EPIX®

PIXCI® D3XE

LVDS (RS-644) PCI Express x1 Frame Grabber

- PCIe x1 frame grabber for LVDS parallel output digital cameras.
- Captures at data rates up to 200 megabytes per second.
- Captures up to four 8 bit LVDS data channels, per PIXCI® D3XE.
- Captures up to 32 bit camera LVDS data, per PIXCI® D3XE.
- Capture 64 bit camera LVDS data, with dual PIXCI® D3XEs.
- Asynchronous image capture camera control.
- TTL trigger in.
- TTL strobe out.
- Camera exposure and reset control.
- Line scan or area scan cameras.
- Line drive and frame drive inputs.
- Two general purpose TTL inputs.
- Two general purpose TTL outputs.
- Single or dual board configurations.
- Video rate image sequence capture to computer memory.
- Windows & Linux, 32 & 64 bit software support.

Features:

- **Single or Dual Board Configurations**
- **Line Scan or Area Scan**
- **Up To Eight Data Channels**
- **Up To 64 Bit Camera Data**
- **Asynchronous Capture Control**
- **Differential Trigger In / Strobe Out**
- **Camera Integration and Reset Control**
- **Video Rate Image Sequence Transfer to Motherboard Memory**
- **Windows & Linux, 32 & 64–bit**

A few of the supported cameras: (Contact us if your camera is not yet listed.)

Atmel-Grenoble TH78CA13
Atmel-Grenoble TH78CA14
Atmel-Grenoble TH78CA15
DALSA DS-41-065K0955
DALSA DS-41-300K0200
DALSA CT-E4-4096W
DALSA CT-P1-1024W
DALSA CT-P1-2048W
DALSA CT-P1-4096W
DALSA CT-P4-6144W
DALSA CT-P4-8192W
DALSA TR31-01K25 10-Bit
DALSA TR31-02K25 10-Bit
Photo Research PR-920
DVP
Pulnix TMC-9700
Toshiba IK-TU51CU
Toshiba IK-TU61

SPECIFICATIONS

Supports The Camera's Maximum:
Horizontal resolution.
Vertical resolution.
Frame rate.
Bit depth.

Signal Levels:
Differential RS-644 camera image data input.
TTL trigger in/out.
TTL frame enable in/out.
TTL inputs, two.
TTL outputs, two.

Connectors:
One 100 pin cable receptacle.
One 10 pin header for TTL I/O & triggers.

Bus Requirments:
One full height PCI Express slot.
Operates in any PCI Express slot.

Dimensions:
Height: 3.676 inches, 9.337 cm.
Length: 4.75 inches, 12.065 cm.

Operational Temperature Range:
0 to 70 degrees Celsius operation, with no condensation