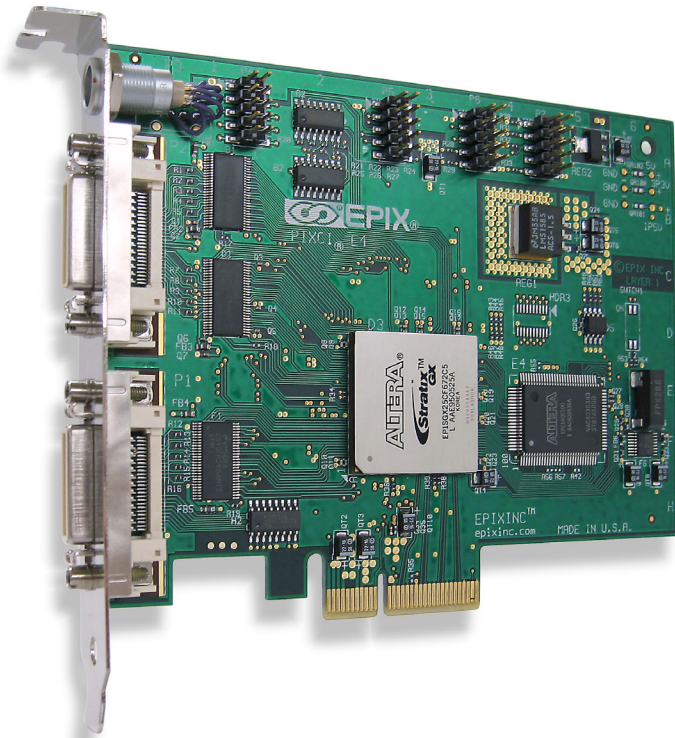


Dual Base Camera Link Frame Grabber For PCI Express



The **PIXCI® E4DB** frame grabber connects two Base camera link cameras to the PCI Express bus. The PIXCI E4DB is handled by EPIX' software as if two PIXCI E4 boards are installed. The E4DB will accept two trigger signals — one for each camera; or allows a single trigger to control capture from both cameras.

A strobe output signal is generated for each trigger. The PIXCI E4DB frame grabber supports two cameras with a combined sustained bandwidth up to 700 MB/second. Compatible with the PCI Express x4 bus, the PIXCI E4DB frame grabber interfaces to more than 100 of the newest, most advanced, highest bandwidth machine vision cameras available.

The PIXCI E4DB and XCAP offers:

- 1 GB/sec burst data transfer rate.
Up to 700 MB/sec sustained data transfer from cameras to x4 PCI Express bus.
- Two Camera Control Dialogs - independent or shared – exposure, bit depth, gain, frame rate, etc.
- Free-run mode for maximum frame rate sequence capture.
- Control mode for triggered image capture.
- Quantity one price \$1595.00 with XCAP-Lite imaging program.

The **PIXCI E4DB** is a plug-n-play frame grabber requiring no hardware setup or adjustment. Load the software, install the board, connect the cameras, and begin to capture images.

The **XCAP imaging program** supports up to 4 PIXCI E4DB frame grabbers allowing use of eight Base configuration Camera Link cameras in the same computer. The XCAP-Std program allows simultaneous use of the PIXCI E4DB 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.

Programmer's libraries and image processing subroutines are available from EPIX for solving the most difficult particle tracking, machine vision measurement, inspection, image sequence analysis, and flow analysis tasks. Third party software is also available.

Solutions and Support: EPIX, Inc. has been providing imaging solutions and support for OEM machine vision manufacturers and engineers since 1984. EPIX, Inc. assembles complete imaging systems with cameras, frame grabbers, high-performance PCI Express buses, and with RAID arrays for video-to-disk capture. EPIX imaging systems, custom-built to your specifications, feature Intel motherboards and processors. Contact EPIX, Inc., or an authorized EPIX, Inc. distributor, for help selecting cameras, frame grabbers, imaging software, optics, and computer systems.

- Supports One or Two Base Configuration Camera Link Cameras
- PCI Express x4 Bus Compatible
- 1 GB/sec Burst Data Transfers
- 700 MB/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
- Compatible with Windows XP, 2000, & Linux
- RoHS Compliant

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