PIXCI® E4G2

PCI Express 2.0 x4 Camera Link Frame Grabber

Features
PCI Express 2.0 x4 frame grabber
Use in PCI Express Bus x16, x8, or x4 slot
20 gigabit per second DMA burst transfer rate
1400 megabytes per second sustained transfer rate
Two or four 26-pin MDR Camera Link connectors
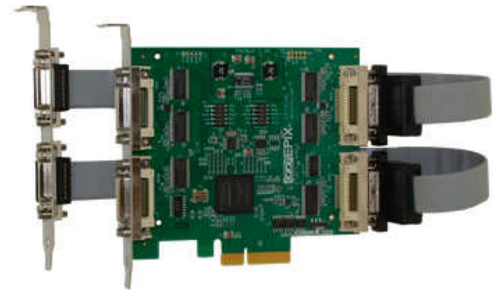64-bit memory addressing

Image Capture
Four base; two medium, full, or 80-bit cameras
Monochrome or color cameras
Individual lines or frames
Continuous video
Triggered sequence
To disk or memory

Trigger, Strobe, and I/O Signals
Camera exposure and asynchronous reset control
Trigger and frame enable inputs
Strobe output
General purpose inputs and outputs

Specifications
12 volts @ 120 mA, 3.3 volts @ 720 mA
11.46 cm long, 9.86 cm high, 4.51" long, 3.88" high
101 grams, 3.56 ounces
0 to 70 degrees centigrade operation
CE, FCC, ROHS Compliant
Camera pixel clock frequencies from 20 to 85 MHz

Shown with optional 2nd bracket and internal cables.

- **Camera Link Board**
- **PCI Express 2.0 x4**

Software
XCAP-Lite image capture, display, and save program included with frame grabber purchase

XCAP-LTD captures video to computer memory and more..
XCAP-STD streams video to disk and performs image processing and more..
PIXCI Selection Guide lists cameras supported with dedicated Capture & Adjust dialogs
XCAP supports all camera link cameras connected to PIXCI® frame grabbers
XCLIB programmer libraries for frame grabber and camera control
PXIPL image processing, measurement, and analysis libraries
Windows & Linux, 32 & 64-bit
TWAIN compatible
3rd Party software solutions also available.

SPECIFICATIONS

SIGNAL INPUT & OUTPUT:	EIA RS-644 (LVDS) Drivers & Receivers support pixel clock frequencies up to 85 MHz.
PERFORMANCE:	Supports the camera's max resolution, frame rate, and bit depth up to 1390 megabytes per second data transfer rate.
CONNECTIONS:	Four 26 pin MDR Camera Link connectors for up to four Base cameras or one or two 80-Bit, Full, or Medium cameras. Two 10 pin headers for trigger inputs and strobe outputs. Optional bracket with two additional MDR connectors and internal cables to connect a second 80-Bit camera, or a second Medium or Full camera, or a third and fourth Base camera.
BUS REQUIREMENTS:	PCI Express 2.0 x4 or better (5 GT/s) PCI Express 1.1 /1.0 x4 (2.5 GT/s)
POWER REQUIREMENTS:	12 V @ 120 mA 3.3 V @ 720 mA Total 3.816 Watts
DIMENSIONS:	11.46 cm long by 9.85 cm high (4.510" long x 3.876" high)
CERTIFICATIONS:	ROHS Compliant
EPIX SOFTWARE Support:	Supported by XCAP-Lite (no charge with board purchase), XCAP-Ltd, XCAP-Std, XCLIB, and XCLIBIPL. Compatible with 32-bit & 64-bit Windows 8, 7, Vista, XP, 2000, LINUX, and 32-bit DOS. Also TWAIN and Image-Pro Compatible.