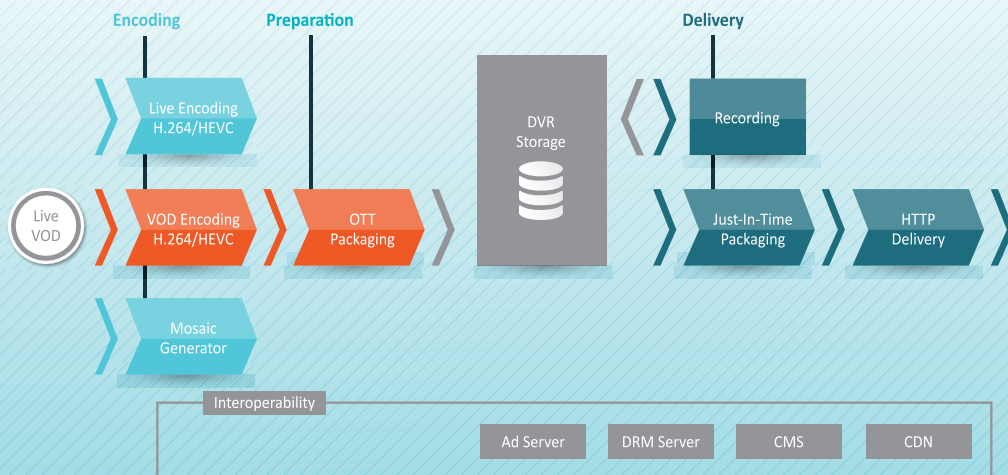


GENOVA FILE

File Multiscreen encoder

- Turn-key software for OTT TV & IPTV
- File Transcoding
- Encodes to H.264 and H.265/HEVC 10-bit, up to 4K
- 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 FILE



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

File Multiscreen encoder

Genova File is a virtualizable software designed for encoding existing VOD assets to H.264 or H.265/HEVC, up to 4K UHD. 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

File Formats	TS, MP4, MOV, MXF Subtitle: SRT	
Video	MPEG-2, 4:2:0, 8 bits H.264, 4:2:0, 4:2:2 or 4:4:4, 8 or 10 bits, up to 3840x2160 or 4096x2048 (including XAVC) HEVC, 4:2:0, 4:2:2 or 4:4:4, 8 or 10 bits, up to 3840x2160 or 4096x2048 ProRes 422, 4:2:0, 4:2:2 or 4:4:4, 8 or 10 bits JPEG2000 DV Video	
Audio	MPEG-1 Layer II AAC-LC, HE-AAC v1/v2 PCM 24/16 bits signed Little Endian	Dolby Digital (AC-3) Dolby Digital Plus (E-AC-3)

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 insertion Video preview
Video Encoding	H.264, up to HD (Baseline, Main, High) H.265/HEVC, up to 4K (Main, Main 10) Single- or double-pass encoding	Multi-bitrate video encoding for Adaptive Streaming Up to 16 video profiles per service CBR, VBR, ABR
Audio Preprocessing	Automatic Gain Control Audio level Configurable audio delay	5.1 and stereo downmix Audio resampling
Audio Encoding	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	
File Formats	TS file format, compliant with ETSI TS 101154 MP4 file format, with SMIL service description	
Subtitling	DVB-Teletext DVB-Subtitle Closed Caption (CEA-608/708)	Pass-through Conversion to SMPTE TTML

OPERATION & MANAGEMENT

Web GUI HTTP RESTful API SNMP monitoring Runs on Intel based platforms Virtualizable in public or private clouds: Amazon EC2, Microsoft Azure, VMWare Workstation, OpenStack/KVM	Easily upgradable N+P redundancy Cluster management system with job scheduling Watch folders
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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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