Supporting 4 channel PoCL-Lite interface
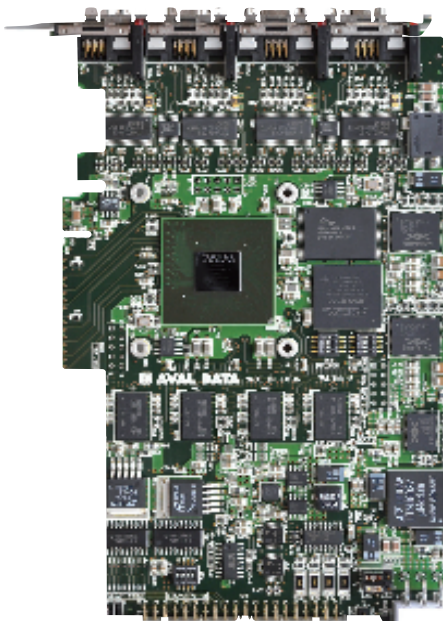# 8-lane PCI Express Frame-grabber board

AIP
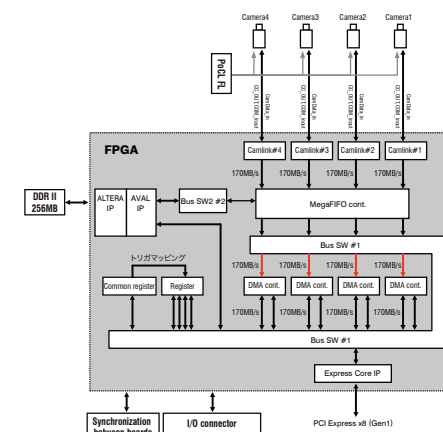
CameraLink PoCL-Lite I/F Board
APX-3311

● Features

◎ 4 Channel PoCL-Lite interface

◎ Supports both synchronization and asynchronization

◎ Bayer conversion demosicing by hardware

◎ Line reversal function

◎ Total 256Mbyte FIFO memories for image buffer (Each channel : 64MByte FIFO memories)

◎ Generates asynchronous signal by strobe output for each camera

◎ Total 12 of external trigger inputs (Photo isolation×4, TTL×4, RS422×4)

◎ Synchronous function enables image capture simultaneously between boards
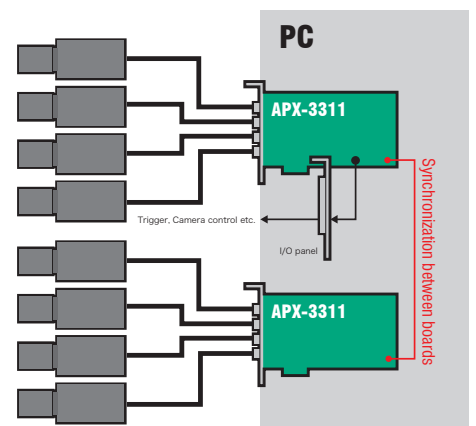
◎ PCI Express(Gen2) ×8 Lane

● Specification

Supported Camera	PoCL-Lite standard
Image capture	Camera Link PoCL-Lite 4channel
Memory	256MB
I/O(I/O triggers and control)	External trigger/general purpose input, Photo isolation input×4, TTL×4, RS422×4 　*External trigger:selectable from total 12 of external trigger inputs 　*General purpose input:available as the factors of input, selection or 　　interrupt of images to total 12 of external trigger inputs Output : Strobe open collector output×4, General purpose output×8 Synchronization of between the board to another board : TTL output×1, TTL input×1
Interrupt	Image capture start, DMA end, General purpose input (GPIN)
System bus	PCI Express (Gen2)×8 Lane
Power consumption	+12v, 1.2A
Environment	Temperature：0-50C, Humidity,35%-85%(non condensing)
Dimension	167.65mm×11.15mm, panel width：20mm(contained no projection)
OS	Windows7, WindowsXP

● Block Diagram

● Example of Synchronization

RoHS **CAMERA Link** **PoCL-Lite**

◢ AVAL DATA CORPORATION

1-25-10,Asahi-machi,Machida-shi,Tokyo,194-0023,Japan

TEL 042-732-1030　　FAX 042-732-1032　　E-mail sales@avaldata.co.jp　　URL http://www.avaldata.co.jp

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