

TOUCAN

VOD & nPVR streaming server

Toucan is a video on demand (VOD) and network Personal Video Recording (nPVR) streaming server for hospitality and corporate environments. Designed to fit the needs of hotels, hospitals, residential sites, and cruise ships it also suits a large number of enterprise applications including internal video libraries, employee training and in-store digital signage.

Toucan is capable of streaming on-demand video content to IP set-top boxes and software players (RTSP) connected to TV sets or PC screens. As well as mobile devices such as tablets and smartphones. Interoperable and standards compliant, Toucan streams can be quickly and easily integrated with third party equipment.

The Anevia Toucan VOD server also delivers advanced video services such as personal recording, Catch-up TV, playlist generation, and content archiving for on-demand streaming.

Features and Benefits

- Plug & stream: immediately operational
- Easy access to uploaded content through FTP and GUI
- Up to 20 000 users and 2 000 simultaneous sessions per Toucan
- Easy integration with third party solution thanks to ready-to-use APIs
- Software or appliance base



Record and Stream On-Demand Video Content over IP

Applications

VOD: On demand content that users can watch and pause at anytime.

nPVR: Record and play without using an STB hard drive.

Start Over: Rewind to the beginning of a live TV program.

Pause TV: Pause, instant replay, fast rewind and forward, TV + N hours.

Catch-Up TV: Watch TV programs after they have been broadcast.

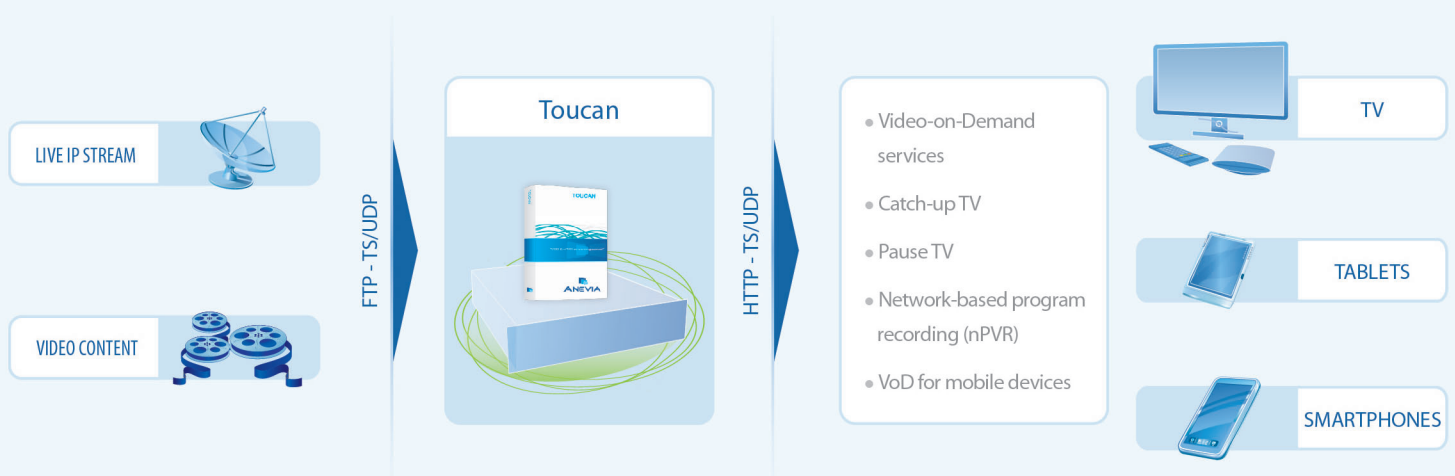
Trailers: Watch movie trailers on tablets and smartphones using the Multiscreen VoD option.

AVAILABLE OPTIONS*

Multiscreen VOD with Adaptive bitrate, SNMP

* Contact us for more information

FUNCTIONAL ARCHITECTURE



SPECIFICATIONS

VIDEO & AUDIO FORMATS

- Managed codecs: MPEG-2, MPEG-4 (H264), MP3, AAC, AC3.
- Video & audio encapsulation: MPEG transport stream
- CBR and VBR streams
- SD and HD resolutions
- Ingestion mode: Live multicast, FTP, USB storage

IPTV STANDARDS

- Protocols: MPEG-TS over UDP
- Multicast or unicast

INCLUDED FEATURES

- Video on Demand (VOD)
- Network personal video recording (nPVR)
- Network time-shifting and delayed channels through circular buffers
- Playlist management
- Trick modes: fast-forward/rewind, pause, play...

ADMINISTRATION & MONITORING

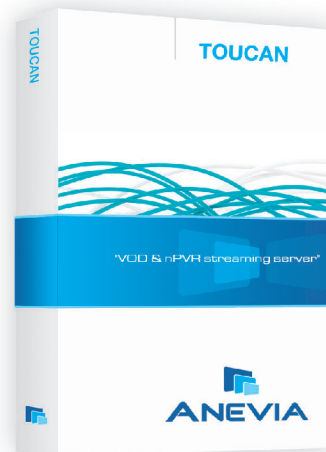
- Advanced Web interface
- SSH (secure command line interface)
- Monitoring and management through SOAP API
- SNMP monitoring & alerts

MULTISCREEN STANDARDS (OPTION)

- Input: MPEG-4 (.mp4) video files through FTP
- One input file per bitrate (part 12) or one single file (part 14)
- HTTP streaming output protocol: HLS, Smooth Streaming, Flash HDS, MPEG-DASH, Progressive download
- Multiple output bitrates for adaptive streaming
- Automatic metaplaylist and playlist file generation

INTEROPERABILITY

- With major set-top-box, CAS/DRM, and middleware vendors.
Contact us for an updated list.
- SOAP API for easy integration.



HARDWARE VERSION

- 19" rack mountable, 1RU
- HxWxD: 1RUx17.2"x19.8" (44 x 437 x 503mm)
- Weight: 14 kg
- Voltage: 100V-240V AC, 50/60 Hz
- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20 to 60°C
- Humidity: 5-95% @ 40°C
- Power consumption: 120W

SOFTWARE ONLY VERSION

- Delivery as a bootable USB or as a VM image
- Support for most HP and IBM servers
- Support for other hardware platforms