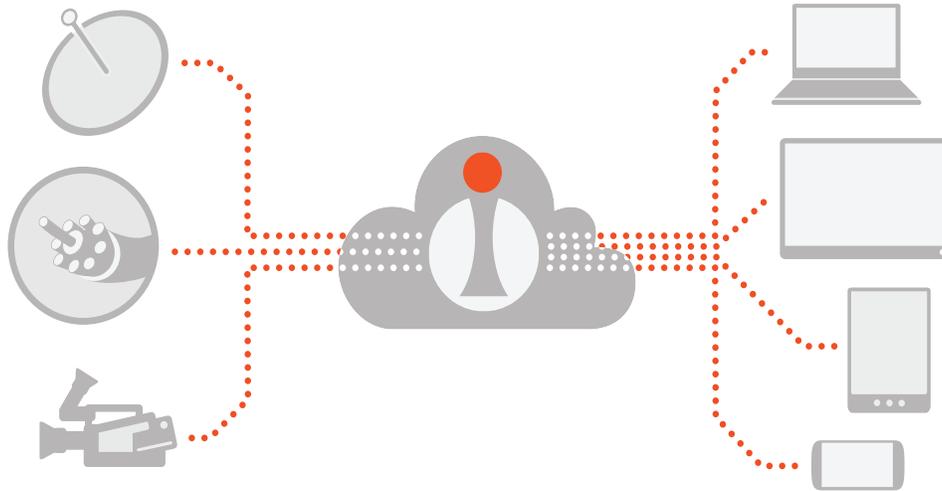


Aventus

Live video workflow, simplified



Launch hundreds of live linear channels

Simplified, live linear streaming: ingest, media processing, security and publishing integrated into one solution.

Launch channels in minutes versus months, quickly add more channels as needed.

24/7 support for 24/7 streaming channels.

Built from the ground up for the cloud

Commodity hardware and virtualized environments create efficiencies and drive down costs.

Failover and redundancy built-in.

Deploy on premise in a private cloud or use the Aventus Service (SaaS).

The highest quality video on any device

Reach your multiscreen viewers: PCs, phones, tablets, game consoles, connected TVs.

Highest quality, cloud-based video output: 1080p with 8 layers for one price.

Best viewing experience through unlimited, optimized profiles that match video output to target device.

Aventus is a cloud-based, live video workflow solution for delivering live events and live linear channels online to the most popular connected devices.

Aventus provides greater efficiency and flexibility than traditional, hardware-based solutions. Content owners and distributors can deliver a high quality, TV everywhere experience to their audience, no matter what device they're on.



call to schedule a demo

702.492.5900

info@iStreamPlanet.com

www.iStreamPlanet.com

[@iStreamPlanet](https://twitter.com/iStreamPlanet)

Aventus Features

Input Formats

MPEG-2 Transport Stream (M2TS)

Protocol – Unicast UDP
Ad Markers – SCTE-35 Cue Messages
Closed Captions – EIA/CEA-708

Adobe Real Time Messaging Protocol (RTMP)

Protocol – RTMP pull from server

Input Codecs

MPEG-2 / H.262 Video

Main Profile (4:2:0)
High Profile (4:2:0, 4:2:2)
422 Profile (4:2:0, 4:2:2)

MPEG-4 AVC / H.264 Video

Baseline, Main, High Profile (8-bit 4:2:0)
High 10 Profile (10-bit 4:2:0)
High 422 Profile (10-bit 4:2:2)

MPEG-2/4 AAC (LC) Audio

Stereo, Surround (5.1, 7.1)

Dolby Digital (AC-3) Audio

Stereo, Surround (5.1, 7.1)

Video & Audio Processing

Audio

Channel Downmixing, Resampling, Dynamic Range Compression (DRC)

Video

4:2:2 to 4:2:0 Chroma Subsampling, Deinterlacing

Output Codecs

MPEG-4 AVC/H.264 Video

Baseline, Main, High Profile (4:2:0 Progressive)

MPEG-4 AAC Audio

LC, HE v1, HE v2 Profile – Stereo, Mono

Output Formats

Apple HTTP Live Streaming (HLS)

Segmented Files, Audio-Only Streams, Ad Markers, Closed Captions, Multiple Audio Languages, Support v3 and v4 of HLS spec

Adobe HTTP Dynamic Streaming (HDS)

Ad Markers and Closed Captions

Microsoft Smooth Streaming

PIFF 1.3, Windows Azure Media Services, IIS Media Services, Ad Markers, Closed Captions and Multiple Audio Languages

Content Protection	AES-128 for HLS
Closed Captioning	EIA/CEA-708
Advertising	Ad Marker Input SCTE-35 Cue Messages or API calls Ad Marker Output HLS Playlist Markers (EXT-X-CUE-*) Smooth Streaming Sparse Tracks (ADI3) HDS CueInfo Messages
Slate Insertion	Still Image Slate
Publishing	HTTP — Microsoft Smooth Streaming, Apple HLS, Adobe HTTP Dynamic Streaming (HDS) FTP — Apple HLS
Scheduling	API Driven
Telemetry	Channel Status Ingest, Decoding, Encoding, Packaging, Publishing
Failover & Redundancy	Automatic Channel Recovery VM Recycling
External API & UI	User Interface and API Create/Edit Channel Encoding Preset Selection Input Video Preview Channel Telemetry Start/Stop Scheduling Channel Dashboard Secure API (SSL) User Authentication (X.509 Certificate) API Only Secure API (SSL), Slate Insertion, Ad Insertion
Orchestration Layer	Aventus Orchestration Server VM Management Web Service (HTTP REST API)