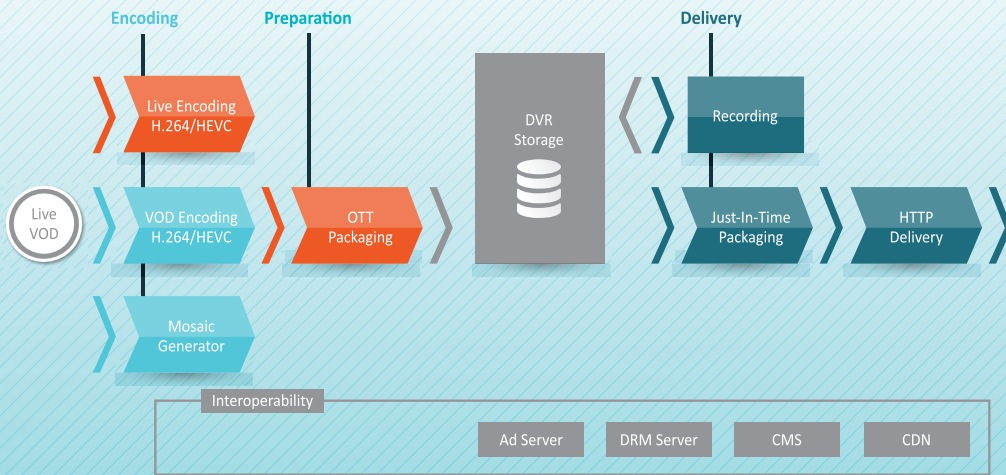


GENOVA LIVE

Live Multiscreen encoder

- Turn-key software for OTT TV & IPTV
- Live Transcoding and Packaging
- Encodes to H.264 and H.265/HEVC
- Software or Hardware-accelerated encoding
- Up to 18 HD HEVC or 63 HD H.264 encodings per RU
- Virtualizable (OpenStack, VMWare)
- Future-proof, upgradable software
- "Pay as you grow" licensing




SOFTWARE PRODUCTS

GENOVA LIVE
GENOVA FILE
GENOVA ORIGIN
GENOVA MOSAIC

Live H.264 & HEVC transcoder for OTT TV
File-based H.264 & HEVC transcoder for VOD
Catch-up TV, nPVR, Start-Over, High performance HTTP delivery
Live Mosaic Generator for OTT TV & IPTV





GENOVA LIVE



OTT TV / IPTV / LIVE / FILE / CATCH-UP

Live Multiscreen encoder

Genova Live is a virtualizable software designed for transcoding existing live TV services to H.264 or H.265/HEVC for OTT TV. It can use either pure software or hardware-accelerated encoding, allowing for both premium video quality and density. Its modular architecture makes it suitable for encoding on a single server, or a private cloud such as OpenStack. It can be remotely managed and monitored and integrates seamlessly within existing content processing workflows.

INPUT

Video	MPEG-2, up to HD	H.264, up to HD
Audio	MPEG-1 Layer II, AAC-LC, HE-AAC v1/v2, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3)	
Transport	MPEG-TS / IP in UDP	MPEG-TS / IP in RTP/UDP (FEC)

OUTPUT

Video Preprocessing	Adaptive de-interlacing Video cropping and resize Aspect-ratio conversion or pass-through	Frame rate down- and up-conversion Color enhancement Logo & Slate insertion Video preview		
Video Encoding	H.264, up to HD <i>e.g. up to 189 SD or 72 HD720 or 63 HD1080 encodings per RU</i> H.265/HEVC, up to HD <i>e.g. up to 79 SD or 28 HD720 or 18 HD1080 encodings per RU</i>	Software or Hardware-accelerated encoding Multi-bitrate video encoding for Adaptive Streaming CBR, VBR, ABR Up to 16 video profiles per service		
Audio Preprocessing	Automatic Gain Control Audio level Configurable audio delay	5.1 and stereo downmix Audio resampling		
Audio Encoding	Pass-through, MPEG-1 Layer II, AAC-LC, HE-AAC v1/v2, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3) Up to 32 audio tracks per service			
Packaging	Apple HLS MPEG-DASH (ISO BMFF) Adobe RTMP Adobe HDS SPTS in UDP or RTP/UDP with FEC (IPTV and PiP)	Microsoft Live Smooth Streaming RTP / RTCP TS and MP4 archive Keepixo Mezzanine		
Subtitling	DVB-Teletext DVB-Subtitle Closed Caption (CEA-608/708)	Pass-through Burn-in Conversion to AMF0, SMPTE TTML/EBU-TT-D, WebVTT		
Ad Insertion	SCTE-35 based Ad Insertion			
Encryption	PlayReady Verimatrix VCAS Irdeto	Widevine INSIDE Secure CryptoGuard	BuyDRM SecureMedia	DASH-CENC DRM Generic Interface
Delivery	FTP, HTTP, WebDAV, RTMP Embedded Origin Server		Interoperability with: Anevia, Broadpeak, Edgeware	
CDN	Akamai certified StreamZilla	Highwinds Tulix	Level 3 Verizon EdgeCast	Limelight

OPERATION & MANAGEMENT

Web GUI HTTP RESTful API SNMP monitoring DataMiner supervision	Easily upgradable N+P redundancy Runs on Intel based platforms Support for Intel Quick Sync Video
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Virtualizable in public or private clouds: Amazon EC2, Microsoft Azure, VMWare Workstation, OpenStack/KVM



Keepixo is a leading provider of software-based head-end solutions for IPTV & OTT. It offers live and file video encoders, and delivery solutions to provide advanced functions such as Catch-Up, Start-Over and nPVR. Using its cloud-ready software solutions, Keepixo can combine the best of performance, flexibility and scalability giving its customers tailored solutions. For more information, visit Keepixo's website or contact us at info@keepixo.com. www.keepixo.com

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