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Media Contacts:

Cameron Hill Z3 Technology (402) 323-0702 cameronhill@z3technology.com

Introducing Z3 Technology's Z3-MVE-20 Dual Channel HD H.264 Encoder, based on the DM368 DaVinci™ digital media processor

Lincoln, NE USA (April 11, 2011) – Providing the latest solutions in integrated multimedia products, Z3 Technology today announced the immediate availability of the Z3-MVE-20 Dual Channel HD H.264 Encoder, based on Texas Instruments (TI) DaVinci™ digital media processor platform.

The Z3-MVE-20 is a cost-effective system suitable for broadcast, video security, satellite uplink, remote monitoring and industrial applications. It is now available as a complete, out-of-the-box 1 RU rack-mount system capable of processing two channels. Based on the TMS320DM368 DaVinci™ digital media processor from Texas Instruments (TI), Z3's Z3-MVE-20 provides customers with immediate access to dual-channel, multi-format HD video, integrated system peripherals and production-qualified codecs.

The Z3-MVE-20 features multiple I/O interfaces, such as HD-SDI, HDMI, component, composite, ASI and Ethernet. Multiple interfaces allow customers to quickly integrate full H.264 1080p30 performance into their network without the power consumption of a PC-based platform.

“The Z3-MVE-20 can be configured as a single-channel or dual-channel encoder, where the latter offers the advantage of lower power consumption and lower cost per channel, compared to a PC system,” said Aaron Caldwell, CEO Z3 Technology. “Each channel can be independently configured for 1080p30 H.264 encoding, extending the possibilities for hybrid multimedia applications.”

“The new dual-channel HD H.264 encoder from Z3 provides an out-of-the-box, working, ASIS-configured product the customer can immediately use for broadcast, security and industrial applications,” said Sean Gardner, video infrastructure business manager, TI. “Solutions like these provide customers with immediate dual-channel, multi-format HD video, and we're happy to work with a company like Z3 that continues to innovate these plug-in-ready products.”

Z3-MVE-20 Key Features:

- Two identical and completely independent HD encoders
- Each independent HD encoder supports:
 - Resolutions up to 1920x1080, including 1080i, 1080p30 and 720p60
 - Video and audio decoding
 - Standard Definition encoding for ISDB-T, DVB-H, and other standards
 - Video Inputs: SD/HD-SDI, HDMI/DVI, Component, Composite, VGA
 - Output Interfaces: Ethernet, ASI

- USB interface for mass storage devices or other peripherals
- SD Card interface for local storage and firmware updates
- RS232 serial port for configuration and control

Z3 Technology will demonstrate the Z3-MVE-20 at the 2011 NAB Show (National Association of Broadcasters). Please visit us in booth number SU6517 in the South Upper Hall.

<http://www.z3technology.com/Z-News.htm>

About Z3 Technology

Z3 Technology is a provider of OEM ready multimedia systems for a variety of video-centric end applications. Our mission is to provide our customers a production proven multimedia system and superior technical services to substantially reduce customer cost and time-to-market. Z3 can be contacted world-wide through our partner network or at our corporate office as follows:

Z3 Technology
4701 Innovation Drive
Lincoln, NE 68521 USA
+1.402.323.0702
www.z3technology.com

About the Texas Instruments Developer Network

Z3 Technology is a member of the TI Developer Network, a community of respected, well-established companies offering products and services based on TI analog and digital technology. The Network provides a broad range of end-equipment solutions, embedded software, engineering services and development tools that help customers accelerate innovation to make the world smarter, healthier, safer, greener and more fun. www.ti.com/dspdevnetwork

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