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PX Family
Datasheet (PDF)
Manual & Guide
Application Notes
Driver Updates
Example Source Code
Compatible Image Processing Software

Product FAQ
All Frame Grabbers
Home Page

Questions:
CSinfo@cyberoptics.com or
1-800-366-9131



PX Frame Grabber Family

Specifications & Features Overview
Common to all PX Family Members

Specifications

- **Bus** PCI bus master design for real-time image capture. PCI short card, PC/104-*Plus* core module and *Compact*PCI 3U size card
- **Input composite video format** Monochrome, RS-170 (NTSC) or CCIR (PAL) autodetect
- **Input video** 1 V peak to peak, 75W
- **Resolution** RS-170: 640 x 480 pixels (maximum: 768 x 486 pixels); CCIR: 768 x 576 pixels; 256 gray levels, 8 bits
- **Power** - + 5 VDC, PCI, 850 mA; PC/ 104-*Plus* and *Compact*PCI, 650 mA
- **Camera Power** - + 12 VDC output
- **Supported Operating systems** - DOS, Win 3.1, Win 95 / 98 / ME, Win NT / 2000
- **Supported Languages** C / C++, Visual Basic

Features

- **Sampling jitter** Maximum of ± 3 ns relative to horizontal synchronization
- **Software programmable look up tables (LUTs)** 256 byte input LUT
- **External trigger** Input pulled by 10k ohm to 5 V, trigger requires a TTL pulse of 100 ns (minimum); software programmable edge or level sensitivity; software programmable polarity
- **Strobe output** Two TTL outputs with independently programmable pulse widths and polarities to control resettable cameras, exposure time, strobe lights, etc.
- **Video noise** - < 0.8 LSB (least significant bit)
- **Video Multiplexer** Four video inputs which can be a mix of RS-170 and CCIR
- **Camera gen-locking** Horizontal and vertical drive outputs to gen-lock camera with a frame grabber
- **Resettable camera support** With high precision digital synchronization
- **Vertical and horizontal cropping and scaling** Minimize memory and bus bandwidth requirements
- **Programmable offset and gain**
- **Standard Product** FCC verification and CE marked
- **Software and manual included**

Specific to individual PX family products

	PX610A-00	PX610A-00E
Input composite video format	NTSC	CCIR
Video cache RAM (0.5 MB)		
Video cache RAM (1.0 MB)		
List price	$ 875.00	$ 875.00

Please call 1-800-366-9131 for additional ordering information.

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Cable

	PX Cable	List Price
4 Cameras, I/O	CB-006-01	$ 182.00

***Cable unnecessary for trigger input**

Online Orders may be shipped to customers in the United States or Canada. For international orders please call 1-800-366-9131 or see Imagenation's list of international distributors.

Prices listed are for domestic single unit orders; international pricing may vary because of the costs incurred for international shipping, tariffs and customs.

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