

# STANDARDS

**Video standards:**

- MPEG-2 Part 2 (MP@ML, MP@HL)
- MPEG-4 Part 10 – AVC (ITU-T H264) (Main profile, Baseline Profile, High Profile Level 5.1)
- Definition:
  - HD: 720p, 1080i, 1080p
  - SD: PAL, NTSC, SECAM (progressive and interlaced)

**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
- DVB teletext

Transport standard: MPEG-2 Part 1 (Transport Stream)

**Input for live streaming could be:**

- analogue capture cards;
- DVB adapter cards;
- IPTV streams from a UDP socket.

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

**Functionalities live streaming:**

- Live Media Re-Streamer
- N-VOD (PayTV)
- PAT and PMT Generator
- On-Screen Player (SDL Video and Audio Output, FFmpeg Decoders)
- Text and Image Overlay

**File streaming supports :**

- content on demand
- NVoD channels

**URL Media Specification functionalities:**

Playlist Streaming (splicing), Priority-based Stream Switching, RTSP Control, HTTP Control.

Supports streaming of: live TV channels, live Radio channels, live Cams

**Features:**

- MPEG-2 Program Stream:
- Audio Track Selection
- Subtitle Track Selection
- Live Input Streams (UDP and HTTP)
- Duration
- Audio Input Streams:
- Video Backgrounds

**Input formats:**

- MPEG-2 Program Stream (.vob, .mpg)
- MPEG-2 Video (.m2v)
- MPEG-1/2 Audio (.mp3)
- MP4 File Format (.mp4)
- UDP:
- MPEG-2 Transport Stream
- HTTP
- ShoutCast and IceCast Audio Streams (MP3).

**Supported Codecs**

- MPEG-2 Program Stream
- MPEG-2 Video
- MPEG-1/2 Audio
- AC3 Audio (Dolby)
- DVD Subtitles (Transcoded to DVB-SUB)
- MP4 File Format
- MPEG-2 Video
- H.264 Video (AVC)
- MPEG-1/2 Audio
- MPEG-2/4 AAC Audio
- MPEG-2 Transport Stream over UDP
- Any combination of supported codecs

**RTSP/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

# CONTROL

