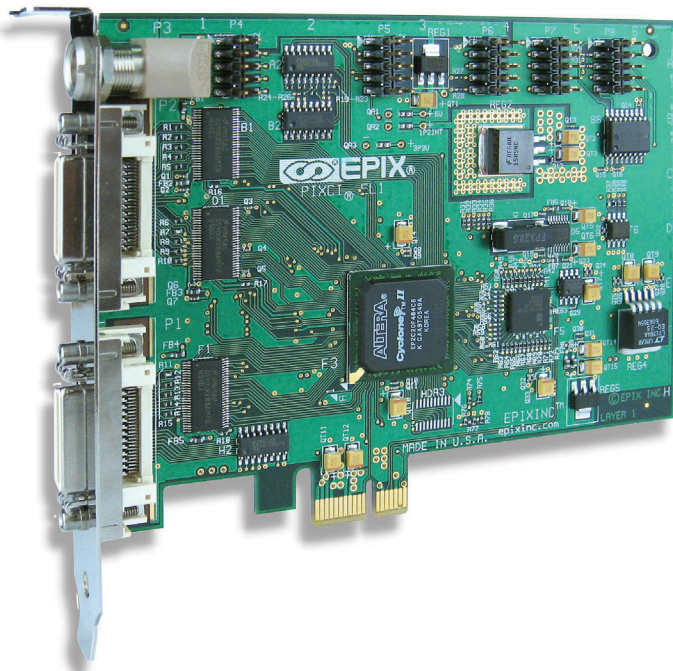


## PIXCI® EL1

### Low Cost PCI Express x1 Frame Grabber for Camera Link Cameras



- Full, Medium & Base Configuration Camera Link Frame Grabber
- PCI Express x1 Bus Compatible
- 250 Megabyte/sec Burst Transfers
- 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 & 32-bit DOS
- RoHS Compliant

The **PIXCI® EL1** frame grabber supports Full, Medium, and Base configuration Camera Link cameras. Compatible with the PCI Express x1 (by one) bus, the EL1 frame grabber interfaces to more than 100 of the newest, most advanced, highest bandwidth machine vision cameras available.

#### The PIXCI EL1 offers:

- Up to 204 Megabyte per second (sustained) data transfer to the host computer.
- 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.

The **PIXCI EL1** is a plug-n-play frame grabber requiring no hardware setup or adjustment. Install the board, load the software, connect the camera, and begin to capture images. Upon startup, the XCAP imaging program reads a camera identification chip on the PIXCI EL1 frame grabber, allowing XCAP to load the appropriate video format and display the camera's dedicated Capture & Adjust Dialog.

**Interfaces to almost any camera link camera.** The PIXCI EL1 frame grabber requires a x1 or wider PCI Express slot. Few high bandwidth cameras exceed the 204 MB/sec maximum throughput of the PIXCI EL1 board. Support for higher bandwidth cameras is available with the PIXCI E4 frame grabber, which transfers 700 MB/sec on a x4 PCI Express slot.

**The XCAP imaging program** supports up to eight PIXCI EL1 frame grabbers making it possible to use multiple Full, Medium, or Base configuration Camera Link cameras simultaneously. The XCAP-Std program allows simultaneous use of the PIXCI EL1 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.

**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 distributor of EPIX® imaging products, for help selecting cameras, frame grabbers, imaging software, optics, and computer systems.