Telestream Unveils Vantage Transcode HE Server for Over-the-Top Distribution

Highly-focused video transcoder utilizes Telestream LightSpeed™ acceleration technology to address the unique requirements of transcoding for multiscreen delivery, including OTT, Web, mobile and IPTV

Las Vegas, the NAB Show™, April 16, 2012 - [Telestream]®, the leading provider of video transcoding and workflow solutions, today announced a major new product at the NAB Show. Vantage® Transcode HE Server is a highly-focused solution that accelerates transcoding and packaging for multiscreen delivery, including OTT, Web, mobile, and IPTV. Vantage® Transcode HE Server utilizes exclusive new Telestream LightSpeed™ technology to produce the highest quality images at the fastest possible speed. LightSpeed is architected for acceleration of video processing and H.264 encoding on parallel GPUs, including AMD and NVidia, and multicore CPUs, including AMD and Intel. The new transcode server addresses the unique requirements of adaptive bitrate (ABR) workflows to streamline the entire process of source file decoding, video processing, parallelized H.264 encoding, packaging, encryption, quality control, and delivery – all within a single system.

"Because it is part of the Vantage family, the Transcode HE Server provides highly-efficient, best-of-breed transcoding within a completely automated workflow," said Barbara DeHart, vice president of marketing at Telestream. "Our customers have been asking for accelerated transcoding as part of their integrated workflow. We are pleased to offer a product which not only provides exceptional transcoding speed but also a complete workflow."

Vantage Transcode HE Server provides decoding support for an extensive range of input file formats and accelerates x264 encoding to Apple Adaptive Streaming, Adobe Dynamic Streaming, Microsoft Smooth Streaming, and MPEG-DASH. The x264 codec is widely recognized in the industry for producing the best H.264 image quality. By combining the power of GPUs and CPUs with x264, Vantage Transcode HE Server produces the best image quality in the least amount of time.

Telestream LightSpeed™ technology accelerates video processing and transcoding– including scaling, deinterlacing, frame rate conversion, motion vector calculation, compositing and other compute-intensive tasks. It significantly accelerates transcoding performance for simultaneous encoding to multiple resolutions and bitrates in the shortest possible time.

In addition to accelerating transcoding, Vantage Transcode HE Server effortlessly packages the media, together with thumbnail images, closed captions, and metadata into ABR-compliant packages, for delivery directly to origin servers or CDNs.

As part of the [Vantage] product family, Vantage Transcode HE Server can be used alone, clustered to increase capacity or added to an existing Vantage ecosystem. High-density transcoding is provided in an efficient 1 RU (rack unit) server with minimal space, electrical and thermal footprint requirements.

With Vantage, every step of the workflow can be planned, managed and monitored. Workflows can be extended to include analysis, automated decision-making and enterprise-class system management to maximize efficiency, system utilization and visibility – all within a unified system.

Vantage Transcode HE Server is being featured and demonstrated along with the rest of the Vantage product family in Telestream booth SL1405 at the NAB Show. Availability is targeted for Q2 2012.

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About Telestream
Telestream provides world-class live and on-demand digital video tools and workflow solutions that allow consumers and businesses to transform video on the desktop and across the enterprise. Many of the world's most demanding media and entertainment companies as well as a growing number of users in a broad range of business environments, rely on Telestream products to streamline operations, reach broader audiences and generate more revenue from their media. Telestream products span the entire digital media lifecycle, including video capture and ingest; live and on-demand encoding and transcoding; playout, delivery, and live streaming; as well as management and automation of the entire workflow. Telestream corporate headquarters are located in Nevada City, California. The company is privately held. For more information, visit www.telestream.net.

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