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**Agency contact:**

Rae Morrow  
Wall Street Communications  
+1 (775) 626-7722  
rae.morrow@wallstcom.com

**Telairity contact:**

Shubha Tuljapurkar  
Telairity  
+1 (408) 764-0270 x104  
shubha@telairity.com

## **Telairity Launches HD H.264 Video Encoding Motherboard**

*TM8000 is Customizable Board Solution to Speed Time  
to Market for OEMs*

**AMSTERDAM (IBC) — Sept. 9, 2006 —** Telairity today announced that it is making its real-time H.264 HD compression technology available in the form of a motherboard solution that OEMs can use to create next-generation broadcast encoders that provide high-quality images at a low bit rate and low latency.

As a cost-effective HD video compression solution, the compact TM8000 board will speed time to market for manufacturers of video encoders, servers, cable head-ends, or any other distribution point for applications including broadcasting, news streaming, content aggregation, satellite/cable, VOD, and video surveillance.

The TM8000 board can be customized by OEMs using their own mezzanine or add-in cards to enable audio encoding and transport stream outputs for specific applications. Or, as an alternative for customers who need a complete out-of-the-box solution, Telairity offers the TM8000A mezzanine add-in card with MPEG-4 AAC-LC audio encoding and transport stream-out functionality.

*More...*



“By offering the TM8000 motherboard as a stand-alone product, Telairity is enabling OEMs to create encoders that are tailored to provide specific, differentiated features for their individual applications,” said Howard Sachs, Telairity founder, president, and CEO. “We are providing the fundamental video encoder hardware and software design, so each OEM can focus on its particular value-add while getting to market much more quickly.”

The TM8000 motherboard accepts uncompressed 1080i and 720p (4:2:2) HD-SDI video inputs and encodes in compliance with the H.264 Main profile, Level 4 standard. Users can select between constant bit rate (CBR) and variable bit rate (VBR) encoding options with bit rates ranging up to 20 Mbps. Compressed video and audio is output on an MPEG-2 transport stream via DVB ASI.

Based on the software-programmable Telairity-1 video architecture, the TM8000 is software-upgradeable to enable future quality, feature, and FRext standard enhancements.

The TM8000 is being demonstrated this week as part of the Telairity exhibit at IBC2006 stand 2.321 and will begin shipping in January, 2007.

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#### **About Telairity**

Telairity delivers solutions for high-definition (HD) broadcast-quality video applications. Products built on the company's Telairity-1 real-time HD video architecture deliver the industry's highest level of video processing available and address emerging standards for video compression including H.264. Telairity supplies highly integrated, complete hardware and software solutions that enable OEMs to get to market quickly with cost-effective, highly reliable and high-quality encoding systems. Telairity products address a number of markets, including broadcast encoders, video servers, video editing and authoring systems, video conferencing, and security and surveillance. The company was founded in 2001 and is based in Santa Clara, Calif.

Telairity, Telairity-1, and BE8000 are trademarks of Telairity, Inc.

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