



## SOLUTION BRIEF

# Game-Changing Live / VOD Density

### Cost per stream enables shift to live video transcoding

- 616 HD streams in 3U (H.264 1080p transcodes)
- 205 HD streams per RU density
- 14x the density of software-only solutions
- Less than half the cost per stream compared to unaccelerated systems
- 80% less CapEx compared to standard servers
- 85% less OpEx compared to standard servers
- Transcodes hundreds of hours of video in seconds

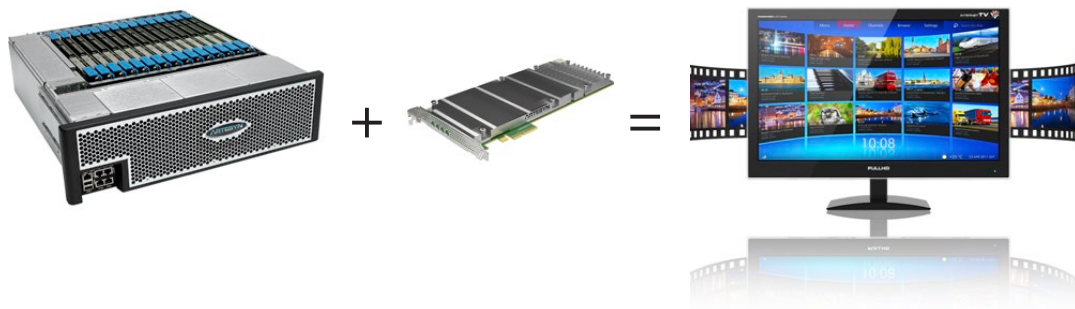
The *SharpStreamer™ 3000* platform from Artesyn Embedded Technologies is a scalable network platform which enables operators to monetize OTT while maintaining high Quality of Experience for subscribers. The platform delivers linear and on demand video with the highest transcode density and lowest cost per stream in the industry.

Scalable from as few as 44 simultaneous transcodes (1080p 30fps) to as much as 616 simultaneous transcodes in its most dense form,

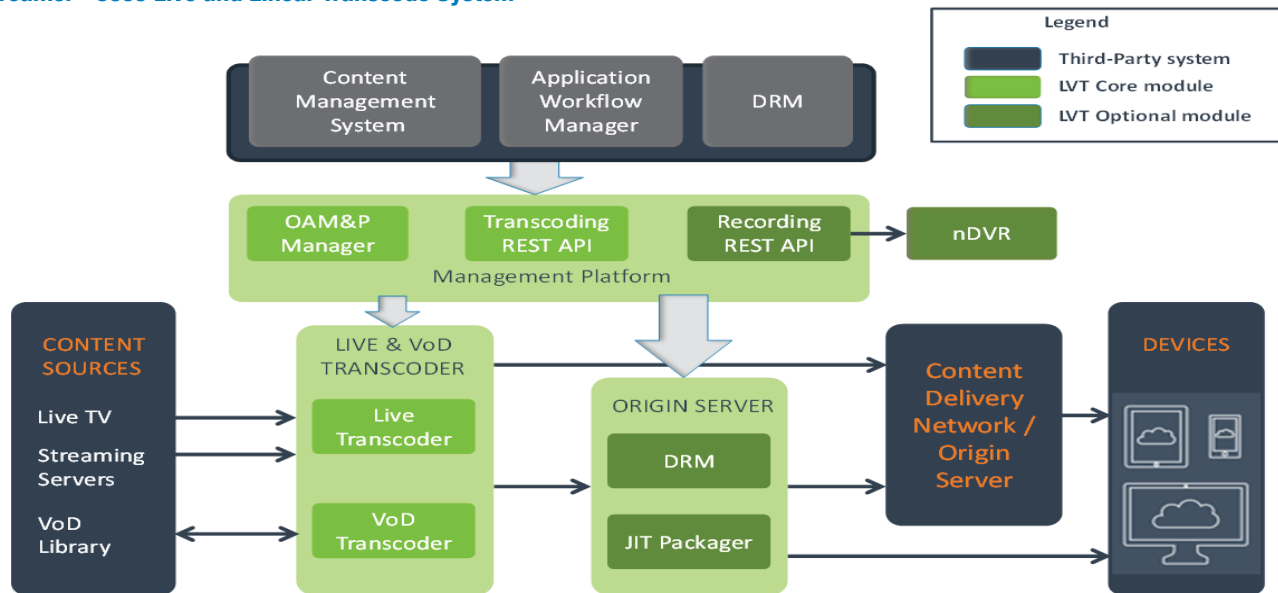
the SharpStreamer 3000 platform enables true real-time transcoding for Live and Video on Demand media as a virtual network function.

Compared to dedicated appliances or to Host Media Processing implementations, the Artesyn SharpStreamer 3000 platform clearly differentiates on higher density, lower CapEx and lower OpEx for both appliance and cloud-based linear and OTT video platforms.

**1/10th OpEx Cost of Rack Mount Server Solutions  
1 Server Instead of 42**



## SharpStreamer™ 3000 Live and Linear Transcode System



Within the *SharpStreamer 3000* platform architecture, Artesyn has integrated the Vantrix high-density Live and VoD Transcoder (LVT) which enables the following:

- Real-time ingestion of live streams and offline ingestion of VoD files
- Processing and transcoding of content, and distribution to streaming / content delivery infrastructure
- The LVT software is designed to enable easy processing and transmittal of video content in a wide range of formats
- Optional services include: nPVR Recording API for Catch-up TV and personal recording services
- Just-in-time (JIT) packager enabling multi-screen and DVR services

In recent trials, this software delivered 573 mixed resolution two-minute streams in 90 seconds – the perfect solution for mobile and social media video delivery – at a fraction of the cost.

### About Vantrix

*Vantrix* provides integrated media processing software that enables video service providers to cost-effectively meet the massive demand for video on any screen. Vantrix Media Platform uniquely combines ultra-high-density performance with an open virtualized architecture, giving media companies the cost savings and flexibility they need to thrive in today's rapidly evolving video landscape.

[www.artesyn.com](http://www.artesyn.com)

+1 888 412 7832

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USE CASE: OTT Video Transcode	Bare Metal Servers Required	Accelerated Servers Required
Deliver 500 HD OTT Streams	42	1
Required Power (kWH)	5428	780
CapEx Savings		80% less equipment
OpEx Savings		85% less power

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EMBEDDED TECHNOLOGIES