

PIXCI[®] EC1

Selection Guide Manual Pricing

Ordering

Software

XCAPXCLIBPXIPL

**ExpressCard - Notebook Camera
Link Frame Grabber**



- Full, Medium & Base Configuration Camera Link Frame Grabber
- ExpressCard 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 directly to hard drive
- Windows & Linux, 32 & 64-bit
- RoHS Compliant



The PIXCI® EC1 frame grabber supports all Full, Medium, and Base configuration Camera Link cameras with bandwidth requirements of 191 Megabytes (1528 Mbits) per second or less. Compatible with **ExpressCard**, the mobile PCI Express interface for notebook computers, the PIXCI® EC1 offers dedicated support to more than 70 of the newest, most advanced, highest bandwidth machine vision cameras.

The PIXCI® EC1 offers:

- 191 megabytes per second, sustained, data transfer rate to laptop. Faster notebooks may provide up to 204 megabytes per second, sustained, data rates. Burst transfers at 250 megabytes per second.
- Camera specific controls - exposure, bit depth, gain, frame rate, etc.
- Camera operation in free-run mode for maximum frame rate capture.
- Camera operation in control (trigger) mode.

The PIXCI® EC1 is a plug-n-play frame grabber requiring no hardware setup or adjustment. Install the board, load the software, connect the camera,

and capture images. Upon startup, the XCAP imaging program reads a camera identification chip on the PIXCI® EC1 frame grabber, allowing XCAP to load the appropriate video format and display the camera's dedicated Capture & Adjust Dialog.

The XCAP imaging program offers video-to-disk capture subject to the performance of the notebook's hard drive. Capture 1600 x 1200 Bayer pattern color images, 14 frames per second, 8 bits per pixel, directly to notebook hard drive for 2 hours!

Interfaces to almost any camera link camera. The PIXCI® EC1 frame grabber requires a computer with an **ExpressCard/54** slot. Few cameras exceed the frame grabber's 191 megabyte per second sustained data rate. Support for base camera link cameras in a notebook is available with the PIXCI® ECB1. Support for higher bandwidth camera link cameras is available with the PIXCI® E4 frame grabber in a desktop computer with a x4 PCI Express bus. The PIXCI® E4 interfaces to cameras with a bandwidth requirement up to 700 Megabytes (5600 Mbits) per second.

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, and high-performance notebook computers. EPIX imaging systems, custom-built to your specifications, typically 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.