



VOD and **nVOD** Solution
with Outstanding Capabilities

STREAMRON IPTV VOD



Nevron
We make IPTV happen



Streamron IPTV VOD

The Streamron IPTV VOD enables the management, control and unicast (VOD) or multicast (nVOD) distribution of on-demand audio and video content from local or remote data / file storage.

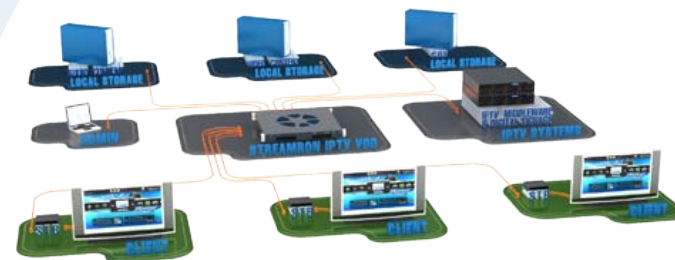
This state-of-the-art product could be part of an integral IPTV system or a standalone product. It supports the streaming of a few hundred concurrent MPEG-4 streams per single physical server and incorporates all the advanced functionalities such as trick play or nVOD playlist features.

The Linux-based Streamron VOD solution supports trick play functionality such as play/pause, fast forward, fast rewind, nVOD content scheduling and playlist streaming and other advanced VOD functionality. Furthermore, the Streamron IPTV VOD allows watching full HD and SD movies and listening to favourite music using local or remote data / file storage.

Its outstanding capabilities allow the streaming of a few hundred concurrent MPEG-4 streams per single off-the shelf server with average HW components.

Technological Advantages

- outstanding delivery capabilities
- nVOD
- trick play
- unicast, multicast, HTTP progressive streaming
- high video quality support
- based on Linux OS
- off-the-shelf HW components



Streamron IPTV VOD System Architecture

Product Components

- Streamron IPTV VOD software
- network server
- internal or external data storage
- movie content (optional)



"An indispensable part of an IPTV ecosystem."

"Outstanding delivery capabilities."

Technical Specifications

Management & monitoring

- Web management
- Dedicated Streaming NIC Link Aggregation (bonding)

VOD Interfaces

- RTSP Server
 - On-Demand Content Access
 - Trick-Play (FF, REW, Pause)
 - Random Access (set/get position)
 - UDP or RTP Streaming
- HTTP Server
 - Content Duration Querying
 - RTSP Session Control (trick-play, random access)

nVOD Features

- Playlist streaming (content splicing)
- Content Scheduling

Media URL Features (VOD/nVOD)

- Audio Track Filtering
- Subtitle Track Filtering
- Video Background for Audio Content

nVOD / VOD Input media formats

- MPEG-2 Program Stream (.vob, .mpg)
- MPEG-2 Transport Stream (.ts, .m2ts)
- MPEG-2 Video (.m2v)
- MP4 File Format (.mp4)
- MP3 File Format (.mp3)

Output media Formats

- MPEG-2 Transport Stream (different codecs)
- UDP or RTP
- Unicast or Multicast

Supported Codecs

- MPEG-2 Video
- MPEG-4 AVC (H.264) Video
- DVD Subtitles (transcoded to DVB-SUB)
- AC3 Audio (Dolby)
- AAC Audio
- MPEG-1 Audio
- MPEG-2 Audio (MPEG-2/4)

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- MPEG-2 Audio (MPEG-2/4)

Video standards

- MPEG-2 Video
- H.264/AVC (MPEG-4 Part 10)
- HD TV formats: 720p, 1080i, 1080p
- SD TV Formats: PAL, NTSC, SECAM

Audio standards

- MP2 (MPEG-2 Audio)
- MP3 (MPEG-1 Layer 3)
- AC3 (Dolby Digital)
- AAC (MPEG-2 Part 7 / MPEG-4 Part 3)

Network standards

- UDP
- RTP
- IGMP
- RTSP
- HTTP

Other standards

- MPEG-2 Transport Stream

Physical IPTV Gateway Server

- at least 2Tb of internal or external data storage
- third party physical servers
- 2 Ethernet interfaces (for system management and streaming)
- Linux OS



Apply for a DEMO Kit

The Nevron DEMO Kit is composed of all the essential product components that are needed for a thorough evaluation of the Streamron IPTV VOD. While it is small and easy to carry around, the DEMO Kit is also the most appropriate equipment for demonstration purposes at remote locations.



"Streamron IPTV VOD is also available as SOFTWARE version only."

Get a FREE IPTV Project Consultation

You are invited to apply for a free IPTV Project Consultation.

Nevron

We make IPTV happen

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Applicable Projects/Parties

- IPTV middleware
- digital signage
- telecommunication (Telco)
- ISP, OTT, TV
- IT system integration
- advertising

