

# NETINT Unveils Industry-First Automated Subtitling Feature With OpenAI Whisper

***Real-time captioning of live video streams revolutionizes performance targets for platforms needing OPEX relief.***

**Burnaby, Canada – April 10, 2024** – [NETINT Technologies](#) today announced an industry-first automated subtitling feature powered by OpenAI's Whisper automatic speech recognition model trained on 680,000 hours of multilingual data. Whisper is integrated into the [NETINT Bitstreams Edge](#) media processing application that runs on the NETINT Quadra Video Server Ampere Edition. In keeping with the cost reduction mandate video services must operate under, the 96 core Ampere® Altra® CPU enables accurate, real-time transcription for live broadcast and video streams with a power implementation that is unmatched.

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Quadra Video Server Ampere Edition is \$19,000 USD and when running OpenAI's Whisper integrated with Bitstreams Edge will support up to 30 simultaneously transcoded live channels each with five HLS or DASH packaged profiles. Codecs supported include any combination of AV1, HEVC, and H.264 for encoding, with decoding support available with VP9, HEVC, and H.264. Resolutions scale to 8K and include 10-bit HDR and advanced rate-control mechanisms like capped CRF.

With ten NETINT Quadra T1U video processing units and a 96-core Ampere® Altra® CPU, the new Quadra Video Server can deinterlace 95 1080i30 streams while transcoding to 1080p30 using AV1, HEVC, or H.264 codec standards. The server also handles over 300 concurrent 1080p to H.264, HEVC, or AV1 transcodes with CPU headroom for additional video processing functions.

Real-time Whisper speech-to-text transcription leveraging OpenAI's latest automatic speech recognition models is enabled by the Ampere GPU-Free AI technology and Altra family processors. This allows broadcasters to add closed captioning, translations, and more to live video feeds. The Quadra Video Server – Ampere Edition achieves unprecedented density and



power efficiency for workloads ranging from simple format conversion to cutting-edge AI video analytics or reduced broadcast workflow complexity.

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***“Combining NETINT’s video processing acceleration with Ampere AI technology and high-performance, power efficient processing enables industry-first innovations for video and streaming services,” said Sean Varley, Ampere’s Chief Evangelist. “Running the most advanced AI models on CPU headroom freed up by NETINT transcode offload in a single best-in-class platform opens up low cost, real-time video transcription at unprecedented scale for CDN operators worldwide.”***

***“Today marks a key milestone in making live video inclusive,” said Alex Liu, NETINT’s Co-founder and COO. “Fusing OpenAI’s state-of-the-art Whisper technology with our Smart VPU solutions is enabling a new era of cost-effective video captioning with AI. Quadra Video Server with Whisper is years ahead in performance and computing efficiency which unlocks opportunities for broadcasters and content platforms to add subtitles without hesitation.”***

OpenAI's Whisper advanced speech-to-text models deliver industry-leading transcription precision, even in complex audio environments. Supporting multiple languages and a custom terminology lexicon, live streams are now more accessible to diverse global audiences with the Ampere Altra Processors.

In its first public showing, Ampere and NETINT are demonstrating Whisper running on the Quadra Video Server at the National Association of Broadcasters Show in Las Vegas, April 14<sup>th</sup> to April 17<sup>th</sup> in the NETINT booth located in the LVCC West Hall #4234. Interested companies are encouraged to [request a meeting here](#).

Alternatively, there is a limited opportunity to join 50 industry experts for a private showing and Q/A session. For details and to register, [click here](#).

The [Quadra Video Server – Ampere Edition](#) is now available at \$19,000. Like all NETINT transcoders and servers, video engineers can control the new server via FFmpeg, GStreamer, or using the advanced SDK. Quadra Video Server – Ampere Edition is easily deployable to augment or replace existing transcoding resources or for greenfield installations.

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## About NETINT Technologies

[NETINT Technologies](#) is an innovator in ASIC-based video processing solutions delivering unparalleled transcoding performance, density and energy efficiency. Pioneering green

computing approaches for video, NETINT is shaping the future of hyper-scale media encoding and processing with the first commercially available VPU (video processing unit). Learn more at [netint.com](http://netint.com).

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## About Ampere

[Ampere](#) is a modern semiconductor company designing the future of cloud computing with the world's first Cloud Native Processors. Built for the sustainable Cloud with the highest performance and best performance per watt, Ampere processors accelerate the delivery of all cloud computing applications. Ampere Cloud Native Processors provide industry-leading cloud performance, power efficiency, and scalability. For more information, visit [Ampere Computing](#).

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