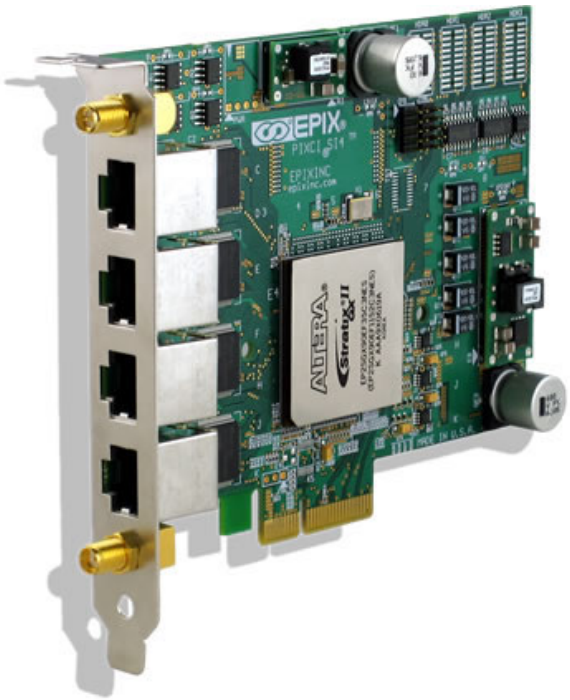
EPIX®

PIXCI® SI4

Simultaneous Capture from 4 SILICON VIDEO® Cameras



- Supports up to 4 SILICON VIDEO® Cameras
- Use tether cables as long as 9.1 meters (30 feet)
- Provides camera power - eliminates power supplies
- 1 gigabyte/sec Burst Data Transfers
- PCI Express x4 Bus Compatible
- 700 megabyte/sec Sustained Data Transfer
- Camera Frame Rate Sequence Capture
- Triggered Image Sequence Capture
- 64-Bit Memory Addressing for extended data capture
- Camera Integration & Async Reset Control
- Integration From Microseconds to Minutes
- Images Captured to Computer Memory or RAID Array
- Compatible with Windows XP, 2000, Vista & Linux
- RoHS Compliant

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The PIXCI® SI4 frame grabber supports 1 to 4 SILICON VIDEO® cameras. Cameras may be identical or mixed, and can operate simultaneously or independently. Image capture can be signaled from the computer keyboard, from the mouse, or by an external trigger signal. The PIXCI® SI4 can expose the four cameras from one trigger or can accept 4 independent TTL trigger signals.

Capture from **four** 5-megapixel color cameras, 12 bits per color, at 10 frames per second (fps). Capture from **four** VGA-resolution 10-bit monochrome cameras, at 204 fps. Mix **two** 5-megapixel cameras with **two** 1.3-megapixel cameras: achieve *both* high resolution *and* fast frame rate! Examples based on SILICON VIDEO® 5C10 and SV9M001 cameras from EPIX, Inc. Mixing cameras requires the XCAP-Std program.

The PIXCI® SI4 frame grabber offers:

- 1 gigabyte/sec burst data transfer.
- Up to 700 megabyte/sec sustained data transfer from cameras to x4 PCI Express bus.
- Maximum dynamic range (bit depth) in all modes, resolutions, frame rates, and pixel clock frequencies.
- Four Camera Control Dialogs for operation of four independent cameras, or just one Camera Control Dialog for convenient common control of all four cameras – exposure, bit depth, gain, frame rate, AOI, etc.
- Free-run mode for maximum frame rate sequence capture.
- Control mode to allow control of image capture from an external device.
- $2995.00 with XCAP-Lite imaging program.

The XCAP-Lite imaging program provides board and camera controls with limited capture and save capabilities. XCAP-Lite is primarily recommended for custom software development. Choose the XCAP-Ltd program for convenient sequence capture, display, and save to as much as 8 gigabytes of memory. Choose XCAP-Std for maximum capture, display, and save capabilities combined with extensive processing, measurement, and analysis (including video-to-disk capture, [subject to the performance of the computer's RAID array]). Programmer's libraries (XCLIB) and image processing subroutines (PXIPL) are available for solving the most difficult particle tracking, machine vision measurement, inspection, image sequence analysis, and flow analysis tasks. Third party software is also available.

EPIX, Inc. assembles complete imaging systems with cameras, frame grabbers, high-performance PCI Express motherboards, and 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.

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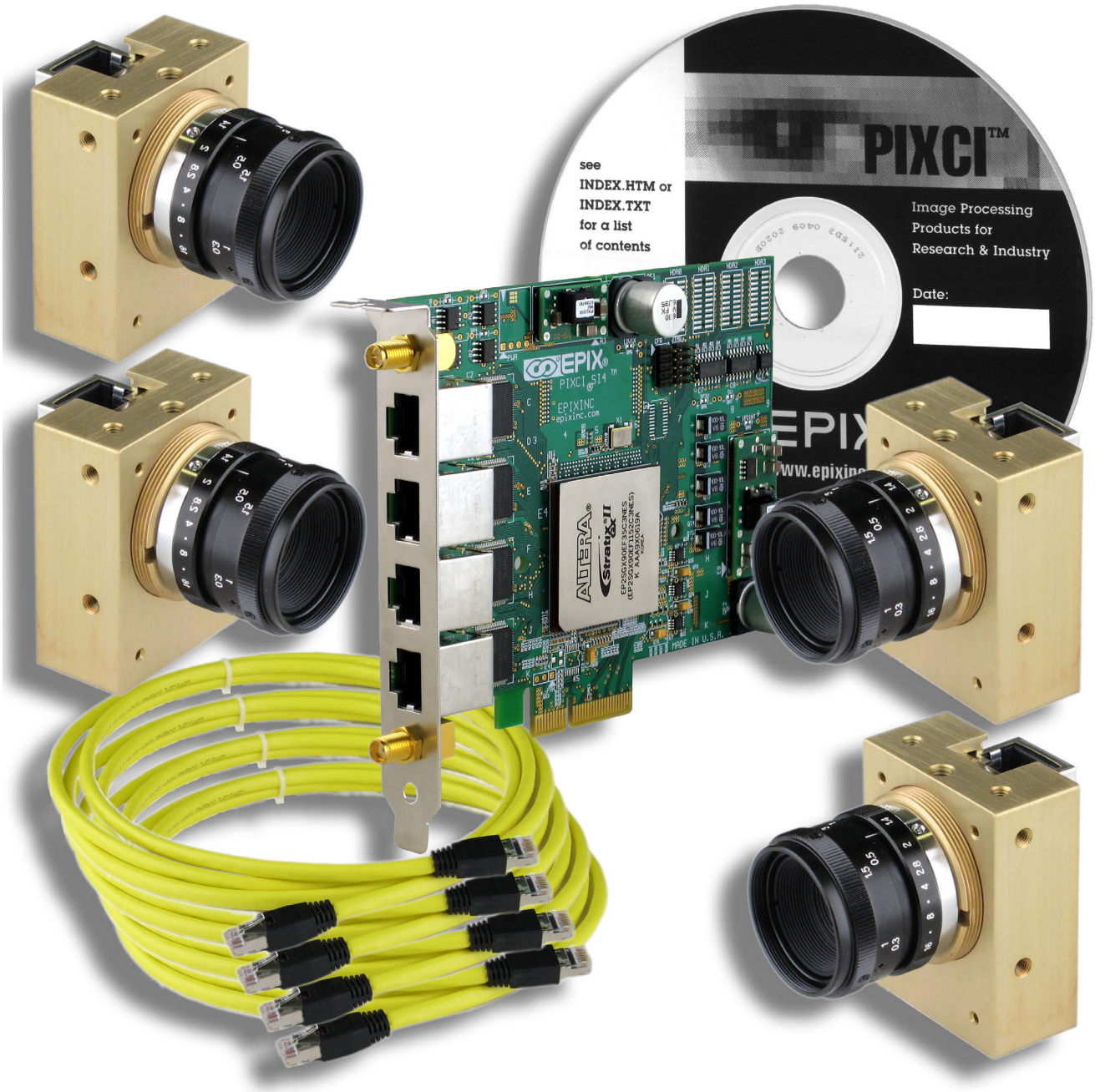

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