

DiSA

Channel Payout

- IP-based workflow
- Multi-screen delivery
- SD/HD/UHD output
- Real-time graphics
- Seamless handling of live & pre-recorded material



Multi-screen delivery

With the DiSA Channel Payout you can reach an even larger audience by supporting all kinds of receiving devices. Beyond standard television delivery the payout supports IPTV, OTT and HbbTV.

IP-based workflow

DiSA Channel Payout can handle various types of IP live sources. Along with common SDI and file based sources these sources can be seamlessly integrated into one workflow. External live links can be set up quickly, straightforward and cost-effective, which allows completely new program schemes.

24/7 seamless payout

The payout server is designed for continuous operation in 24/7 or time slot mode. Program schedule updates are performed automatically without any effect on the output signal.

Powerful – SD/HD/UHD

DiSA has a high-performance graphics render engine playing all mainstream video standards in broadcast quality in SD, HD and UHD.

Integrated DVB/ATSC Interface

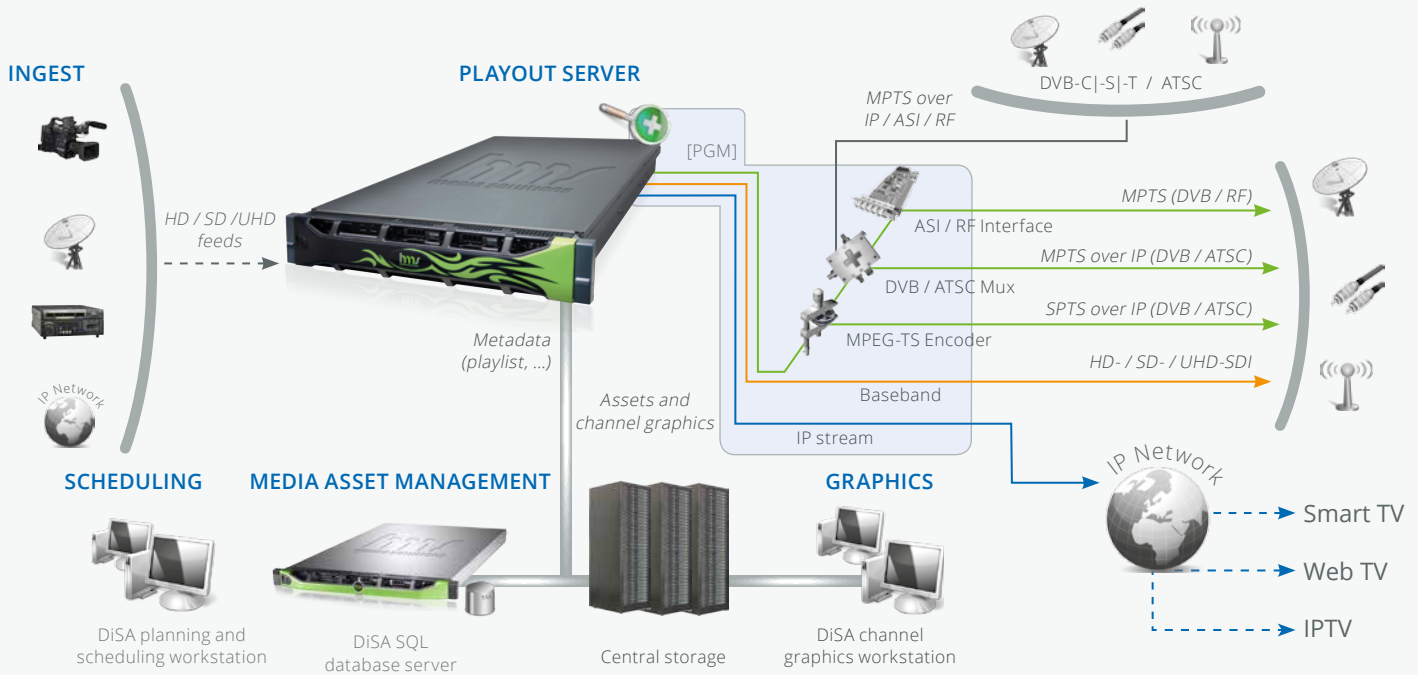
You can easily include additional modules to your payout, such as encoders and multiplexers. The integrated MPEG-TS multiplexer provides a DVB or ATSC compliant stream with integrated SI/PSI resp. PSIP information. For more details on Encoding and Multiplexing please have a look at our PEM product brochures.

Templated real-time graphics

The render engine offers real-time overlay of graphics, crawls and animations without any additional hardware. By using our powerful digital video mixing renderer it is possible to add multiple real-time calculated transitions as well as external live video sources.

It allows insertion of lower thirds, crawls, graphics, clocks, animations and other interesting features like picture-in-picture. All layers can be scheduled independently to the main playlist.





Reliable

DiSA has a robust broadcast architecture, redundant power supply, hot-swappable fans, watch-dog functionality and mirrored local video storage.

The Play Engine buffers all clips locally on hard disk to avoid broadcast interruption in case of network failure.

Affordable

DiSA Channel Playout uses standard hardware. The channel-in-a-box-technology saves initial cost as well as power and rack space. Due to the modular design of DiSA you only need to pay for the features you need.

Flexible

DiSA allows a high grade of flexibility and scalability. You can easily integrate additional modules, even to existing systems. There are various open interfaces for interact with third party systems which allows them to seamlessly be integrated into you DiSA workflow.

Key Features

Channel-in-the-Box Technology

- Multichannel playout
- Seamless 24/7 playback
- Dual HD | SD broadcast
- Live-passthrough (SDI | IP)
- Real-time channel branding
- Multichannel audio
- Loudness normalization (EBU R128, ITU BS1770-2)
- Multi file format support (ProRes, XAVC, AVC-Ultra, XDCAM, MXF)
- Automated on-air playlist updates
- Real-time news feed insertion
- EAS interface
- CC support (CEA-608 | -708)

IP Stream Encoder

- IP stream interface (RTMP, RTSP, TS over UDP/RTP/TCP)
- Integrated H.264/AVC and AAC encoder
- Pro-MPEG Forward Error Correction

Live Sources

- SDI (SD/HD/UHD) | CVBS
- IP (RTMP, RTSP, TS over UDP/RTP/TCP)

Encoder / Multiplexer

- MPEG encoder (MPEG-2 | H.264/AVC)
- DVB | ATSC compliant multiplexer
- SI/PSI (DVB) | PSIP (ATSC) table insertion
- EPG | Teletext | HbbTV® data insertion
- Supported interfaces: ASI | RF | IP | SDI

Maintenance

- SNMP monitoring
- As-run log export
- Extended playlist statistics
- Emergency playlist
- Failover features
- Alert signaling
- Local data storage
- GPIO support
- Watchdog features

