

IPTV / VOD STREAMING SERVER

Streamron is a video and audio streaming server for file (NVoD, content on demand) and live streams (linear TV and radio). Its primary purpose is real time audio/video content transmission over IP network. It can provide network streaming services for multicast live streaming from various input devices and for multicast and unicast streaming of files. It basically provides streaming services from various input feeds and distributes files to specific digital devices.

Supported Codecs and Features:

- MPEG-2 Program Stream (.vob, .mpg) , • MPEG-2 Transport Stream
- Audio Track Selection , • MPEG-1/2 Audio (.mp3)
- MP4 File Format (.mp4)
- UDP: HTTP • ShoutCast and IceCast Audio Streams (MP3).
- MPEG-1/2 Audio • AC3 Audio (Dolby)
- DVD Subtitles (Transcoded to DVB-SUB)
- MP4 File Format , • H.264 Video (AVC) , • MPEG-1/2 Audio
- MPEG-2/4 AAC Audio
- MPEG-2 Transport Stream over UDP
- Subtitle Track Selection • Live Input Streams (UDP and HTTP) • Duration
- Audio Input Streams: • Video Backgrounds

Streamron A/V Server



Key features:

- Web Based Administration Interface.
- Audio / Video IPTV encoder.
- DVB/ATSC gateway.
- Internet radio (SHOUT Cast) gateway.
- IPTV / VOD Content on Demand Server.

System Advantages

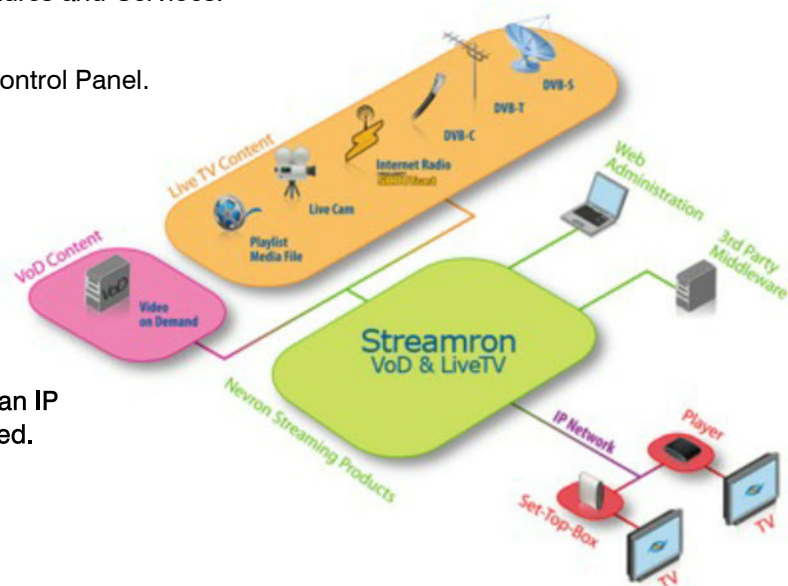
- Powerful SOAP interface for third party solutions.
- Service providers can ensure IPTV service availability and performance.
- Secure and reliable deployment of IPTV infrastructure.
- Fully customizable for future features and Services.
- Reliable and easy-to-manage.
- Browser Based Administration Control Panel.

Audio/Video Inputs

- Analog capture cards.
- DVB / ATSC adapter cards.
- IPTV streams from a UDP socket.
- Media Storage Devices

Live stream outputs are streamed to an IP network to which clients are connected.

- Live TV or Music.
- Content On Demand.
- NVoD channels.



Video Standards:

- MPEG-2 Part 2 (MP@ML, MP@HL) up to 1080i
- MPEG-4 Part 10 – AVC (Main profile, Baseline Profile, High Profile Level 5.1) up to 1080i

Audio Standards:

- MPEG Layer II
- MPEG-1 Part 3 Layer 3 (MP3)
- Dolby Digital (AC-3)
- MPEG-2 Part 7/MPEG-4 Part 3 (AAC)
- Data • DVB subtitling

URL Media Specification functions:

- Playlist Streaming (splicing)
- Live Media Re-Streamer.
- N-VOD (PayTV).
- PAT and PMT Generator .
- On-Screen Player • Text and Image Overlay.
- Stream Switching, RTSP Control, HTTP Control.

RSTP/HTTP:

- On-Demand Streaming (RTSP)
- All Supported Input Formats
- SDP Support
- UDP or RTP/UDP Output
- TrickPlay (FF, REW, Pause)
- Random Access (SetPosition)
- Meta-Data Querying (HTTP)
- Media Duration
- Special Feature Access (RTSP + HTTP)
- KeyCut

System components based on configuration:

- Intel Dual Core Processor
- Linux OS
- Streamron Software
- Media Storage Device
- A/V Capture Devices

About us:

SVTM,LLC is a Technology Solutions Provider focused in the development of products in multimedia A/V industry. The result of our R&D efforts are innovative approaches to multimedia streaming solutions and methodologies for effective usage of these technologies in multimedia over IP services and applications.

Contact us:

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