AVIION

COMPLETE OTT SOLUTION

What is AVIION?

AVIION TV Suite is a subscription-based, hosted end-to-end OTT and IPTV solution. It is suitable for companies of all sizes, enabling them to share, manage and monetize their digital assets libraries across all Internet-enabled connected devices. Immediately available, easy to use, and loaded with powerful features, AVIION allows you fast-to-market presence with live and on-demand materials, thanks to its wide spectrum of tools. In addition, AVIION can be deployed both as a standalone or cloud solution.

▶ cloud or standalone
▶ live and VoD content
▶ unified, simple user interface
▶ simple GUI backoffice
▶ iOS, Android, PC, Mac, STB clients
▶ encompassing IPTV
▶ fully scalable
▶ customizable client skins
▶ asset management
▶ CRM integration
▶ marketing and feedback
▶ DRM support
▶ pay-per-view support
▶ smart tools

Why is it right time for OTT?

Elegant digital media distribution can function both as a standalone profitable service, or a quality addition to the existing range of digital services you may already provide. Using the already available broadband networks, both wired and quickly expanding wireless, and offered as a cloud service, it is simple to deploy, reliable, customizable according to your style and visual identity, connectable to various related systems, and supported on a wide range of target platforms.

Besides the obviously large possible revenues based on a wide pool of customers, AVIION is a fantastic advertising platform and a sophisticated method to strengthen your hi-tech image, with reasonable budget and usually very little need for network upgrades.
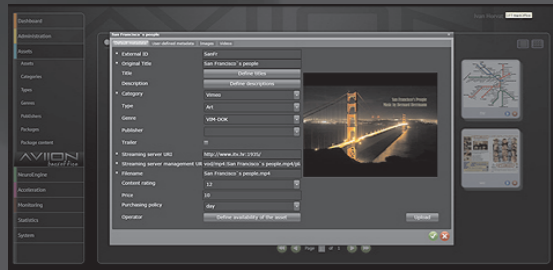
Distribute content quickly to any device, anytime, and through any kind of connection!

AVIION OTT KEY FEATURES

Asset management

No OTT system could be considered complete without an extensive support for Asset management. Primarily dedicated to Video-on-Demand content but extensible to support any kind of media distributable to target devices, it is a perfect counterpart to the live TV streaming experience.

- Asset administration
- Classification
- Publishers
- Packaging

Upgrades!

This feature scheme is by no means final! As AVIION is a living product constantly under fresh development and adaptation to new technological options, it is often being upgraded with new functionalities and capabilities.

These changes are often driven according to the wishes and technological demands by our clients and if you are interested in AVIION OTT solution, we will gladly adapt it to your possible specific wishes.

Furthermore, if you are interested in AVIION, our expert will gladly assist you in analysing your business case, finding its optimal installation package and setting the system up for you.

Cloud or local; VoD or live, or both; mobile or DSL; administered by your or our personnel; with peripheral tools and components you prefer   AVIION is highly configurable and its end-user interfaces can also be easily reskinned.

Dashboard & Stats

The underlying software monitors the functionality of all system components (servers, ingestion systems, processors, web streams) and reports on their status. Bandwidth utilization is monitored and can be split into segments according to device types, regions or types of service. Administrators can obtain the long-term trends about the OTT system, supplying valuable data for advertising and possible planned upgrades. Besides the real-time data, administrators can obtain the detailed reports and logs on system progress. These systems ensure smooth running and simplify possible expansions and long-term planning.

Powerful backoffice

Aviion TV Suite OTT is equipped with a powerful OTT administration system that allows easy and quick system control and a higher degree of automation.

- User administration - Couldn't-be-easier Permissions
- Device types and management
- SGO (Service Groups)
- Linear channel management
- Channel packaging
- Customer management
- Provisioning APIs
- Video recordings (Timeshift, nPVR)
- CRM/Billing interfaces
- Custom skin management
- Advertising management
- Statistics and analyses
- Automatic reporting
- Monitoring and alerts
- EPG automation

Dual screen experience

Customers having a combination of mobile and static devices within OTT can one to mimic the activity of the other, thus providing a true dual screen experience, with their mobile devices acting as advanced remote controls.

Cloud or standalone

Whereas large corporations prefer all software being installed and running locally at their premises, smaller organizations often go for the cloud solutions, which drastically reduce initial costs, deployment time and administration requirements. Therefore, AVIION is offered in both variants: we can run it on our powerful hardware as a cloud service and let you choose a business package that suits you optimally, or install everything on your infrastructure. Flexibility is the key!

Consistent experience

AVIION's client applications' user interface is unified across all supported platforms, and designed with various control methods in mind. Therefore, regardless whether the customer uses the system on an iPad, set-top-box, a smart TV or a computer, the experience and the approach are identical. We made sure the GUI is equally comfortable if controlled by a keyboard, touch, or a remote control!

Advertising

With marketing value being ever more important, AVIION is equipped with a sophisticated component which allows using various zones in the client applications as advertising space according to the rules set by the operator. Advertisements can be broadcast according to the built-in scheduler, triggered by an external source and even combined in various scenarios, and the entire platform is indeed powerful enough to serve as an independent marketing administration application! All playouts are accurately logged for further exposure analysis and billing information.

AVIION Flly

AVIION Flly is an intelligent program planning and scheduling tool, which perfectly fits the needs of the new startup webTV linear channels (info, movies, cartoons, news channels, etc.) or playout channels.

- Frame accurate calendar view
- Playout system or OTT video server realtime sync
- EPG connector (XML TV web service)
- Asset magement integration
- Ingest list
- Secondary graphics events
- As-Run-Log

Smart tools

Behind the front user layer, a dedicated engine is running constantly to provide the client with the valuable statistics and viewing data, and the customers with the recommendations according to their personal preference. Its notable features include:

- Automatic individual separation
- Trend analysis
- Maximum scope
- Iterative learning
- Web service

In addition, the incoming unclassified EPG shows are automatically categorized according to their keyword distribution.

DRM integration

Don't worry about your content being exposed to unauthorized "ripping"; AVIION supports many world-recognized digital content subscription standards, often required by the content owners. AVIION readily connects to any existing encryption solution where available, while we can recommend the optimal solution for our clients where starting from a blank sheet. We have a steady and successful business relationship with leading companies like Verimatrix, ensuring the highest level of content security.

Customizable skins

Adherence to the overall visual identity is one of the priorities when launching new products. AVIION client applications' skins can be configured and immediately applied across the entire system whenever needed. Background images, colors, captions and even fonts can be simply changed with a few mouse clicks. Thanks to a unified user interface, changes require very little manual attention!

EPG Tools

Ingest connectors. Import the EPG from the widely-used XMLTV format via dedicated application.
Scheduled automation. Automatically import the EPG data anytime you like, from any number of possible sources.
Manual editing. If necessary, you can use the EPG console to add and remove shows, as well as edit their parameters.
Conflict resolver. The system is equipped with an automatic detector of conflicting time show information, resolving them itself when possible, or notifying the EPG administrator when in doubt.

What is included?

With Aviion TV Suite, you get all the software set of tools needed to create, manage and deliver your flavour of available audio video internet services to internet enabled devices (smartphones, connected TVs, tablets, STBs, PC/Mac, gaming consoles,...).

Addition to that, there is comprehensive monitoring, reporting and statistic tools as part of the system ensuring you to run business aware service offering.

TV Scheduling tools · Pause live TV · Live TV · File delivery · Quality check · File Acceleration · Billing & Provisioning APIs · Timeshift TV and Catchup TV · Newsroom integration · Monitoring · Content protection DRM · Media Asset Management · nPVR Scheduled recording · Middleware · Pause live TV · TV Scheduling tools · VideoStore (Video on demand) · Storage in the cloud · Backoffice · Billing & Provisioning APIs · Live channel scheduling · File Acceleration · News room integration · Content protection DRM · Live TV · Middleware · nPVR Scheduled recording · Content recommendation · Encoding & Transcoding · Statistics and Reporting · AI recommendation engine · Content Quality Check · Media Asset Management · Live TV · Timeshift TV and Catchup TV · Backoffice · Electronic program guide · Startover TV · VideoStore (Video on demand) · Social networking · Newsroom integration · Storage · Content Quality Check

Whether in a cloud or standalone, handling VoD or live content, AVIION is suitable for everyone.

Broadcasters • Using Aviion platform, the broadcasters can reuse their content and existing digital media assets enriched with extensive metadata information and publish them to wide Internet audience, bypassing tradditional linear terrestrial distribution or proprietary IPTV/Cable operators platforms. At the same time they can keep visual identity of their channels with dynamic graphics overlays scheduled in the same way as traditional secondary graphics events.

Cable & Telco • Advanced media distribution is a powerful new feature Cable & Telco organisations can offer to the customers as an expansion of their core service. Attractive both to business clients as an advertisement and added value platform, and to general public as an attractive method to unify the video experience on the TV, computers, mobile phones, tablets and other media-rich devices, it is a major step forward in bringing digital connectivity to a new, commercially highly viable level.

News agencies • A simple method to constantly provide up-to-date news, usually enrichened by live broadcasts and news videos. Functioning perfectly with the possibly already existing news website.

Education • Educative materials available to every student, anywhere, anytime and on any type of platform, combined with the live lecture streams and document feeds.

Museums • Videos related to the expositions, announcements and specific on-demand information about individual items would embellish the experience of every museum, both on visitor's phones and rent-a-device systems that may be offered.

Libraries • Actual news about new books, educational materials coupled with the local school OTT's, general information, maps, demo materials etc.

Shopping malls • Almost every modern shopping mall already provides its internal video cast with the advertisements and mall info? Why not expanding the view to the mobile platforms and coupling them with the live TV and on-demand experience?

Accomodation • Many hotels are over-encumbered by the complex existing video services. Switching to Avion OTT could simplify their systems, and combine them with the useful hotel informations.

Leisure sites • An offering of live TV and on-demand video via Wi-Fi may increase the attraction of campsites, picnic grounds, sports facilities, beaches and even jogging grounds.

Corporate areas • Combining useful video streams for the personnel and the possibilities for in-house entertainment in the waiting rooms; presentations, educational videos, etc.

Sporting grounds • Attendance entertainment can be combined with the live feeds from the various cameras around the site. Suitable for both arena-style sports and mass-scale events such as large races, multi-discipline events, etc.

Conferences • Besides all the information that standard smartphone applications for conferences offer, now it is possible to follow live streams from any conference room or other covered location. Every session can be stored, so if something is missed, it can still be available later, even after the conference is closed, whenever or from wherever it is the most convenient. Since it is possible to selectively allow access to live streams from any location, organizers can now reach to participate many of those who were unable to attend the conference in person.

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