

Powering the next generation of multiscreen video

Vantrix Video Processing is a next-generation solution for transcoding and delivering multiscreen video. With its ultra-high-density performance and a virtualized, software-defined architecture, service providers can deploy at the network edge to power the innovative live and live-to-VoD services that win and retain subscribers—all at a fraction of the cost of traditional solutions.

Cost-effective, ultra-high-density performance

Get up to 20X more streams per RU and save up to 80% in cost per live linear stream or VOD transcode.

Vantrix Video Processing deployed on a 1, 2 or 4.3RU COTS turnkey hardware can reduce footprint by up to 95%, thanks to the unique way it leverages the power of the GPU through virtualization.



Flexible, virtualized power for a dynamic video landscape

Vantrix Video Processing delivers virtualized media processing power by leveraging OpenStack cloud technology. Your business gets the flexible power it needs to meet daily fluctuations in demand, longer term changes in user behavior and new business models. It can be deployed on premise, or in a private or public cloud.

Vantrix Cloud offers scalability on demand



Vantrix Cloud is a pay-as-you-go service that can be used to out-source your transcoding jobs, or supplement your existing workflow when more media processing power is needed.



Open transcoding pipeline

Our open transcoding pipeline supports third-party plugins, such as perceptual pre-filtering, so you can deliver higher quality video with less bandwidth.

Virtualized, software-defined architecture

Vantrix Video Processing includes a centralized dashboard for easy management of virtualized resources, along with integrated reporting and analytics. It can be deployed on media-optimized appliances or standard servers, on premises, in a private or public cloud scenario.

VIDEO PROCESSING DASHBOARD

APPLICATION MANAGEMENT

INFRASTRUCTURE MANAGEMENT

REPORTING & ANALYTICS

VIDEO PROCESSING APPLICATIONS

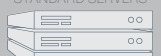
OPENSTACK INFRASTRUCTURE MANAGEMENT

HYPERVERSOR VIRTUAL MACHINES

COTS HARDWARE

TURNKEY APPLIANCES

STANDARD SERVERS



STANDARD SERVERS WITH ACCELERATOR CARDS

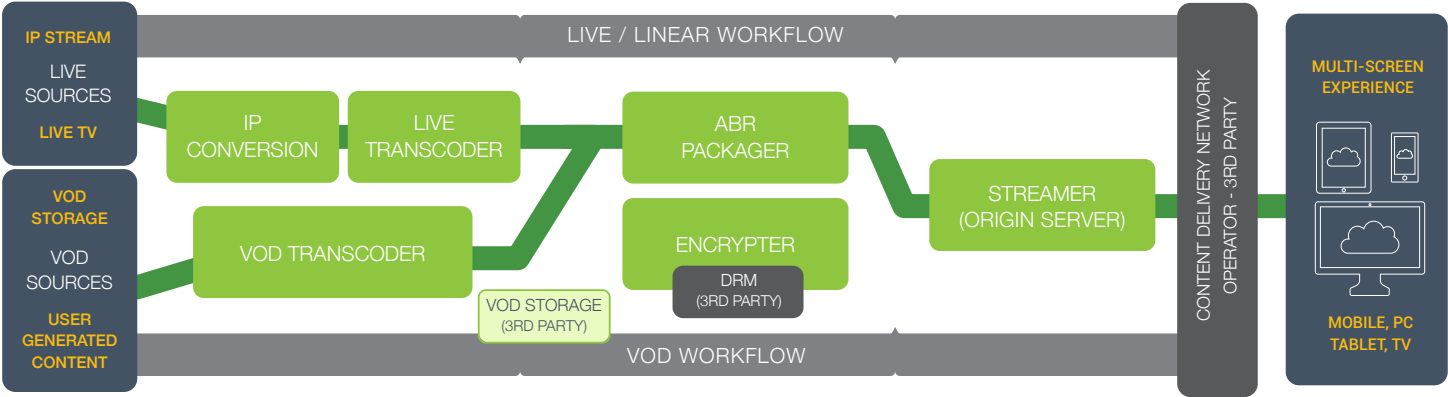
PRIVATE CLOUD

PUBLIC CLOUD

Modular, scalable, interoperable

Vantrix Video Processing has a modular architecture to give you maximum flexibility. Choose the modules you need for your workflow today and build out your infrastructure over time.

We also support REST / XML for maximum interoperability with your existing workflow systems and CDNs.



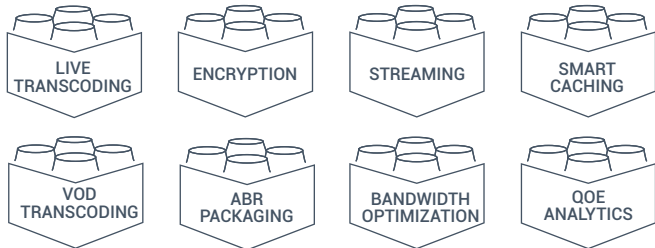
Future ready, today

Vantrix Video Processing supports all major codecs and streaming protocols out of the box, including H.265 / 4K , so you can face the future with confidence.

INPUT FORMATS	RTP	HTTP	OUTPUT FORMATS	MBR/ABR Packaging:
	MPEG-TS	RTSP/RTCP/RTP (Unicast & Multicast)		MPEG-2 TS
INPUT CODECS	MPEG-2 Video	AAC Audio	OUTPUT CODECS	Microsoft Smooth Streaming (MSS)
	H.264 Video			MPEG-2 Video
	MPEG-1/2/2.5 Layer			MPEG-4 AVC/H.264 Video (Baseline, Main, High Profile)
	1 & 3 Audio			MPEG-4 HEVC/H.265 Video
AC-3 Audio			MPEG-4 AAC Audio (LC, HEV1, HEV2)	
				AC-3 Passthrough, AC3+, AC3 Audio

Vantrix Media Platform

Vantrix Video Processing is part of the Vantrix Media Platform—a modular integrated system that includes video processing, media optimization, as well as smart caching and analytics.



About Vantrix

Pioneers in media optimization since 1994, our technology is helping top mobile operators and video service providers across the globe successfully converge traditional linear business models with over-the-top (OTT) multiscreen delivery

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