

DiSA - digital broadcast automation

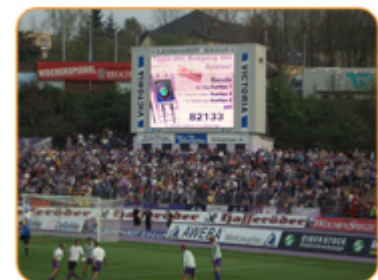
Send your Information to the People

Send your Information to the people The DiSA broadcast automation is an integrated solution for broadcasters. Providing an entirely digital work-flow from ingest to playout, it enables you to optimize your processes. Based on a modern Media Asset Management, it offers all the functionality you need and assures reliability and consistency of your data. The network based scheduling application enables highly efficient control of several playout servers with different playlists as well as ingest and transcoding servers.

Channel-In-The-Box

Central and distributed playout. Animated channel graphics. Text crawls from RSS feeds and SMS tickers. Automated ingesting in high and low resolution. DVB encoding. Teletext insertion. XML import. Support of standard audio and video formats and resolutions. The DiSA fulfils all the needs of professional broadcasting as a channel in-the-box-system. The modular design of DiSA allows you to customize the system to your specific requirements. Take part in the success of DiSA and experience, how easy broadcasting can be.

As a turnkey system DiSA contains all required hardware and software modules. It is a single source solution for both SD and HD with real-time graphics, video title and animations and has an integrated Direct-to-DVB interface. No matter using DiSA as „Selfdrive“- automation or as a complex High-Definition (HDTV) broadcast playout. The DiSA playout server is a robust „Channel-In-The-Box“ system with integrated content management and playout control and automatic on-air update functionality for 24/7 seamless playback mode.



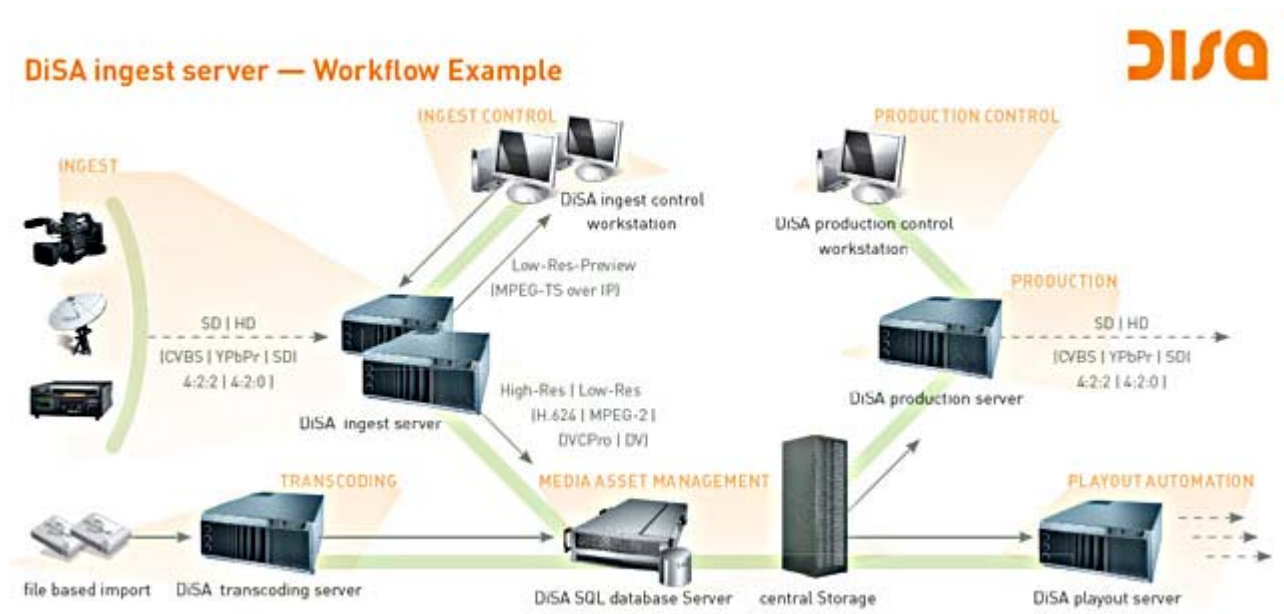
DiSA – Ingest Engine

Completely digital

Enabling a completely digital workflow for the DiSA system, a powerful and versatile ingest module is inevitable. Our DiSA Ingest module is an integrated solution for

- recording live events,
- capturing broadcast streams,
- digitizing clips from tape decks and
- transcoding of imported video files.

It captures the video from any source and encodes it in high and low resolution. You can choose between several video formats, like MPEG2, H.264 and DV / DVCPro. The different video formats can even be captured simultaneously from one input signal on a single Ingest server. Additionally, the encoded video stream can be sent via UDP / TCP to get a live preview. For documentation purposes it is possible to insert the date and time into the video.



It is all in your hands

You can control as many Ingest servers as you want, directly within the DiSA Scheduling interface or as a stand alone unit. The recorded video clips are registered in the DiSA database automatically, so you can use it immediately after the ingest job is done. Ingest jobs can be both time controlled and manually started.

Planning and Media Asset Management

The DiSA Scheduler is the user interface of the DiSA Payout Automation.

Everything

With the DiSA Scheduler you handle all the regular daily jobs for program planning. From registering new clips and adding meta data, to creating templates and program blocks, to adding channel graphics and finally booking the clips. The DiSA Scheduler provides useful functions to minimize your effort and maximize your success. Annoying technical processes are best possible automated, so that you can concentrate on your business: providing creative and highquality content.

From everywhere

The scheduler is an easy-to-handle Windows application that can be used on any office workstation within the network. It is connected to the database server, thus other users immediately recognize all actions. The SQL server assures the consistency of all actions. This concept allows a shared workflow via network.



To everywhere

You can control up to 255 playout stations – even with 255 different playlists – in parallel. No matter, if you are in central or distributed mode, all playout servers automatically receive the database driven on-air updates.

Multi-layer design

With the powerful channel graphics system, you can insert many animations, text crawls, and other video clips (PiP) into the video. All graphics are inserted including alpha-channel for transparency effects. The preview window with drag'n'drop functionality allows easy and comfortable positioning of all add-ons. The graphics can be scheduled clip-based, time-based and manually.

Security and reliability

The included Media Asset Management provides additional features to make the daily work even more convenient. User rights management and archive/backup features on the one hand and import/export of 3rd party files (e.g. XML, EDL) on the other hand help you working professionally and efficiently. The integrated billing system allows you easy accounting of commercials.

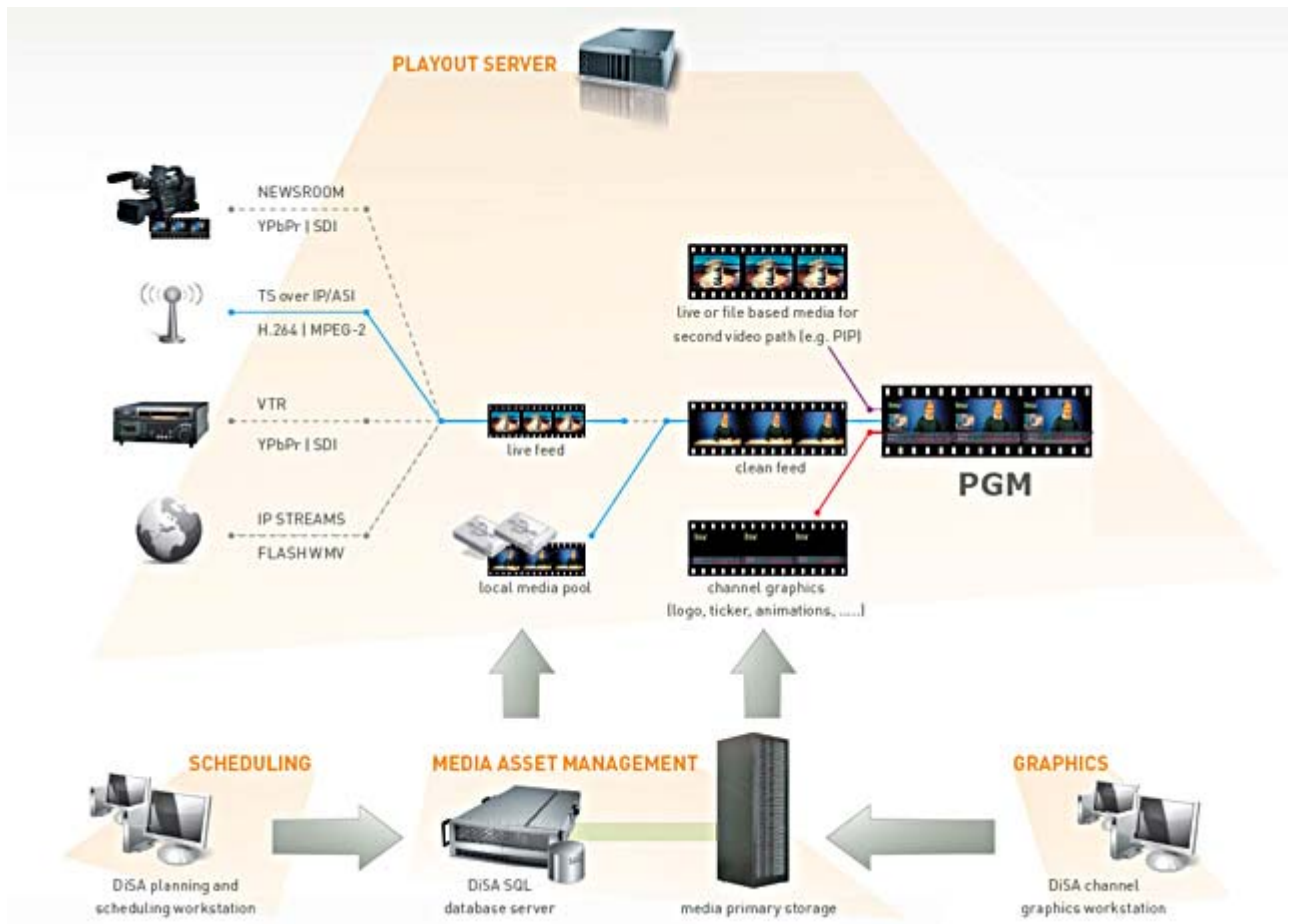
Multichannel playout automation

Powerful

DiSA has a high-performance graphics render engine playing all mainstream video standards in broadcast quality for both SD and HD. The flexible and individual layer design offers a comfortable real-time insertion of graphics, crawls and animations without any additional hardware! By using our powerful hardware! By using our powerful digital video mixing renderer it is possible to run various real-time calculated transitions and the integration of external live video sources.

24/7 Seamless Playback

The playout engine is designed for continuous operation in 24/7 or time slot mode. Program schedule updates are performed automatically in a transparent way without any interruptions. The play engine stores all clips locally on hard disk to avoid broadcast interruptions in case of network failure. A preview window enables monitoring of the current program.



Be flexible - multi format playout

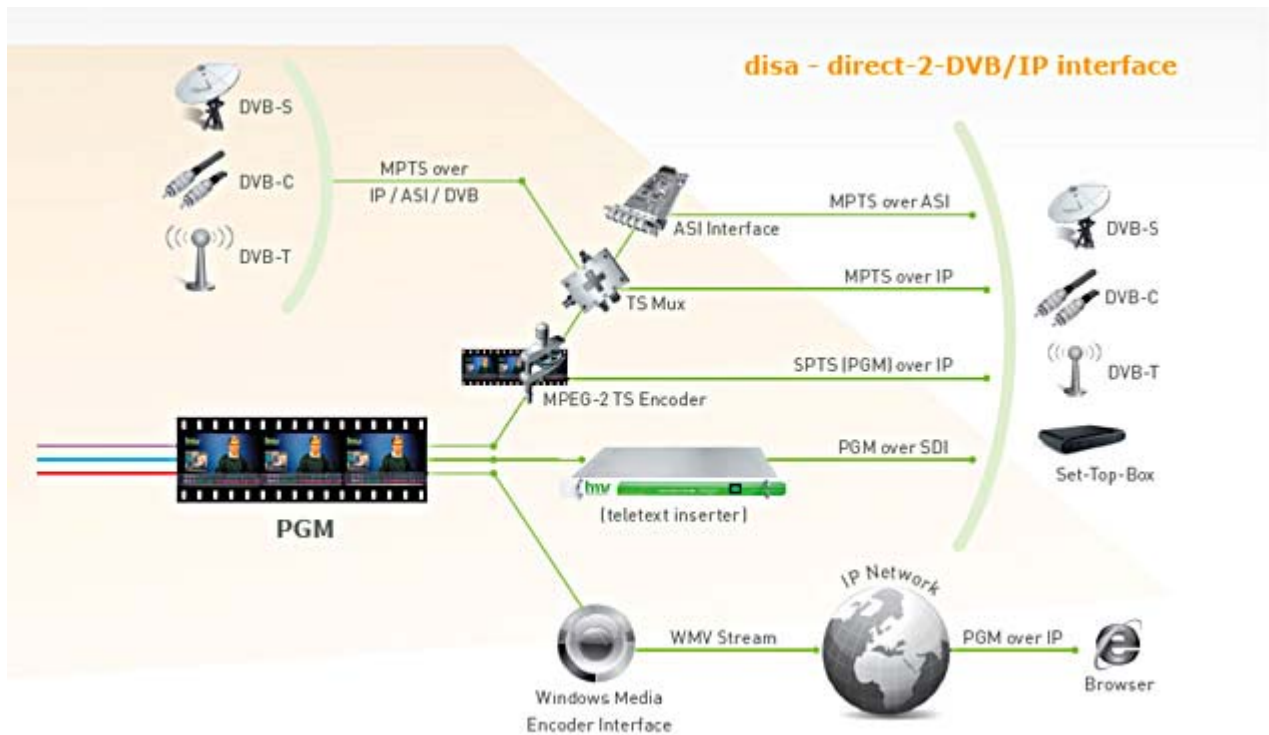
The DiSA Play Engine offers a modern playout interface for playing all mainstream video formats and cross media content in highest broadcast quality. The unique 2D/3D render engine is able to integrate future standards. In addition to the hard disk based playout, the Play Engine offers an interface to integrate external live video sources (Live Pass-Through-Mode).

As many as you want -Channel Graphics Branding

The powerful render engine enables real-time insertion of crawls, graphics, clocks, animations and other interesting functions like PiP or splitscreen. All layers are managed time independently to the playlist. Every layer contains a transparency channel (alpha channel).

Reduce Cost - Direct-to DVB Interface

You can easily switch DiSA to DVB mode. The Play-Engine module will broadcast a DVB compliant MPEG-TS with synchronized EPG and teletext, while the standard output (Composite, SDI, ...) is still in operation. With its flexible architecture you can even perform MPEG-4 based IP streaming in parallel to the playout, e.g. for Mobile TV (DMB, DVB-H).



Reliability

DiSA has a robust broadcast architecture, redundant power, hotswappable fans, watch dog functionality and a local video storage.

Perfect your senses - DiSA HD

DiSA offers full-featured HDTV payout with real-time graphics, video title, animations, crawls and live video source insertion. With the dual SD | HD interface, DiSA can play out both resolutions simultaneously.