

## **FASTX-APU FRAMEGRABBER**

The FastX-APU framegrabber series is for users who anticipate a demand for extreme I/O requirements and/or higher bandwidth, complex image processing and real-time high-speed storage in a cost effective platform. The base FastX-APU, is a two thirds length raw form factor PCIe (X4) Gen2 board with either six basic 85 MHz Camera Link Channels up to two extended full Camera Link camera interfaces. An auxilliary I/O connector provides a header for adaptation of other high speed interfaces such as GigEx4, high speed analog formats such as UXGA or DVI, or CoaXPress. The front-end data is formatted and preprocessed by a Kintex FPGA before being sent to the PCIe (X4) Gen 2 switch to the host or the AMD APU.



## **FASTX-APU PCIe KEY FEATURES:**

Raw PCI form factor board with 4 GB dedicated high speed DD2 DRAM for the front end Xilinx Kintex FPGA for sustained real-time front-end processing

The latest AMD G-Series APU with 16 GB of DDR3 memory for real-time compute intensive processing

- Collects data from up to six asynchronous Camera (channel) Links
- Programmable Kintex FPGA for I/O interface configuration and processing
- link

- Four lane PCle gen 2 bus interface
- Optional high speed I/O interface for alternative input formats such as GigEx4, UXGA/DVI, or CoaXPress

Supported by industry standard firmware development tools, including fully optimized basic data manipulation, data formatting and image processing routines written in open CL

■ Drivers for Windows<sup>™</sup> 7, Linux



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## **FASTX-APU BOARD OVERVIEW**

