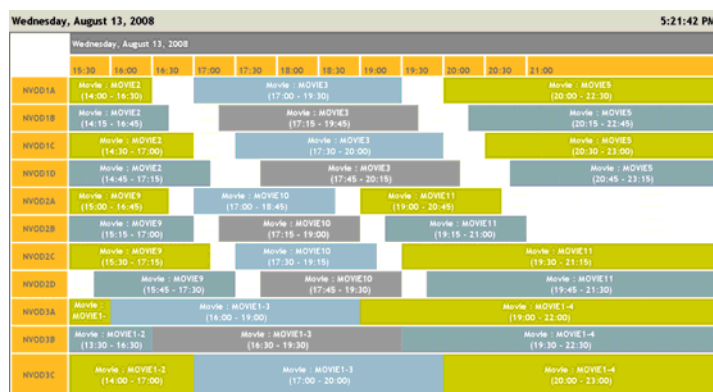




DVB VIDEO PLAYOUT SYSTEM

XSTREAM is a MPEG-2 TS servers, designed to record and playback several digital MPEG-2 DVB Transport Streams. XSTREAM video server is tailored to provide a cost-effective solution for ad insertion, program play-out, time delay, and NVoD applications.

The system supports up to 32 standard channels simultaneously via ASI or IP outputs carrying MPEG-2/ MPEG-4 video. The server then generates live transport streams (DVB), and provides advanced multiplexing and PSI/SI management functions. The result is a DVB compliant transport stream that can be used directly, without any post processing.



APPLICATIONS

MULTI CHANNEL PLAYOUT

Used by the provider to generate local channels based on the play list schedule.

NEAR VIDEO ON DEMAND (NVoD)

NVoD is pay-per-view consumer video technique used by multi-channel operator using high bandwidth distribution mechanisms such as satellite and cable television. A Number of movies are played at short time intervals (typically 15–30 minutes) providing convenience for viewers, who can watch the movies without needing to tune in at a scheduled point in time

AD-INSERTION

By combining splicing technologies and the latest SCTE standards, XStream implements ad-insertion seamlessly. This provides broadcasters with the opportunity to maximize revenues and handle different advertising market requirements, while saving on cost.

TIME DELAY PLAYOUT

XStream performs record and playback with programmable delays enabling broadcasters or contribution operators to manage different time zones.

KEY FEATURES

- Supports SD/HD content with MPEG-2 & MPEG-4 video
- Frame-accurate capture and ingest
- Frame-accurate and seamless multi channel play out
- Superior remultiplexing capabilities
- Advanced asset management, including clip import, export, and trimming
- Support for SCTE35 triggers
- Scalable storage (SAS) with RAID security
- SNMP support for monitoring

FEATURES

- Frame Accurate Record and Playback of MPEG-2 Transport Stream files
- Simultaneous Play-Back of 32 Services in from one server.
- De-multiplexing capability to select specific programs from the incoming multiplexes
- PID/Program remapping
- Seamless splicing in the MPEG-2 domain (live to live, live to disk)
- Manage Ad insertion on multiple channels from the same server
- Play list scheduling on a weekly / monthly basis
- Automatic import of play list and assets
- Time delay capabilities for one or several incoming streams, from minutes to hours.
- Simultaneous re-multiplexing of several play lists, live or delayed streams in real time to create a fully MPEG-2 DVB compliant multiplex, which can be directly connected to a modulator.
- Management application for Configuration and monitoring
- As Run Log creation

SPECIFICATIONS

- ASI Interface : 4 ASI IN and 2 ASI Out (BNC)
- IP Interface : 2 Giga bit port
- Format : MPEG2/MPEG4
- Metadata : ADI 2.0

PHYSICAL SPECIFICATIONS

XStream Video server system is available in 3RU System. Specifications may vary dependent on additional desired options such as redundant power supply, failover requirements, input/output options and more.

- 3 RU Super Server
- Intel Quad Core Xeon Processors
- Internal 2.4 TB SCSI/SATA storage (RAID-5)
- Redundant power supply
- Windows XP / Server 2003 / Vista



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