

PIXCI® ECB1

Frame Grabber:
Base Camera Link w. Trigger I/O
for Notebook Computers



- Base Configuration Camera Link Frame Grabber
- ExpressCard/54 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
- Compatible with 32 / 64-bit Windows & Linux
- RoHS Compliant

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The PIXCI® ECB1 frame grabber for ExpressCard/54, connects to all base configuration camera link cameras, and transfers image data at 250 megabyte per second burst rates into a notebook computer.

The PIXCI® ECB1 offers:

- 250 megabyte per second burst rate data transfers.
- Camera specific controls – exposure, bit depth, gain, frame rate, mode, etc.
- Camera operation in free-run mode for maximum frame rate.
- Camera operation in control mode for triggered capture.
- 64 bit memory addressing to access terabytes of memory.
- 14 pin connector for trigger, strobe, and other functions.
- Low cost — \$895.00 with XCAP-Lite.

The PIXCI® ECB1 frame grabber requires no hardware setup or adjustment. Load the software, install the PIXCI® ECB1, connect the camera, and capture images. Upon startup, the XCAP imaging program reads a camera identification chip on the PIXCI® ECB1 frame grabber, allowing XCAP to load the appropriate video format and display the camera's dedicated Capture & Adjust Dialog.

The PIXCI® ECB1 accepts a TTL trigger thru a 14 pin SDR connector allowing asynchronous applications to precisely control when the camera captures an image. The PIXCI® ECB1 outputs a TTL strobe for stop motion image acquisition.

The PIXCI® ECB1 frame grabber requires a notebook computer with an ExpressCard/54 slot. Few cameras exceed the frame grabber's 250 megabyte per second data rate. For the flexibility to use all camera link configurations: base, medium, full, and extended 80 bit input; in a notebook, the PIXCI® EC1 frame grabber is suggested. For higher bandwidth base, medium, full, or extended 80 bit input configuration camera link cameras, the PIXCI® E4 frame grabber, in a computer with x4 or wider PCI Express slot, is suggested.

Solutions and Support: EPIX, Inc. has been providing imaging solutions and support for OEM machine vision manufacturers and engineers since 1984. EPIX, Inc. assembles high-performance PCI Express bus computer imaging systems with cameras, frame grabbers, and RAID arrays for video-to-disk capture and analysis. Contact EPIX, Inc., or an authorized distributor of EPIX® imaging products, for help selecting cameras, frame grabbers, imaging software, optics, and computer systems.