



## Streamron IPTV VOD Technical Specifications

### FEATURES

#### 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)
- AC3 Audio (Dolby)
- AAC Audio
- MPEG-1 Audio
- 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

