



PRESS RELEASE FEBRUARY 2010

Embedded card provides MPEG-4, MPEG-2 and M-JPEG compression

New York, NY and Cambridge, England – February, 2010.

Advanced Micro Peripherals' new MPEG4000WA is a multi-format video encoder which combines graphics overlay, motion detection and enhanced Watermark Authentication on an industry standard PC/104-Plus module. The MPEG4000WA serves as a very powerful solution for capturing and compressing up to 4 concurrent live analog video inputs to full D1 resolution using either MPEG-4, MPEG-2 or M-JPEG encoding standards. The board can also encode audio for each video channel. The board can decompress

and play back recordings from storage to display and offers an additional incoming live video path for simultaneous preview on the host screen.

Digital watermark authentication technology assures users that the recorded data is protected



from unauthorized tampering, modification or editing. It uses a patented digital watermarking algorithm which is classed as *sensitive*, making any attempted interference with the data immediately evident during playback. The algorithm is sensitive to most image manipulation operations including scaling, cropping, frame removal and insertion, macroblock swapping and others. Detection of spatial and temporal tampering is also possible.

For digital video recorder (DVR) and video streaming applications, the MPEG4000WA enables full bit mapped graphics overlay with several levels of alpha-blending to be combined with the live video for both preview and compression. The board also supports motion detection (based on a defined region of interest) along with a 'baby-sitting' mode which can be used to control the recording process based on detected activity. With the supplied SDK, user defined data such as camera identification, date, time and location data is easily added to the video image.

The MPEG4000WA is supported by a comprehensive suite of drivers for embedded PC based Windows XP / XP Embedded and Linux systems. The standard video recording SDK and sample applications are supplied free with the board. AMP also offers a Video Streaming SDK enabling compressed video to be streamed in real-time over an IP network.

The MPEG4000WA is available as both commercial and extended temperature (-40°C to +85°C) range variants and may also be supplied with conformal coating for defense and industrial applications.

Remember - AMP is a product and service company - you can rely on AMP for free, long term technical support throughout your entire project lifecycle.

About Advanced Micro Peripherals (www.amp-usa.com)

Advanced Micro Peripherals is a leading manufacturer of embedded video solutions - offering the latest MPEG-4 / H.264 codecs and video overlay / annotation technologies on a wide range of embedded board form factors including PC/104-*Plus*, CompactPCI, PCI and miniPCI modules. Founded in 1993, AMP is focused on rugged, long-life embedded board products and supporting software development kits for video capture, annotation, display and recording. From its design center near Cambridge (UK), AMP also offers Design Services to meet the needs of specialized customer requirements.

Marketing contact for Advanced Micro Peripherals:
Glen Middleton gmiddleton@ampltd.com
Sales & Marketing Manager
Advanced Micro Peripherals.