PIXCI® EB1

Low Cost, Low Profile,
PCI Express Frame Grabber
for <u>ALL</u>
Base Camera Link Cameras
(including cameras with PoCL)

The PIXCI® EB1 PCI Express frame grabber, with high speed image transfers into any x1 thru x16 slot, supports all base configuration camera link cameras.

The PIXCI® EB1 offers:
• 250 megabyte per second burst rate image writes to x1 bus.
• Camera specific controls for many cameras –
  exposure, bit depth, gain, frame rate, mode, etc.
• Camera operation in free-run mode for maximum frame rate.
• Camera operation in controlled mode for triggered capture.
• Low profile for use in small computer cases.
• Low price – only $495.00 with XCAP-Lite imaging program.
• **PoCL** Support.

The PIXCI® EB1 supports all base camera link cameras whether standard (requiring a dedicated power supply) or PoCL. The PIXCI® EB1 provides **PoCL** cameras with **P**ower **o**ver **C**amera **L**ink. The PIXCI® EB1 detects whether a connected camera is PoCL compliant or not, and provides power to the PoCL camera while monitoring current flow. When a standard (non-PoCL) camera is connected, the PIXCI® EB1 connects the PoCL power pins to ground.

PoCL allows a camera to be smaller, as the camera doesn't need a separate power connector. PoCL eliminates the need for a camera power supply and AC connection.

The PIXCI® EB1NP, the same frame grabber without PoCL support, is available for $445.00.

PoCL cameras are gaining in popularity. Even if your current camera is non-PoCL, EPIX recommends the PIXCI® EB1, with PoCL support, to insure compatibility with PoCL cameras. The PIXCI® EB1NP is recommended for high volume, cost-sensitive OEM applications based on non-PoCL cameras.

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. Contact EPIX, Inc., or an authorized distributor of EPIX® imaging products, for help selecting cameras, frame grabbers, imaging software, optics, and computer systems.

■ **Base Camera Link Frame Grabber**
■ **PoCL (P**ower **o**ver **C**amera **L**ink**)**
■ **Low Profile**
■ **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 64 and 32-bit Windows or Linux; 32-bit DOS**
■ **RoHS Compliant**

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