ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

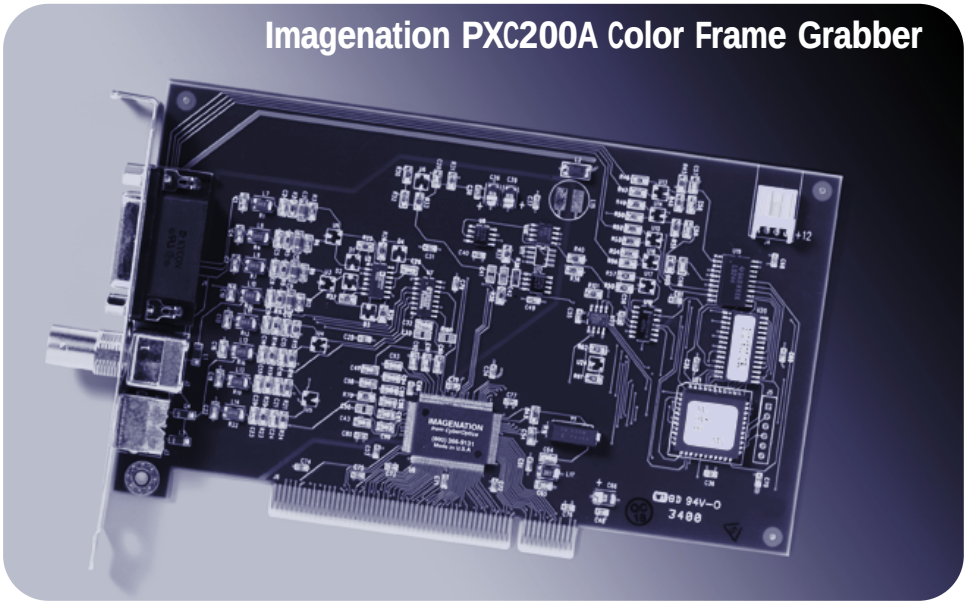
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *CyberOptics / Imagenation PXC-200L-02* at our website: ***Click HERE***

CYBEROPTICS SEMICONDUCTOR

Imagenation PXC200A Color Frame Grabber



Now you can get the features, flexibility and accuracy you need for high-performance color and monochrome video capture, at a surprisingly affordable price.

Affordable color solution for standard PCI formats

Built on robust features found in much more expensive products. The Imagenation PXC200A Color Frame Grabber combines high quality color and monochrome video capture with a Peripheral Component Interface (PCI) at an unusually affordable price. High accuracy, low pixel jitter and other leading features offer solid support for the most demanding industrial and commercial applications.

Acting as a PCI bus master, the PXC200A achieves real-time video capture to system memory. It handles data transfers while the main CPU is free to run other parts of your application or other applications. Image data can be transferred to a buffer in main memory or directly to another PCI device.

Four multiplexed video inputs can accept color video from NTSC, PAL and SECAM video sources. One of these can also be reserved for S-video. Color formats supported include YCrCb and RGB, while Y8 is supported for monochrome applications. Also included are real-time image scaling with interpolation, plus horizontal and vertical cropping to minimize memory and bus bandwidth requirements.

The PXC200A is easy to integrate into your application, providing support for commercial machine vision software including XCaliper, Halcon and CVB.

PXC200A options contribute higher performance and flexibility. The following features are included at a reasonable price with the PXC200A's optional control package (part number PXC200AF).

- Eight general purpose I/Os – programmable as four separate triggers and four strobes.
- Vertical and horizontal sync out for gen-locking a video source, providing a more stable image.
- Strobe inhibit during CCD transfer time for reliable image capture with strobes.
- A total of four video inputs– any or all of which can be S-video.
- DC restore on all 4 video inputs.

Comprehensive software support for Imagenation products. Demo programs for Windows makes it easy to get the PXC200A up and running right out of the box. They let you capture images and save images to disk .

Software support is also included for Borland and Microsoft C/C ++ compilers and other languages that can call standard Windows DLLs.

Our technical support engineers are on hand to provide assistance throughout your development process. Current software and examples are also available at the Technical Support page of the Imagenation product web site at www.imagenation.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

PXC200A Specifications

Input video formats	NTSC, PAL, SECAM, S-video
Input video	1V peak to peak, 75Ω
Resolution	NTSC: 640 x 480; PAL/SECAM: 768 x 576
Sampling jitter	Maximum of ± 4ns relative to horizontal synchronization (for a stable source)
Output formats	Color: YCrCb 4:2:2 and 4:1:1; RGB 32, 24, 16, 15; Monochrome: Y8
External trigger	Input pulled by 10k Ω to 5V, trigger requires a TTL pulse of 100 ns (minimum); software programmable edge or level sensitivity; software programmable polarity
ESD protection	All inputs and outputs are diode protected
Form factor	PCI short card, 174.6 x 106.7 mm (6.875 x 4.2 inches)
Video noise	≤ 1 LSB (least significant bit)
Camera power	+ 12 VDC output
Video multiplexer	Standard board: four video inputs (only one can be S-video); Optional Control Package: four video inputs, any or all of which can be S-video
Power requirements	+ 5 VDC, 500 mA
Operating temperature	0° C to 60° C
Warranty	One year limited parts and labor

PXC200AF–Optional Control Package Specifications

- Video expanded to 4 S-video inputs
- Independent DC restore on four video inputs
- Fast field detect for unsynchronized sources
- Four TTL inputs, four TTL outputs
- Horizontal and vertical drive outputs
- Inputs and outputs can be configured as triggers and strobes
  - – Programmable trigger edges, debounce
  - – Programmable strobe durations, polarity
  - – Video synchronized strobes programmable to any line
  - – Programmable association between triggers/strobes/grabs/video channel
- Strobes can be inhibited during CCD transfer time (programmable inhibit zone)

PXC200A Ordering Information

PXC200AL	Standard product
PXC200AF	Standard product plus optional control package
CB-008	Video cable for PXC200AF - 4 S-Video cameras, enables basic or extended I/O
CB-009	Video cable for PXC200A (L or F) - 4 Composite cameras, enables basic I/O
CB-020	Video cable for PXC200AF - 4 Composite cameras, enables extended I/O

Built-in software protection for the PXC200A is also available.

Contact us for more information or to discuss your application.

Toll free: (800) 366-9131 Phone: (503) 495-2200
Fax: (503) 495-2201
Email: csinfo@cyberoptics.com Web site: www.imagenation.com

Key Features

- PCI bus master design for real-time image capture
- Support for YcrCb, RGB and Y8 (gray scale) output formats
- Low pixel jitter
- Standard capture resolutions of 640 x 480 (NTSC) and 768 x 576 (PAL/SECAM)
- Four multiplexed video inputs (NTSC/PAL/SECAM/S-video)
- Real-time image scaling with interpolation, plus horizontal and vertical cropping
- Continuous, software-initiated and triggered capture of frames
- External TTL-level trigger
- + 12 VDC camera power supply
- Simple software interface
- Software development support for Windows 95/98/2000/NT/ME/XP
- Support for C/C++, Visual Basic and Direct Draw
- SDK included
- DAC reference generator eliminates inconsistency of AGC
- Verified to FCC Part 15 Class A requirements. Full compliance to CE EMC standards (EN-55022, EN-55024, CISPR-22)

CYBEROPTICS SEMICONDUCTOR

Copyright © 2002, CyberOptics Corporation. All rights reserved.
All tradenames are the registered property of their respective owners.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP