Human Monitoring Announces New Ultra-Low Latency H.264 Encoder Leveraging DaVinci™ Technology from Texas Instruments

Security, defense markets to benefit through greater access to improved video quality, performance.

Las Vegas, NV (PRWEB) April 20, 2009 -- Human Monitoring Ltd. (HM), a leading provider of advanced video and image processing solutions for embedded platforms and PCs, today announced a new Ultra-Low Latency H.264 Encoder based on DaVinci™ technology from Texas Instruments Incorporated (TI). Available today, the new encoder delivers increased quality and performance of real-time video capture and transmission which is required to advance security, defense and broadcast applications.

HM's new Matisse™ Low Latency Encoder is XDM-compliant and supports the latest H.264 standard, which delivers up to 50 percent bit rate advantage over MPEG-2. In addition, the new encoder enables sub 70 millisecond (mSec) end-to-end latency for real-time critical applications. The encoder is also optimized for ultimate CBR video transmission over constrained bandwidth channels, while preserving its quality advantages over MPEG-2 and MPEG-4. HM will demonstrate the encoder to select customers at the coming NAB Show in Las Vegas, April 18-23, 2009.

"The ultra low latency capabilities in our new encoder allows vendors and system designers to better capture and transit video in real-time, which is critical for addressing the needs of the security, defense and broadcast markets," said Ira Dvir, vice president of R&D, Human Monitoring, Ltd. "HM's low latency solution combined with the flexibility and robustness of TI's DaVinci™ technology allows OEMs to easily implement system upgrades and quickly add new features throughout the lifetime of their products."

HM's encoder is available on TI's DaVinci technology-based TMS320DM6446 and TMS320DM6467 digital media processors. The DM6446 is tuned to deliver both video encode and decode functions in a DSP-based, system-on-chip (SoC) solution. It includes video encoding capabilities through a dedicated video processing front end capable of capturing various digital formats. The DM6467 performs advanced encoding and compression, as well as video streaming and analytics to a central location. Both processors include a programmable TMS320C64x+™ core and an ARM926EJ-S™.

"TI offers the performance, low power and flexibility to deliver real-time video content with little to no latency, and we're excited to expand our cooperation with HM to include capabilities to address the H.264 standard," said Rajesh Pal, manager of video infrastructure solutions, TI. "The enhanced quality and images that our technology enables promise to fuel growth in commercial applications where fast, accurate and stable video images are imperative."

For more information on HM's encoder technology visit http://www.human-monitoring.com/mattisse.html. For more information on TI's DaVinci technology visit www.ti.com/davinci.

About Human Monitoring Ltd. (HM):
HM is a leading provider of video and Image processing solutions embedded platforms and PC. The company excels in efficient video algorithms consuming lower processing-power and memory resources while maintaining high quality and performance-levels.

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Amongst HM's products are H.264 Encoders, Video Stabilizers, Panoramic-Stitching, Image Compression (based on H.264 video codec) and Motion-Compensated De-Interlacer; all of which are based on the company’s intellectual property and patent-pending technology.

HM's Corporate Headquarters is located in Israel, Tel Aviv area, and sales are preformed globally with a network of partners, semiconductor vendors and distributors. www.human-monitoring.com

About the Texas Instruments Developer Network:
Human Monitoring 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.

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