INFINITY

media recording

Multichannel

Multiple bit rates

IP streams

DVB encoding

circular buffer analysis **export**

interpretation

General Description

Our Infinity solution provides you our professional logging and documentation system. No matter, if audio or video, analog or digital, low-res or high-res — the modular design of HMS Infinity allows uninterrupted recordings and offers extensive analysis.

Planning & Scheduling

The Infinity Job Management module is our user interface for all recording tasks. New tasks will automatically be forwarded to free recording lines. Due to the database interface, the module is perfectly suited for strategic planning as well as operational control.

Recording

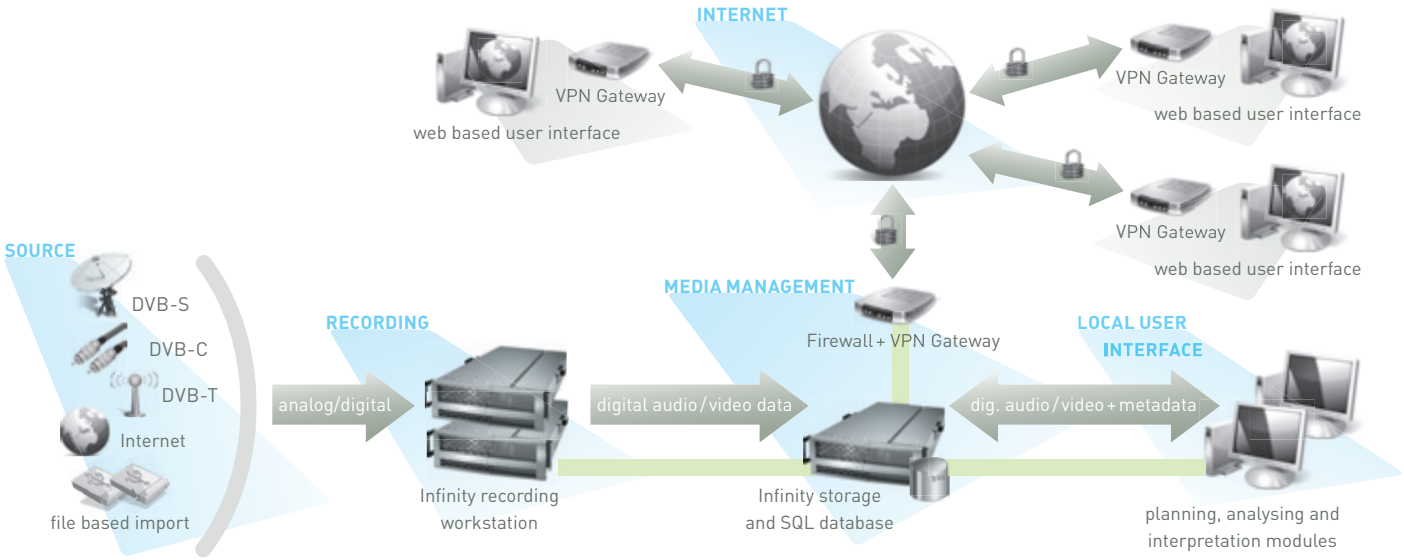
The Infinity recording modules have been designed for simultaneous recordings of multiple audio and video channels on a single machine. Each channel can be recorded in low and high resolutions with individual bit rates. For long time recordings, an integrated circular buffer controls the media management.

Interpretation

The Infinity audio and video analysis module manages daily duties covering all kinds of jobs from interpretation and analysis of the recorded data to cutting and exporting for further use. The system features easy navigation within the material as well as extensive tools for coding the data according to application specific requirements.

Infinity Workflow Example

INFINITY



.: audio / video recording modules

- continuous recording of any length within a circular buffer
- time-controlled automated recording
- parameters (format, bit rate, recording time et al.) adjustable per channel
- supported video standards: PAL (25 fps) / NTSC (30 fps)
- resolution: full D1, PAL (720x576) NTSC (720x480)
- video inputs: CVBS | YPbPr | SDI | DVB compliant MPEG TS | IP stream
- audio inputs: analog, AES/EBU, SDI embedded, DVB compliant MPEG TS | IP stream
- sample rate: 22,05 kHz, 32 kHz, 44,1 kHz, 48 kHz
- video bit rate: 48 kbps up to 15 MBit/s
- audio bit rate: 64 kbps up to 384kbps
- video compression: H.264/AVC | MPEG-2 | DV25 | DVCPro25
- audio compression: aacPlus | MPEG-1L2/3 | WAV

.: interpretation module

- seamless playback of coded audio and video data
- time shifted playback of files currently being recorded
- convenient and easy to use playback tools: play, fast forward, variable slide show, random access without time delay
- display (graphics and tables) of codes (with integrated pattern recognition module only)
- display of RDS data in relationship to audio data (with integrated RDS module only)
- export of encoded data to SPSS, CVS, HTML, EXCEL, ASCII
- print option
- visualization / editing of encoded sections
- targeted starting playback of encoded sections
- digital audio and video data export
- dual screen analysis mode (e. g. full screen on second display)
- export of video data with subtitles for DVD authoring (date, time, program station)

.: job management

- adjustable timing (continually, daily, weekly) of a job
- tuning, adjustment of audio and video quality, file size, transmitter chain, receiver etc.
- management of unlimited recording lines with up to 3 audio or video channels per line
- automatic or manual distribution of segments to free recording channels
- plausibility check of all parameters
- recordings in a circular buffer
- comfortable job and segment management (clearing, shifting and other)
- job generation with external data (analog, digital), e. g. digitizing of audio or video tapes

Key Features

- Multi-channel audio and video logging
- simultaneous Low-Res and High-Res recordings at multiple bitrates
- records video data in H.264 | MPEG-2 | DVCPro25
- records audio data in AAC, MPEG-1L2/3, WAV
- records time-controlled and with circular buffer
- convenient and easy to use job management and playback tools
- contains pattern recognition
- web based user interface
- export of video data with subtitles
- bookmark audio and video data for retrieving and analyzing
- remote access via internet

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