact Imaging
Bar Code reading
Encoding and Positioning

LW-SLIS-2048A-1394

IEEE-1394 FireWire™ Version

