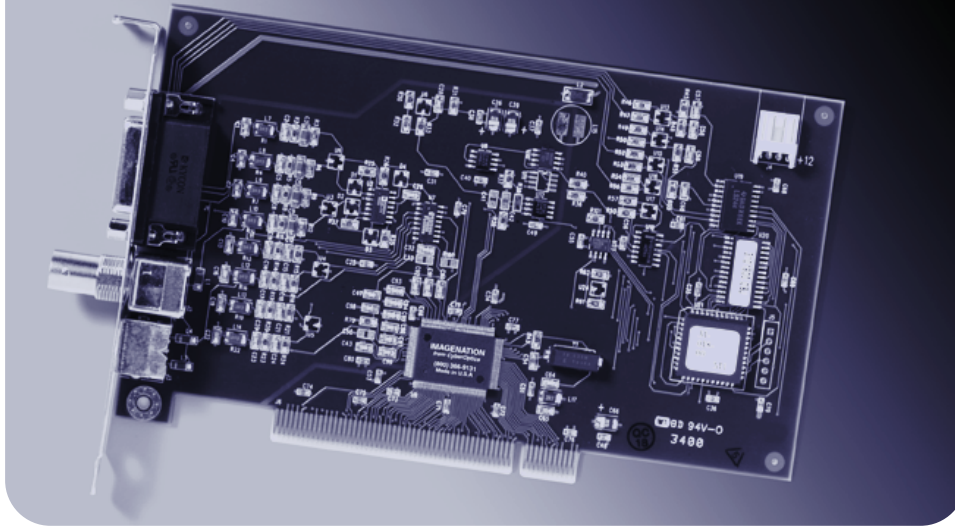


Imagination PXC200A Color Frame Grabber



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 Imagination 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 Imagination 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 Imagination product web site at www.imagination.com

