



PIXCI EB1



Optional removal of 9-pin connector

PIXCI EB1-NDB9

Base Camera Link Frame Grabber
PCI Express x1
Low Profile



PCI Express x1 Base Camera Link Frame Grabber

Features

- PCIe x1 low-profile desktop frame grabber
- Operates in any PCI Express slot
- 2.5 gigabit per second burst transfer rate
- 200 megabytes per second sustained transfer rate
- One 26-pin MDR Camera Link connector
- Image data DMA transferred to motherboard memory
- 64-bit memory addressing

Capture

- From a Base Camera Link camera
- From line scan or area scan cameras
- From monochrome or color cameras
- Individual lines or frames
- Continuous video
- Triggered image sequences

Trigger and I/O

- Camera exposure and asynchronous reset control
- Trigger and frame enable inputs
- Strobe output
- General purpose inputs and outputs

Options

- Standard or low-profile bracket available
- Optional standard height bracket with Dsub for trigger, etc.

Specifications

- 12 V @ 90 mA, 3.3 V @ 120 mA
- 8.38 cm long, 6.88 cm high, 3.30" long by 2.71" high
- 48 grams, 1.7 ounces
- 0 to 70 degrees Celsius operation
- CE, FCC, & ROHS Compliant
- Accepts camera pixel clocks from 20 to 85 MHz

PIXCI[®] EB1

PCI Express x1 Base Camera Link Frame Grabber

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 maximum:
Horizontal Resolution
Vertical Resolution
Frame Rate
Bit Depth

CONNECTIONS:

One 26-pin 3M MDR Camera Link connector for Base.
9-pin connector for Trigger, Frame Enable, Strobe, and General Purpose I/O.
Camera Link cables available.

DATA TRANSFERS:

Supports cameras with data output rates up to 250 MBytes/second.
64-bit memory addressing

BUS REQUIREMENTS:

PCI Express x1 slot.
Operates in PCI Express x16, x8, x4, or x1 slot.

DIMENSIONS:

8.38 cm long by 6.88 cm high
(3.30" long x 2.71" high)

CERTIFICATIONS:

CE Compliant
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 10, 8, 7, Vista, XP, 2000, LINUX, and 32-bit DOS. Also TWAIN and Image-Pro Compatible.