

NIMBLE STREAMER™ MEDIA SERVER

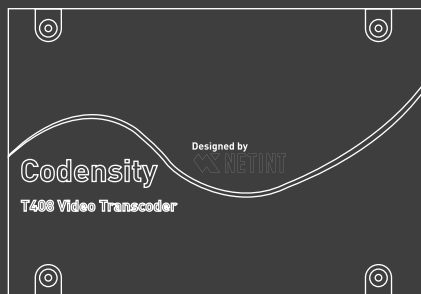
LOW LATENCY, HIGH DENSITY, REAL-TIME VIDEO TRANSCODER

Introduction

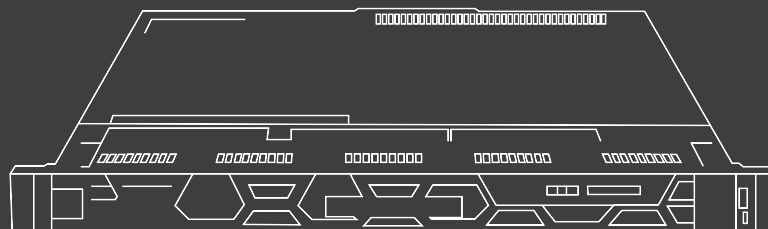
Softvelum™ services streaming platform operators in more than 100 countries. With the birth of the metaverse and interactive streaming video applications including cloud gaming and live streaming, a common challenge is the need to reduce carbon footprints and promote environmentally sound strategies while simultaneously accommodating for explosive growth in concurrent video streams.

The Nimble Streamer media server powers real-time video applications and experiences with higher resolution and frame rates at a TCO that is ten times less than CPU-based software video encoding.

40 Broadcast Quality 1080p60 Live Streams in 1RU



**10 NETINT Codensity T408
2.5" U.2 Video Transcoder's**



1RU Nimble Streamer Media Server

- Nimble Streamer is a freeware application with available premium features, including Web UI, DRM, Live Transcoding, and Ad insertion capabilities.
- High throughput, low latency, multi-stream transcoding server.
- Typical workloads include live streaming, real-time interactive video applications, cloud gaming, and more.

Softvelum's Nimble Streamer media server's advanced capabilities include real-time, low latency encoding with support for transport protocols including SRT, NDI, RTMP, RTSP, MPEGTS, RIST and with playback support for HLS and MPEG-DASH as well as Softvelum's custom SLDP low latency playback protocol.

The Nimble Streamer media server is a freeware application for x86 Servers and features advanced encoding capability enabled by ten installed NETINT Codensity T408 Video Transcoders. The Codensity T408 is an ASIC-based NVMe video transcoder module that supports H.264 AVC and H.265 HEVC video encoding at up to 8K resolution and with 10-bit HDR.

The high throughput of the Nimble Streamer media server supports ultra low latency encoding of 40 broadcast quality 1080p60 streams in a compact 1RU form factor.



Cloud Gaming



AR / VR



Security



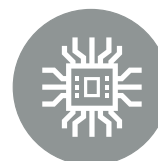
OTT / IPTV



Conferencing



Home Monitoring



AI Acceleration



Live Streaming



Social Mobile Video

Benefits

Ultra High Density

Ten times increase in video encoding density as compared to software.

H.264 AVC and H.265 HEVC

Multi-format Transcoding, Encoding, and Decoding.

4K/UHDTV/HDTV and HDR

Supports a wide variety of streaming applications.

Real-Time Encoding

Optimized for live streaming and interactive video applications.

Low Latency

Enables Interactive video applications including Cloud Mobile Gaming, AR and VR.

Scalable

High capacity encoding throughput for rapid deployment of additional channels.

Total Cost of Ownership

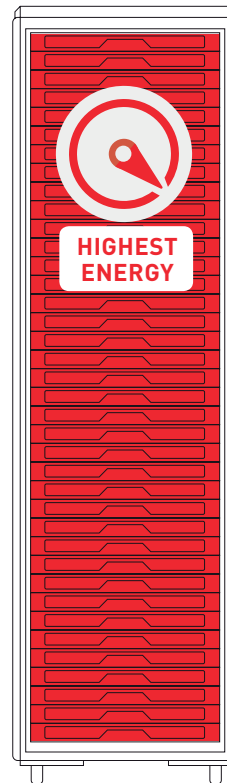
The Nimble Streamer media server enables a reduction in TCO for hyperscale cloud platforms and video service providers.

NETINT's Codensity technology uses a purpose built ASIC to increase encoding density compared to software-based solutions. This increase in encoding density expands the number of channels that can be encoded without increasing the rack footprint. Reduced power and HVAC cost means a lower TCO and higher density can be achieved without sacrificing video quality or latency.

Video Encoding with Lowest TCO and Highest Density

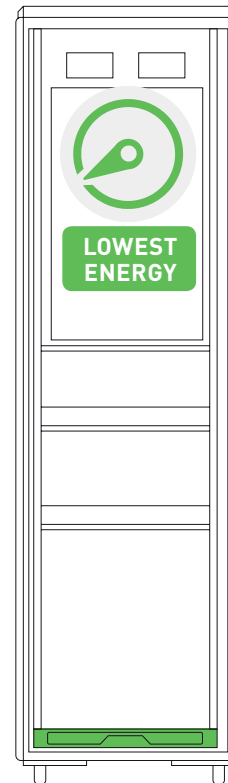
58W Total Server Power Per Stream

3W Total Server Power Per Stream



\$580,535

Software on CPU*



\$52,403

NETINT Video Transcoder*

*Total Annual Operating Cost Per 1,000 Streams

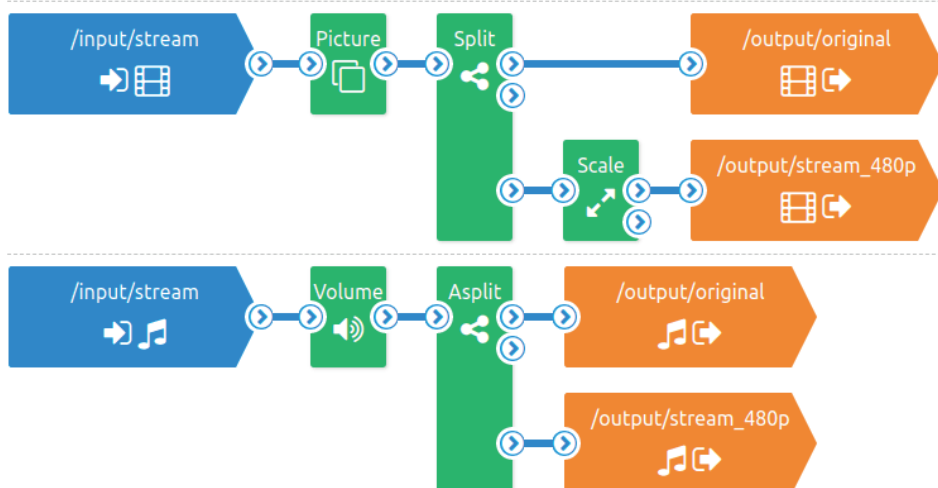
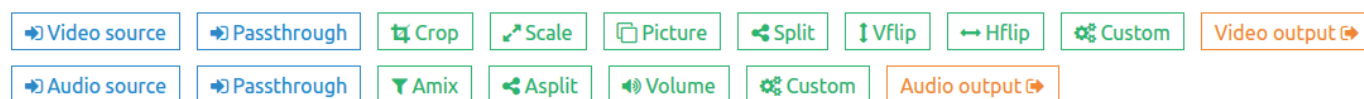
\$525,000 operational cost savings per year based on 1,000 live streams.

The Nimble Streamer uses one-tenth the rack space for the same number of streams as compared with CPU-based video encoders.

NETINT Codensity video transcoders use 20X less energy than CPU powered video transcoding systems.

Simple Integration

Nimble Streamer offers subscription based features including a Web UI and multi-server control. In addition, premium add-ons give you the ability to encode, decode and transcode live streams, add DRM, perform Ad Insertion, DVR capabilities, VOD packaging and Server Playlist creation.



- Live Transcoder - Decode, Transform and Encode live video and audio.
- Server Playlist - Allows creating live stream from VOD files.
- Nimble DRM - Protect your Content.
- Nimble Advertiser - Ad Insertion Capabilities.
- DVR Capabilities - Content Recording and Playback.
- VOD Streaming - Dynamic Packaging of Video On demand Content.
- Paywall - Control Access to Content.

For more info on the
**Nimble Streamer Media
Server**, contact:
connect@softvelum.com
<https://softvelum.com>

For more info on
NETINT Solutions,
contact:
info@netint.ca
netint.ca