

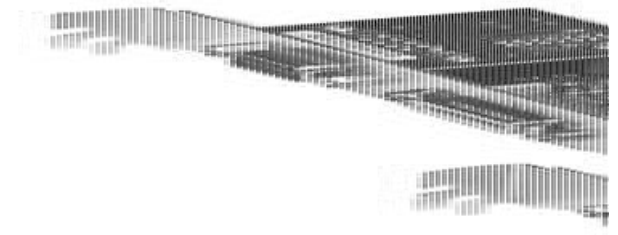
SOLIOS ECL / XCL-B CAMERA LINK FRAME GRABBER

SOL6MCLB

MTX FG PCIX SOL SBCL 64MB



- Low profile frame grabber
- Captures from frame and line scan cameras
- Handles one Base Camera Link configuration
- PCI-E x1 or PCI-X interface



PRODUCT DESCRIPTION

The Matrox Solios eCL/XCL-B is a Camera Link® frame grabber for cost sensitive applications. Its acquisition capabilities and PCI Express® (PCIe®) or PCI-X® bus interface make the Matrox Solios eCL/XCL-B an excellent match for entry-level cameras.

Matrox Solios eCL/XCL-B operates as a single-Base Camera Link® frame grabber featuring Power over Camera Link® (PoCL) with SafePower. With an acquisition speed of up to 85 MHz⁴ and multi-tap support including complete image reconstruction the Matrox Solios eCL/XCL-B is able to handle the most popular entry-level industrial or scientific area and line scan cameras. It can also transparently convert between monochrome and packaged/planar RGB color spaces enabling optimum representation of image data for processing and/or display freeing valuable host resources.

One lane PCIe® (x1) and PCI-X® are the interfaces used to connect to the host PC on the Matrox Solios eCL-B and Matrox Solios XCL-B frame grabber boards respectively. PCIe® is the follow-on to conventional PCI and PCI-X® whereas PCI-X® is a backwards-compatible enhancement to conventional PCI. Both the PCIe® x1 and PCI-X® implementations offers the right balance of performance and cost.

Technical specifications

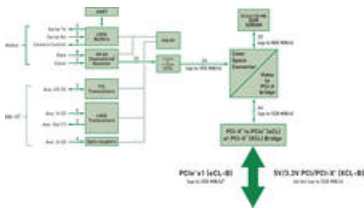
Hardware:

- PCIe® x1 card or PCI/PCI-X® card with universal 64-bit card edge connector (64-bit 33/66 MHz 5V/3.3V PCI and 64-bit 66/100/133 MHz PCI-X®)
- 64 MB of 100 MHz DDR SDRAM for acquisition
- handles a single Camera Link® Base port^{2, 3}
- PoCL (Power over Camera Link®) with SafePower support
- Channel Link™ speed of up to 85 MHz⁴
- supports frame and line-scan video sources
- full tap reconstruction from multi-tap sources³
- one 4K x 12-bit or three 256 x 8-bit LUTs
- three TTL configurable auxiliary I/Os
- two LVDS configurable auxiliary inputs
- one LVDS configurable auxiliary outputs

- two opto-isolated configurable auxiliary inputs
- serial communication port mapped as a PC COM port

BLOCK DIAGRAM

Matrox Solios eCL/XCL-B



SPECIFICATIONS

Bustyp	PCI-X
Memory RAM	64 MB