



Press Release

September 2006
FOR IMMEDIATE RELEASE
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ATEME releases its Single Channel IP Video Encoder VSIP2 in H.264

Today, Kane Computing Ltd announced the UK launch of the VSIP2 single channel H.264 audio/video encoder, a new production ready design from ATEME a world-leading provider of MPEG-4 and H.264 video solutions.

Based on its experience as leader in H.264 compression in the Broadcast & Broadband market ATEME has designed a new generation of high quality, compact and cost effective products for the Video Surveillance market.

VSIP2 provides the customer with a flexible solution incorporating a complete set of features: high video quality in H.264 at low bit rates, easy integration and interoperability with all the standard H.264 players on the market (VLC™, Apple QuickTime™...).

VSIP2 is available in three form-factors, depending on the customer's requirements: printed circuit board, stand-alone or blade (for rack based systems). Also, VSIP2 can be purchased as a reference design. Its small form factor is a perfect fit where space is limited. Up to 20 VSIP2 units can be installed into a 3U rack.

The VSIP2 board provides a complete software, hardware and application bundle that includes many advanced functions: On Screen Display, IP tunneling to control PTZ cameras, alarms..., as well as top of the range video quality. Every VSIP2 is delivered with a PC SDK (Software Development Kit) to enable an easy integration with existing supervisor systems. Based on DSP technology, every VSIP2 can be upgraded from MPEG-4 to H.264 (with or without AAC Audio, depending on the customer's needs). This upgrade is purely software and does not require any hardware redesign.

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VSIP2 includes "best-in-class" H.264 video compression, ensuring an excellent image quality and enabling full frame rates at low bit rates. H.264 encoding reduces by 25% the bandwidth for the same video quality as MPEG-4. Moreover, ATEME's H.264 implementation introduces features that improve the encoding quality: the deblocking filter reduces the blocks on the picture (Baseline feature), the field mode encoding (Main Profile feature) improves interlaced video processing and CABAC (Baseline feature), which is an entropy encoding mode, allows an even more efficient compression.

"I'm very impressed by the strong effort that has been put in to optimise our H.264 implementation to match the requirement of the video security market. Our goals were reached outside of our expectations with high picture quality, low latency and special features dedicated to the security market. We have begun our main deployments for major traffic management projects and transport surveillance systems with excellent feedback from the market", says Thierry Tourneux, Video Security Strategic Business Unit Director at ATEME.

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About ATEME:

ATEME (www.ateme.com) is a world-leading provider of MPEG-4 video compression technology. ATEME's technological solutions are particularly designed for the fields of digital television, video surveillance and professional audio/video applications. They are marketed in the form of FPGA and DSP based software and onboard solutions.

About Kane Computing

KCL (www.kanecomputing.co.uk) has been providing Image Processing, DSP and high performance computing products for use in industry, education and research since 1987 and is a Texas Instruments Third Party Partner specialising in consultancy and advice on TI development tools/platforms and image processing applications. KCL have extensive knowledge and experience of providing video compression solutions for many industries particularly for digital video security and high quality broadcast applications. KCL has a policy of continual improvement and operates its business in accordance with the requirements of ISO9001:2000.

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