

DELIVER AN IMMERSIVE VIEWING EXPERIENCE

Launch broadcast-quality, low-latency live and time-shifted TV services, quickly and securely.

NEA Live records, packages, and streams live and near-live content to any connected consumer or operator device, according to distribution policy — and supports low latency.

NEA Live performs Just-in-Time packaging in order to reduce the required storage and lower bandwidth costs. Integrated with all major DRM solutions, it supports multiple streaming, subtitling, and audio formats. It also performs chunk sharing to optimize caching efficiency.

Live TV and time-shift services can be up and running in just a few hours, ensuring the best multiscreen experience for your content subscribers.

NEA Live provides access to live channels and allows subscribers to pause and restart a session. It also continuously buffers each current live program to offer start-over capabilities within a four-hour time frame.

Widely deployed in over 100 countries, NEA Live is integrated with multiple CDNs to dynamically deliver live content adapted to the capacity of any network.

Ateme defines a set of hardware recommendations for a complete, pre-integrated, best-in-class solution for the delivery of video to a wide range of managed and unmanaged devices.

Applications

- Live TV on multiscreen
- Time-shift/Pause TV/Start-over

Features and Benefits

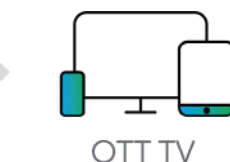
- Low-latency live streaming
- Fast multiscreen service deployment for live channel delivery over HTTP or HTTPS
- Just-in-Time packaging and filtering of audio, video, and subtitles
- Interoperable with any encoder in the industry thanks to MPEG-2 TS inputs and CMAF Ingest
- Protects content thanks to DRM and watermarking
- Single node or 1+1 redundancy through Virtual IP
- SCTE-35 Splice management with standard manifest conditioning or ESAM-based custom conditioning for Dynamic Ad Insertion

Broadcast TV →

TITAN Live

→ NEA Live

→ NEA CDN



Technical Specifications

Service

Live, Pause TV, Timeshift, Start-over (8-hour buffer)
8-hour nPVR capabilities

Input Format

Live adaptive MPEG-2 TS CableLabs, CMAF Live
Ingest (Interface 1)
Up to 200 channels
Up to 15 tracks per channel (video/audio/text)

Video

AVC, HEVC, Dolby Vision

Audio

AAC, HE-AAC, HE-AAC v2, Dolby AC-4, Dolby Digital,
Dolby Digital Plus

Output Format

Multiple ABR protocols
MPEG-DASH and LL-DASH
Apple HLS and LL-HLS
Microsoft Smooth Streaming
4K HDR and HEVC support
Profiles: DVB-DASH, ISO Base Media File Format

Performance

Up to 4 Gbps input (or 200 channels) and up to 14
Gbps output according to configuration and services

Low Latency

Reduces the packaging latency to below the
duration of the GOP, down to a few video frames,
enabling end-to-end low-latency streaming

Processing

Filtering video, audio subtitles and splices
Subtitle and closed caption passthrough or conversion
Input: CEA-608/708, DVB-TXT, DVB-SUB
Output: WebVTT, TTML, EBU-TT-D,
SMPTE-TT
SCTE-35 conversion for DAI (Manifest conditioning)

DRM

Scrambling

MPEG-DASH CENC (PlayReady, Widevine, and
other DRM providers)
Apple HLS AES-128 and SAMPLE-AES (FairPlay
and other DRM providers)
DRM Systems: FairPlay, PlayReady, Widevine

Key Provisioning

Integrated with all major DRM vendors in the
industry
Key server integration with CPIX 2.3 standard
interface
Key management schemes: static, periodic, on-
demand, per-track encryption

High Availability

Input redundancy
1+1 redundancy (2 modes: Virtual IP, CDN-based)

Operations

Web-based GUI and complete API
Monitoring (per API and via Prometheus metrics)
System alarms and logs
On-prem or cloud-based deployments (Integrates
in AWS and GCP)