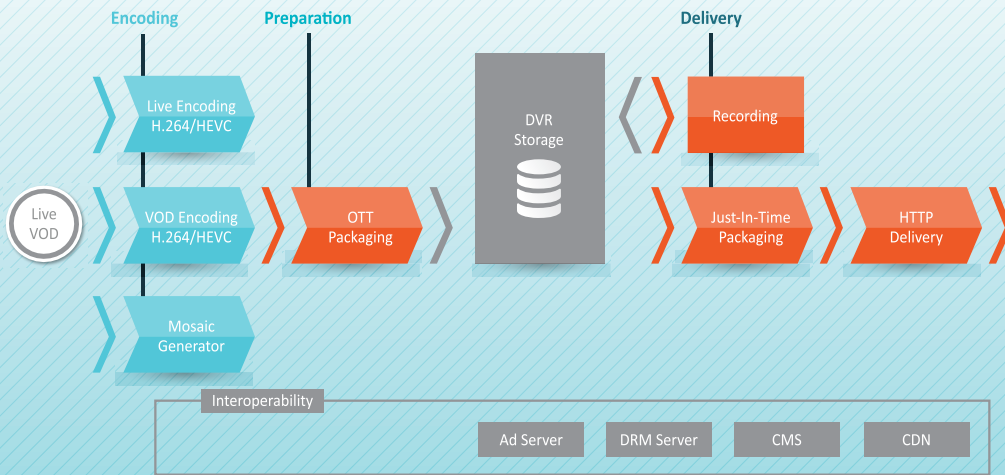


## GENOVA ORIGIN

### Packager & Origin Server

- Turn-key software for OTT TV
- Live Packaging
- Live-to-file recording functions
- Enables Catch-Up, nPVR, Start-Over, Time-Shift
- High-Performance HTTP delivery
- Virtualizable (OpenStack, VMWare)
- Future-proof, upgradable software
- "Pay as you grow" licensing



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

  
SOFTWARE PRODUCTS



# GENOVA ORIGIN



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

## Packager & Origin Server

Genova Origin is a virtualizable software implementing the three functions required by any OTT TV system:

- packaging for creating OTT TV formats from live encoded streams. Enables Start-Over TV and Time-Shift.
- recording for implementing Catch-Up TV and nPVR.
- HTTP delivery for efficiently delivering live and VOD assets to OTT TV players.

Its modular architecture makes it suitable for use 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	H.264 H.265/HEVC	Multi-bitrate, key-frame aligned Up to 16 video profiles per service
Audio	AAC-LC, HE-AAC v1/v2, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3) Up to 32 audio tracks per service	
Transport	MPEG-TS / IP in UDP	MPEG-TS / IP in RTP/UDP (FEC)

### PACKAGING

Formats	Apple HLS MPEG-DASH (ISO BMFF) Adobe RTMP Adobe HDS	Microsoft Live Smooth Streaming RTP / RTCP TS and MP4 archive Keepix Mezzanine		
Delinearized TV	OTT packaging formats enable Start-Over TV and Time-Shift			
Audio	Configurable audio delay			
Subtitling	DVB-Teletext DVB-Subtitle Closed Caption (CEA-608/708)	Pass-through 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		Interoperability with: Anevia, Broadpeak, Edgware	
CDN	Akamai certified StreamZilla	Highwinds Tulix	Level 3 Verizon EdgeCast	Limelight

### RECORDING

	API to record past programs from a rotating live DVR in Keepix Mezzanine format to MPEG-DASH Enables Catch-Up TV and nPVR
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### HTTP DELIVERY

	Embedded Origin Server with high-performance HTTP delivery to OTT TV players Configurable cache
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### OPERATION & MANAGEMENT

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



Keepix 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, Keepix can combine the best of performance, flexibility and scalability giving its customers tailored solutions. For more information, visit Keepix's website or contact us at [info@keepix.com](mailto:info@keepix.com). [www.keepix.com](http://www.keepix.com)

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