

UNLOCK AND SECURE YOUR CLOUD DVR

Launch your DVR and VOD services in public clouds quickly and safely.

NEA Genesis records live channels from live packagers and handles recording requests and asset delivery. It can also interface with an existing NEA Live system.

Because NEA Genesis uses Cloud Object Storage to store the content, you don't need to worry about extending it; it automatically grows with time.

Content is stored directly on the Cloud Storage in DASH format; no proprietary layer is added so it remains accessible for other purposes.

Integrated with a CPIX 2.3 Interface to handle major DRM solutions, NEA Genesis supports multiple streaming, subtitling, and audio formats.

Compute costs are adaptive according to the number of channels and user requests. NEA Genesis will scale in function of the demand. So, you only pay for what has been processed and watched by your subscribers.

Based on a cloud-native design, it enables a highly available architecture as well as redundancy features to secure the service and the delivery.

NEA Genesis comes with a dedicated module for migration, which transfers the nPVR and VOD assets from your former cloud DVR platform to the NEA Genesis storage, making them available to your subscribers.

Ateme has developed and maintains a stack to easily deploy NEA Genesis infrastructure (networking, security, managed Kubernetes, bastion) and product in public clouds.

Applications

- Catch-up
- VoD
- Cloud DVR solution
- Shared copy

Features and Benefits

- Cloud-native DVR solution for public clouds
- Records live OTT feeds to create DVR assets
- Stores VOD assets
- Origin server for catch-up TV and VoD delivery managed by a back office
- Just-In-Time packaging
- Just-In-Time encryption to protect your content on all your devices and platforms

Services

Cloud DVR, CUTV, VoD

Input Formats

Live: packaged livestream in DASH fMP4

VoD: packaged assets in DASH fMP4

Video

AVC, HEVC

Audio

AAC, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3)

Output Formats

MPEG-DASH

Apple HLS

4K and HEVC support

Processing

Filtering video and audio

Subtitle passthrough or conversion

Input: SMPTE-TT, TTML

Output: WebVTT, TTML, SMPTE-TT

Administration

Web-based GUI

Monitoring (REST API)

System alarms and logs

DRM

MPEG – DASH: Widevine, Playready

HLS: Fairplay

Per-track encryption

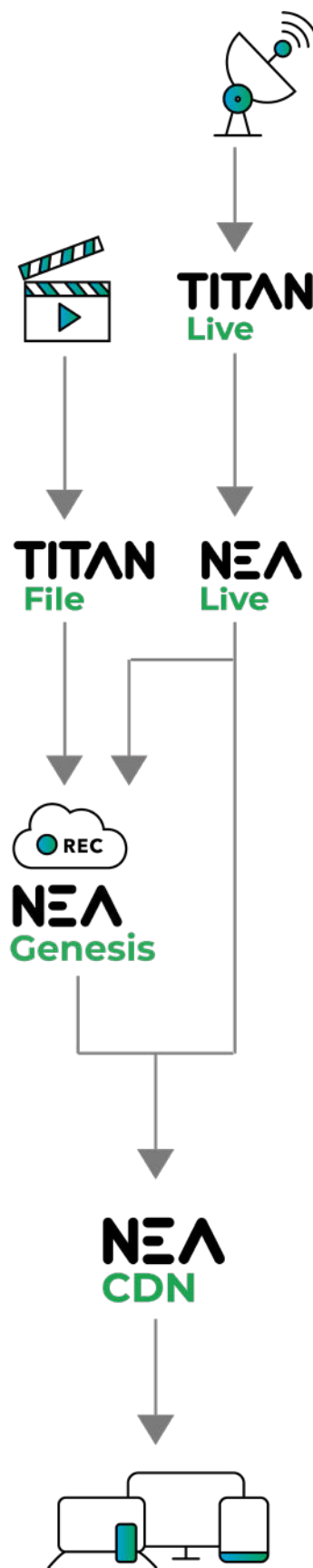
Key Provisioning

Key server integration with CPIX 2.3 standard interface

Scalability and High Availability

Redundant ingest: 1+1 active/passive

Relying on highly available K8s cluster and public cloud providers' SLA



* Contact your sales representative for the detailed list of features

** Contact the factory for availability

*** Refer to the PCIe board used