



EIZO Rugged Solutions Targets Avionics and Vetrronics with Dual 3G-SDI Video Input and Output on Rugged XMC Graphics Card

- *Low power, SWaP-optimized Condor 4107xX conduction-cooled card functions as an XMC graphics card and 3G-SDI video capture with OpenCL support.*

Altamonte Springs, Florida, USA, May 19, 2016 – EIZO Rugged Solutions Inc. (formerly Tech Source, Inc.) has announced the Condor 4107xX conduction-cooled XMC graphics card with OpenCL support.

Based on the AMD E8860 GPU and designed for seamless integration with VPX single board computers (SBCs), the low-power, SWaP-optimized Condor 4107xX XMC graphics/video card provides 3G-SDI video capture capability with dual 3G-SDI video inputs and outputs on the rear XMC I/O connector. The 3G-SDI interface has several advantages. It supports the HDTV resolution (1080p) at the full refresh rate of 60 Hz. It can also carry video up to 100 meters on thin coaxial cables that are far smaller and lighter compared with RGB and DVI interfaces.

Selwyn L. Henriques, president & CEO of EIZO Rugged Solutions Inc., said, “The Condor 4107xX provides the ideal all-in-one solution for modern airborne applications, where 3G-SDI is becoming the interface of choice. The dual functionality offers an optimize solution with a large reduction in size, weight, and power (SWaP) and makes the Condor 4107xX particularly useful for rugged avionics and vetrronics applications where SWaP reduction is key.”

The AMD GPU on the Condor 4107xX supports OpenGL, DirectX, and OpenCL and can be used for high-performance GPGPU applications. This enables developers to capture video data from a camera or other SDI source, perform video tracking or analysis on the data using the GPU, and then send the 3G-SDI video to a compatible display device.

Applications can access video streams in the form of raw frames for processing, 360° stitching, frame/video analysis, compression, or video streaming. All decoding, scaling, video combining, and format conversions can be performed in the GPU with minimal impact on the CPU.

For more information on the Condor 4107xX card or any other product from EIZO Rugged Solutions, please visit www.eizorugged.com, email condor@eizo.com, or call +1 (407) 262-7100.

Media Photo:

http://www.eizorugged.com/press/releases/images/Condor_4107xX_press.jpg

Product datasheet:

http://www.eizorugged.com/support/brochures/pdfs/Condor_4107xX.pdf

Media Contact

Bill Fox
EIZO Rugged Solutions
Phone: +1 (407) 262-7100



Email: condor@eizo.com

About EIZO Rugged Solutions Inc.

EIZO Rugged Solutions Inc., formerly Tech Source, Inc., has been developing graphics and video solutions for air traffic control, military, and embedded applications for over 28 years. The ISO9001:2008 certified company offers a range of commercial off-the-shelf (COTS) products, including graphics processors targeted at GPGPU applications, video input solutions, video compression and streaming boards, imaging cards, recording solutions and software libraries. The company designs and manufactures its core MIL-STD-810 graphics and video products in the USA from its facility in Altamonte Springs, Florida and serves customers in defense, security, aerospace, avionics, transportation, maritime, and industrial markets.

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