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CompactPCI MPEG-4 card encodes four concurrent video channels

New York, NY and Cambridge, England – February, 2010. The MPEG4cPCI from Advanced Micro Peripherals is a unique 3U CompactPCI MPEG-4 video codec board capable of simultaneously encoding four full-size (PAL / NTSC) D1 resolution, full frame rate real-time analog video / audio inputs. It can also decode and playback video and audio recordings from storage to display. A Preview feature allows incoming video from each channel to be viewed simultaneously via the host system graphics controller while also recording all four channels.



The 32 bit PCI architecture of the MPEG4cPCI can capture live video from cameras or any other source to create high performance digital video recorders (DVR) and video streamers for remote monitoring / control over an IP network. The MPEG4cPCI includes front end multiplexers enabling up to 10 video

inputs to be switched to the 4 recording channels. The use of high performance MPEG-4 compression and reduced bus utilization, enables a single CompactPCI system to host multiple MPEG4cPCI boards to create multi-channel DVR and Streamer solutions.

The other major benefit of reduced bus bandwidth is that the system can use a more modest, low power, fan-less host CPU board – reducing total cost and power dissipation.

In addition to video encoding/decoding, the MPEG4cPCI enables text and simple graphics annotation to be superimposed on channel A using the bit-mapped alpha-blended overlay functions. Motion detection is also supported on all channels and includes a 'baby-sitting' mode where captured data is only committed to disk when motion is detected within a region of interest – a perfect solution for fixed security applications.

The MPEG4cPCI 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. The MPEG4cPCI hardware is supported by a comprehensive suite of drivers and software development kits (SDK) for Windows, Linux and QNX along with example source code for video recording 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.

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