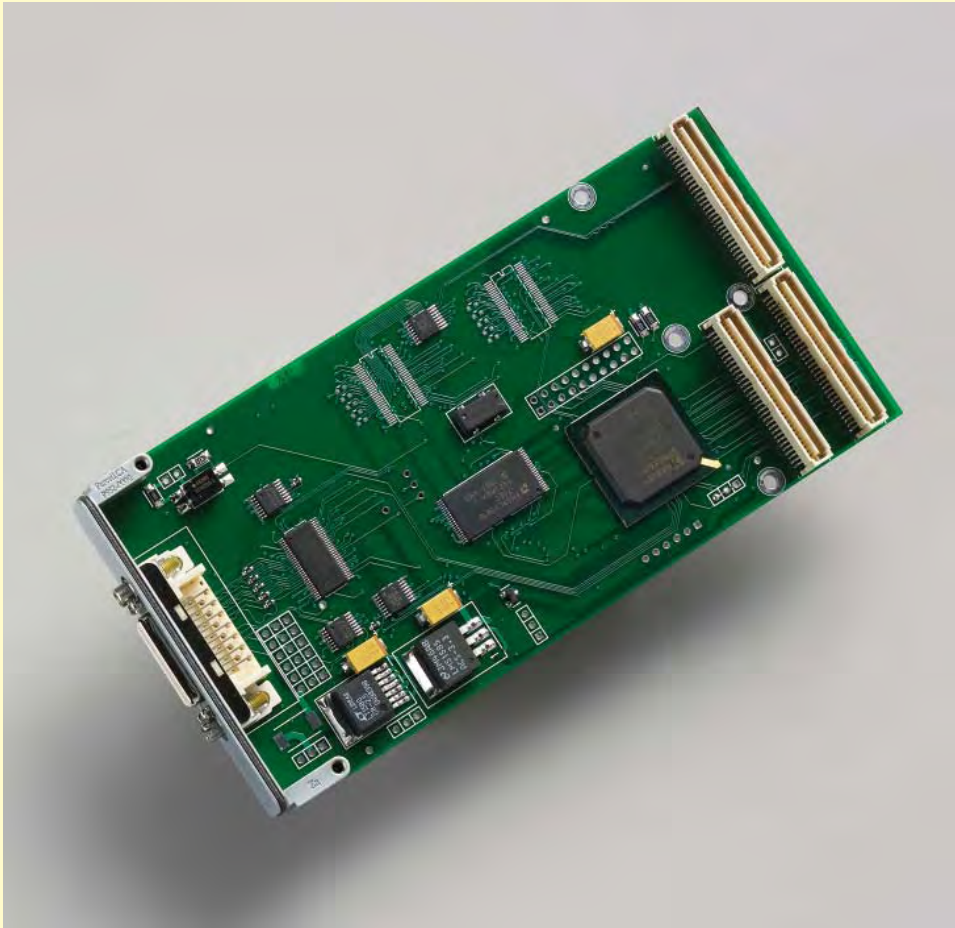


PMC DV C-Link

PMC digital video Camera Link framegrabber



Description

The PMC DV C-Link is a Camera Link framegrabber that provides high-resolution image capture for digital video. It has one MDR-26 pin connector to support one base-mode camera.

The compact board fits in any PMC slot. Images are captured and displayed in real time, and camera speed, resolution, and number of buffers are limited only by host bandwidth and memory.

Provided with the board are drivers for supported operating systems and a software development kit that includes C language libraries, examples, utilities, image capture or display GUI, camera configuration files, and Camera Link standard DLL for camera control.

Applications

Astronomy

Aerial mapping

Computer microscopy

Intelligent traffic systems

Manufacturing / inspection

Remote scientific monitoring

Medical and nuclear imaging

Image archiving

Machine vision

Multimedia

Security

Features

Camera Link framegrabber fills one PMC slot (32/64 bits, 33/66 MHz)

Supports one base-mode camera

Accepts images of any resolution; sends data directly to host via DMA

Provides onboard region-of-interest control

Supports data rates up to 220 MB/s, as supported by host

Specifications

Product Type	PMC DV C-Link is a PMC digital video Camera Link framegrabber.	
Memory	FIFOs for up to several lines of data; frame memory not included	
Data Rates	Theoretical Typical	Up to 220 MB/s 190 MB/s or maximum supported by host
Camera Link Compliance	Modes supported Pixel clock rate Serial CC1 - CC4 Connectors For a list of cameras that have been tested, see www.edt.com/pdvcl_cameras.html .	Base – common configurations 20 to 80 MHz Via API or serial DLL (9600 to 115,200 baud) Discretely programmable for steady-state, trigger, and timed pulse One (MDR 26-pin) for data and control
EU Compliance	CE RoHS WEEE	Contact EDT Contact EDT WEEE directive 2002/96/EC
PCI Compliance	PCI version Direct memory access (DMA) Clock rate / data width	PCI 2.3 Yes 33 or 66 MHz / 32 bits
PMC Compliance	P1386.1	
Noise	0 dB	
MTBF	Estimated at 200,000 hours	
Triggering	Via CC lines, or externally via connector (opto-coupled Berg or optional front panel – mate to Kings 1075-1)	
Cabling	Cabling is purchased separately; consult EDT for options.	
Physical	Weight Dimensions	2.9 oz. 2.9 x 6 in.
Environmental	Temperature Humidity	Operating 10° to 40° C; extended -40° to 60° C (33 MHz bus only) Non-operating -20° to 60° C Operating 1% to 90%, non-condensing at 40° C Non-operating 95%, non-condensing at 45° C
System and Software	System must have a PMC bus, 66 MHz or faster (33 MHz will work, but at reduced data rates). Software is included for Windows, Solaris, Linux, and Mac OS X and can be requested for VxWorks; for supported versions, see website.	

Support

EDT offers engineer-to-engineer customer support, from phone consultation to custom design of hardware, firmware, and software. Contact us for options and details.

Ordering Options

- Triggering: Kings front panel
- Environmental: Extended temperature

Bold is default. Consult EDT for more options.

Contact

Engineering Design Team (EDT), Inc.
1100 NW Compton Drive, Suite 306
Beaverton, Oregon 97006
800-435-4320 / 503-690-1234 (phone)
503-690-1243 (fax)
www.edt.com / info@edt.com