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פז"מ-טק (1991) בע"מ



PIXCI® SV7

Dual Composite Video PCI Express Bus Frame Grabber

Versions

Manual

Pricing

Software

XCAP

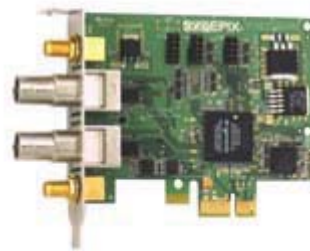
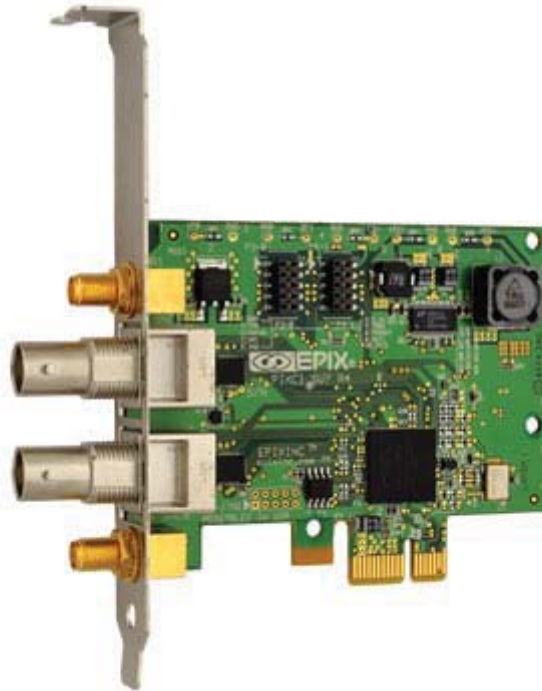
XCLIB

PXIPL

PDF

The **PIXCI® SV7** digitizes analog video from one or two standard composite video cameras (NTSC, RS-170, PAL or CCIR). The two inputs are independent, allowing capture of different resolutions, frame rates, and video formats. Digitized video is transferred to the PCI Express bus at video rate. As a PCIe bus master, the PIXCI® SV7 board transfers image data without using the host computer's processor. Images may be transferred, at full or reduced frame rates, to computer memory for processing and/or analysis by the host computer's processor(s), or to other targets on the PCI Express bus.

ACQUISITION The PIXCI® SV7 has two BNC jacks for composite video input. Live video from both cameras may be displayed on the computer's monitor at the same time. Programmable



With optional low-profile bracket

- Capture from one or two cameras
- Camera video formats:
NTSC, RS-170, PAL or CCIR
- 250 megabyte/sec
PCI Express Burst Data Transfers
- Plug into any PCI Express slot
- Sequence Capture at full camera frame rate
- Triggered Image Sequence Capture
- 64-Bit Memory Addressing for
extended data capture
- Images Captured to Computer Memory,
uncompressed, lossless
- Available with Standard or
Low Profile Bracket
- Windows & Linux, 32 & 64-bit Compatible






gain, hue, brightness, saturation, and contrast adjustments can condition the video signal. SMA connectors provide TTL Trigger In and Strobe Out. Up to 4 PIXCI® SV7 boards, in one computer, can capture at the same time from up to 8 video sources.

■ **RoHS Compliant**

The XCAP-Lite imaging program, provided at no charge with the PIXCI® SV7, provides independent Capture & Adjust Dialogs for each of the two inputs. If the two video sources (cameras) use the same format, and if their video outputs are to be captured with the same settings, then one Capture & Adjust Dialog provides common control. Choose the XCAP-Ltd program for extra display features, extended sequence capture to up to 8 GB of memory, and convenient saving of captured sequences to the hard drive. Choose XCAP-Std for maximum capture, display, and save capabilities (including direct video-to-disk capture) combined with extensive processing, measurement, and analysis features. 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 performance tested motherboards and processors. [Contact EPIX, Inc.](#), or an authorized [EPIX, Inc. distributor](#) for help selecting cameras, frame grabbers, imaging software, optics and computer systems.

VERSIONS

	Board & Description	Order Code	Price
	PIXCI® SV7	PIXCI-SV7	\$395
	The PIXCI® SV7 offers dual independent BNC inputs for the PCI Express bus. Optional low-profile bracket available.		
	PIXCI® SV5	PIXCI-SV5	\$215
	The PIXCI® SV5 offers 2 BNC and 1 S-Video multiplexed inputs.		
	PIXCI® SV5A	PIXCI-SV5A	\$285
	The PIXCI® SV5A offers 3 multiplexed BNC inputs. All other features are identical to the PIXCI® SV5.		
	PIXCI® SV5B	PIXCI-SV5B	\$185
	The PIXCI® SV5B offers 1 BNC input and 1 Loop Thru BNC output. The S-Video and trigger connectors are		

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removed to allow for a low-profile PCI form factor with an optional low-profile bracket. All other features are identical to the PIXCI® SV5.

PIXCI® SV5L

PIXCI-SV5L

\$195



The PIXCI® SV5L offers 2 Mini BNC and 1 S-Video multiplexed inputs. The trigger connector has been removed to allow for a low-profile PCI form factor. A full-height bracket is optional. All other features are identical to the PIXCI® SV5.

**PIXCI® SV5S**

PIXCI-SV5S

\$395

The PIXCI® SV5S offers 2 BNC and 1 S-Video multiplexed inputs. Adds additional circuitry that separates the vertical sync. from the video signal. All other features are identical to the PIXCI® SV5.

SPECIFICATIONS**CONNECTIONS:**

Two BNC Jacks: Composite Video Inputs

Two SMA Connectors: Trigger Input and Strobe Output, common to both units

Two 10-pin Headers: Trigger Input, Strobe Output, two General Purpose Outputs, and two General Purpose Inputs for each unit

Cables optionally available.

BUS REQUIREMENTS:

PCI Express x1 or wider slot.

356 mA at +3.3V 91.3 mA at +12V 2.27 total Watts

DIMENSIONS:

3.45 inches by 2.713 inches (low profile).

(8.67 cm long by 6.89 cm high)

OPERATING TEMPERATURE:

0°C to 70°C

Extended temperature range may be available as a special order.

EPIX SOFTWARE Support:

Supported by [XCAP-Lite](#) (no charge with camera purchase), [XCAP-Ltd](#), [XCAP-Std](#), [XCLIB](#), and [XCLIBIPL](#).

Compatible with Windows 7, Vista, XP, LINUX, and 32-bit DOS. Also TWAIN and Image-Pro Compatible.

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