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Find the *Matrox CronosPlus* at our website: ***Click HERE***

Frame grabbers

Matrox **Cronos*Plus***

Ultra low-cost frame grabber for standard analog monochrome or color video acquisition.



Key features

- video capture board for PCI form factor
- captures from NTSC, PAL, RS-170 and CCIR video sources
- connect up to 4 CVBS or 1 Y/C input(s)
- trigger input
- 7 TTL auxiliary I/Os[1]
- 32-bit/33MHz PCI-bus master
- programmed using Matrox Imaging Library (MIL) sold separately
- supports 32-bit Microsoft® Windows® XP/Vista®

Cost cutting video capture solution

Matrox Cronos*Plus* is an entry-level frame grabber for extremely cost sensitive imaging applications. Utilizing a single highly integrated off-the-shelf chip, it delivers exceptional value and performance for standard analog monochrome or color video capture. Featuring simple standard connections, Matrox Cronos*Plus* provides the flexibility for additional cost savings.

Real-time capture to system or display

Matrox Cronos*Plus* can transfer acquired images to either system (host CPU) memory for processing or display (graphics card) memory for video-in-a-window at live video rates.

Video formatting

Matrox CoronosPlus is supported by the Matrox Imaging Library (MIL), a comprehensive collection of software tools for developing industrial imaging applications. MIL features interactive software and programming functions for image capture, processing, analysis, annotation, display and archiving. These tools are designed to enhance productivity, thereby reducing the time and effort required to bring your solution to market. Refer to the MIL datasheet for more information.

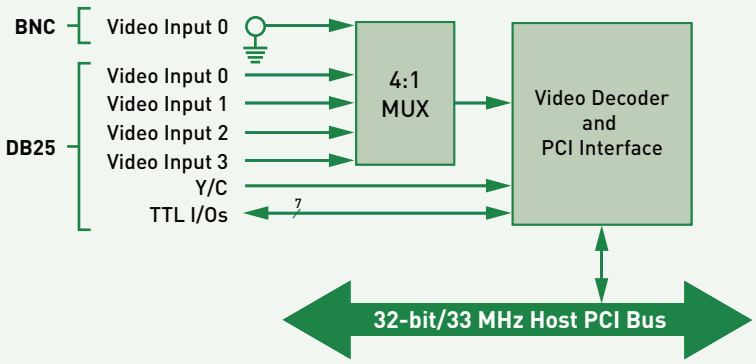
Field-proven application development softwaree

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MATROX
IMAGING

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Matrox Cronos*Plus*



Specifications

Acquisition
- analog composite (CVBS) or Y/C NTSC/PAL
- analog RS-170/CCIR
- automatic gain control (AGC)
- BGR32 packed, RGB24 packed, YUV422 packed and MONO8 pixel formats
- Opto trigger input (sync. to video)
- 7 TTL auxiliary inputs and outputs[1]
- connect up to 4 CVBS or 1 Y/C

Formatting
- input cropping (ROI capture)
- vertical/horizontal flip
- arbitrary downscaling to 1/64th of a field

Host interface
- 32-bit/33 MHz PCI bus master
- interrupts for start and end of field, frame and sequence capture
- universal 32-bit card edge connector

Connectors
- 1 BNC connector for composite video input
- DB25 for TTL I/Os, 4 composite video inputs, Y/C input and trigger

Dimensions and environmental information
- 13.7 cm L x 9.1 cm H (5.4" x 3.6")[2]
- operating temperature: 0° C to 55° C (32° F to 131° F)
- relative humidity: up to 95% (non-condensing)
- FCC/CE class B
- RoHS-compliant

Software Driver
- Matrox Imaging Library (MIL) driver for 32-bit Microsoft® Windows® XP/Vista®

Ordering Information

Hardware

Part number	Description
CRONOSPLUS*	Standard analog color/monochrome frame grabber.

Software
Refer to MIL datasheet.

Notes:

1. Three inputs and four outputs.
2. Dimensions from bottom edge of goldfinger to top edge of board.

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or e-mail: imaging.info@matrox.com or http://www.matrox.com/imaging

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