



PIXCI E4



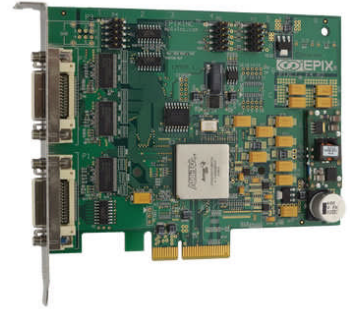
The **PIXCI E4** is a plug-n-play frame grabber. Load the software, connect the camera, and begin to capture images. In addition to supporting high bandwidth cameras, the PIXCI E4 supports more than 100 Full, Medium, and Base configuration Camera Link cameras with lower bandwidth requirements.

The PIXCI E4 offers :

- 700 megabyte per second sustained data transfer to PCI Express x4 bus.
- Camera specific controls - exposure, bit depth, gain, frame rate, etc.
- Camera operation in free-run mode for maximum frame rate sequence capture
- Camera operation in control (trigger) mode.
- With XCAP-Lite imaging program

Multiple PIXCI E4 boards can be installed in the same computer. The XCAP-Std program allows simultaneous use of the PIXCI E4 with other EPIX® frame grabbers supporting different camera models, either Camera Link compatible or not. XCAP-Std also offers video-to-disk capture, subject to the performance of the host computer's RAID array.

The PIXCI E4 is designed for the future. Although the PIXCI E4 can be used in any PC computer with a x4PCI Express bus and 512 MB of memory, it is designed to take advantage of the larger computer memories made possible by 64-bit addressing. The PIXCI E4 board allows streaming of image data directly to 8, 12, 16 or more Gigabytes of computer memory, allowing sequence capture for longer durations.



- High bandwidth Camera Link frame grabber
- PCI Express x4 bus
- 1 Gbyte/sec burst transfer
- Up to 700 Mbyte/sec sustained data transfer
- Line scan or area scan
- Camera Frame rate sequence capture
- Triggered image sequence capture
- 64-bit memory addressing
- Camera integration & async Reset control
- Integration from microseconds to minutes
- Images stored in motherboard memory or RAID array
- Windows & linux, 32 & 64-bit compatible
- RoHS compliant

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 :

Two 26 pin 3M MDR camera link connectors for full Medium, and base
6-pin connector for trigger, frame enable and strobe
Camera Link cables available

DATA TRANSFERS :

Supports cameras with data output rates up to 700 MB/ seconde

64-bit memory addressing

BUS REQUIREMENTS :

X4 PCI Express bus slot
Operates in x16, x8, or x4 PCI Express Bus slot

POWER REQUIREMENTS :

Average (mA) 2705.882
Minimum (mA) 2500.000
Maximum (mA) 2930.000

DIMENSIONS and CERTIFICATIONS :

13.6 cm long by 10.5 cm high
CE compliant
ROHS compliant

EPIX SOFTWARE SUPPORT :

Supported by XCAP-Lite (no charge with camera purchase), XCAP-Ltd, XCAP-Std, XCLIB, and XCLIBPL
Compatible with windows VISTA, XP, 2K, LINUX, and 32-bit DOS. Also TWAIN and Image-Pro compatible.

