Tech Source
An EIZO Group Company

FOR IMMEDIATE RELEASE

Tech Source Releases Condor VC102x XMC Card that Alleviates Video Relay Bandwidth Hurdles

- *The Condor VC102x delivers H.264 compression and raw video capture with HD-SDI/TV inputs and dual Ethernet outputs*

Altamonte Springs, Florida, September 30, 2014 – Tech Source, Inc., an independent supplier of high performance embedded video, graphics, and high end computing solutions, has introduced its ultra-low power, rugged Condor VC102x XMC H.264 compression and raw video capture card.

The card provides a novel solution to the video relay bandwidth hurdles and latency issues experienced by developers of manned and unmanned avionics solutions and other military and industrial video streaming applications.

The Condor VC102x features two H.264 encoders on board and two dedicated Ethernet outputs, acting as a frame grabber as well as an H.264 encoder. As a result, the card can be configured to provide raw video (1080p at 30 frames per second) to a local host for real time viewing and image analysis while simultaneously sending an encoded stream to the on board Ethernet ports for transmission to a remote location using real-time transport protocol (RTP).

Selwyn L. Henriques, president and CEO of Tech Source Inc., commented, "Latency will always be an issue when sending video from an aircraft back to ground. However, our configurable H.264 encoder enables the customer to manage the tradeoff between size, quality, power, and speed, as well as the compression level and bandwidth limitations to ensure a successful implementation.

"We have implemented our H.264 hardware encoders in several current avionics programs and have achieved the low encoding latency and very high efficiency that is required."

The Condor VC102x is a high definition (HD) or standard definition (SD) card that features an H.264 video encoder with baseline, main, and high profile support up to Level 4.1. H.264 encoding is performed in hardware to minimize CPU usage. There are two main variants of the card – one that supports two SD/HD-SDI video inputs and one that supports two composite video (TV) inputs.

Condor VC102x is available in various ruggedized levels and has conduction or convection cooled variants. While Windows 7 or Linux drivers are available by default, other real time

operating systems (RTOS) such as VxWorks, Integrity, and LynxOS may be optionally supported on both X86 and PowerPC platforms.

Tech Source has been developing graphics solutions for air traffic control, military, and embedded applications for over 27 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. Key markets include airborne, shipboard, unmanned aerial vehicles (UAV), and ground-based systems.

For more information on the Condor VC102x card or any other product from Tech Source, please visit www.techsource.com, email embeddedgraphics@techsource.com or call +1 (407) 262 7100.

A high resolution photograph to accompany this news release is available at:
www.techsource.com/press/releases/images/Condor_VC102x_press.jpg

A technical data sheet is available at:
www.techsource.com/support/brochures/pdfs/Condor_VC102x.pdf

-ends-

About Tech Source (www.techsource.com)

Tech Source, Inc. has provided computer graphics hardware solutions to the air traffic control and defense markets for over 25 years. Tech Source is a group company of EIZO Corporation, a leading global manufacturer of high-end visual display products. The companies offer combined expertise, cutting-edge graphics solutions, and complementary product lines for ATC, defense, and other specialty markets.

All company and product names are trademarks or registered trademarks of their respective companies. Tech Source is a trademark, and EIZO is a registered trademarks of EIZO Corporation.

Media contact:

Bill Fox
Tech Source, Inc.
Phone: +1 (407) 262-7100
Email: embeddedgraphics@techsource.com