

Transport Stream Recording and Transcoding System



**MIT**-*xperts*

iRecorder

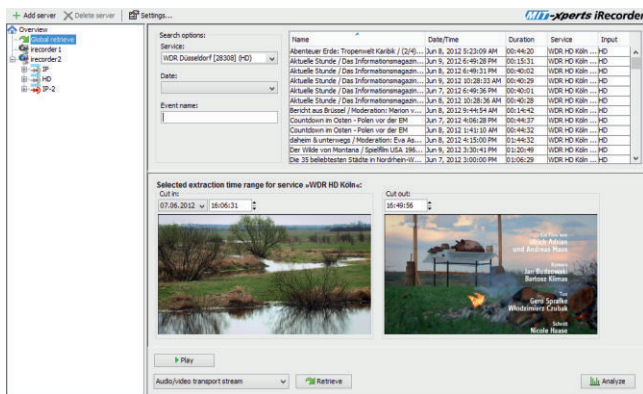
# iRecorder TS Recording and Transcoding System

## Recording Made Easy

MIT-xperts iRecorder allows you to easily record DVB ASI or IP transport streams. Playing back recorded streams to ASI or IP, as well as retrieving recordings as a file or burning them to a DVD is supported, or even time-shifted playback is as easy as a click of a mouse.

Both MPTS (multi-program transport stream) and SPTS (single-program transport stream) is supported. Recorded audio and video can also be viewed by each connected client using a local IP player.

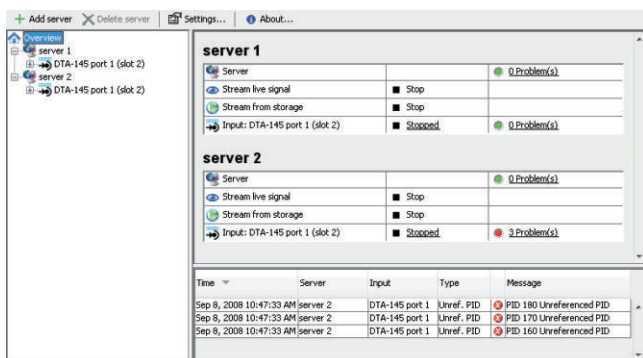
iRecorder allows scheduled and permanent recordings as well as "on error" recording (only record when TR 101 290 analyzer detects a problem). The system automatically keeps the last X days on your hard disk and deletes older data.



iRecorder Global Retrieve view

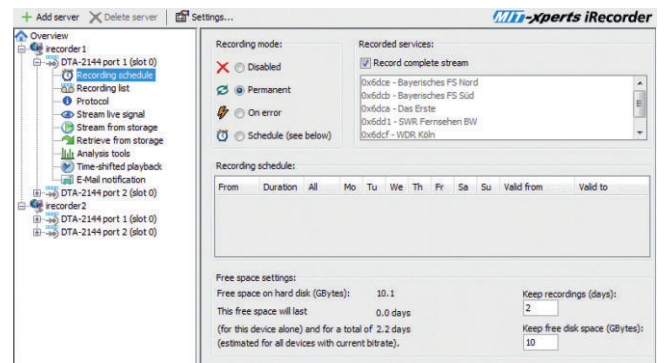
## An Intuitive GUI

iRecorder's GUI is intuitive and powerful, yet easy to use. At the left side of the screen, a tree view of all connected servers and their recording devices (inputs) is shown. For each input, various options exist: definition of input source, recording schedule, content analysis, streaming, transcoding, time-shifted playback, etc.



iRecorder Server Status overview

The various playback options (stream live signal, from storage, retrieve data as file, burn to CD/DVD, transcode, analyze, etc.) as well as the selection helpers (select time by manual input, select recording, search clip by title, visual video finder, etc.) make iRecorder a true life saver when trying to detect and solve broadcasting problems.

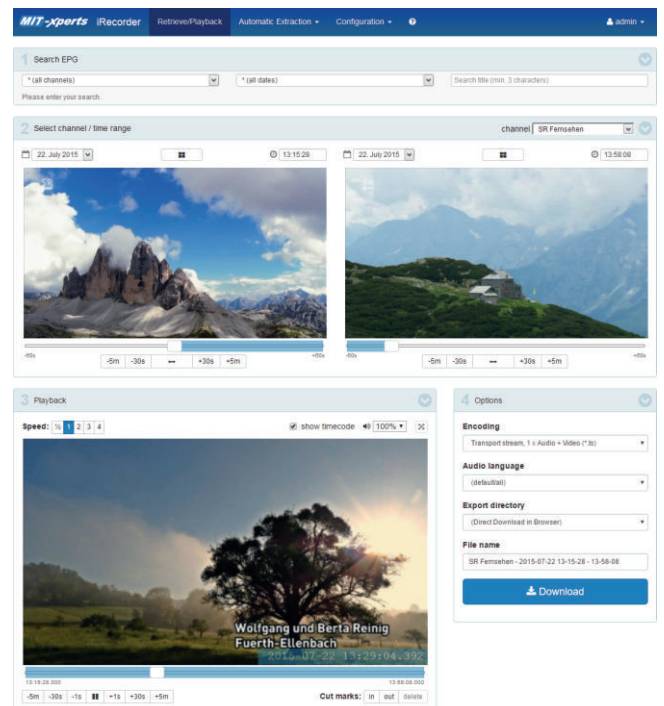


Recording Schedule view

## Numerous Retrieval Options

Data can be streamed (either live monitoring or from storage). Streaming to ASI, IP, or modulated output is supported. Stored data can also be downloaded as TS file, as DVD or transcoded to a different format (e.g. low-res video, H.264/MP4, HEVC video for web streaming, etc.).

The iRecorder Web Access option provides an easy web-based GUI for less experienced/technical users. It allows intuitive retrieval of recorded audio/video content.



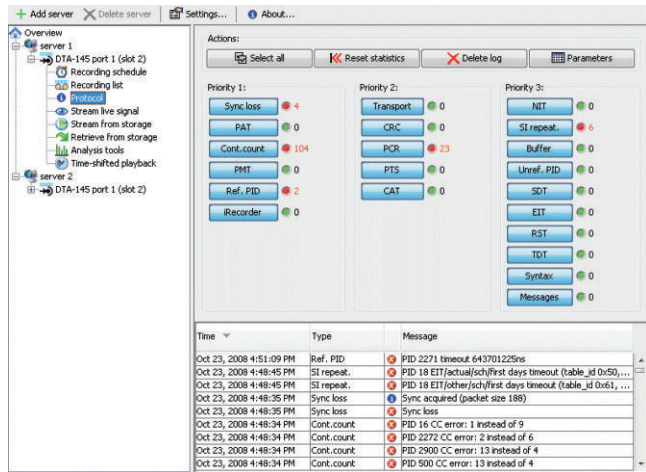
iRecorder WebAccess option



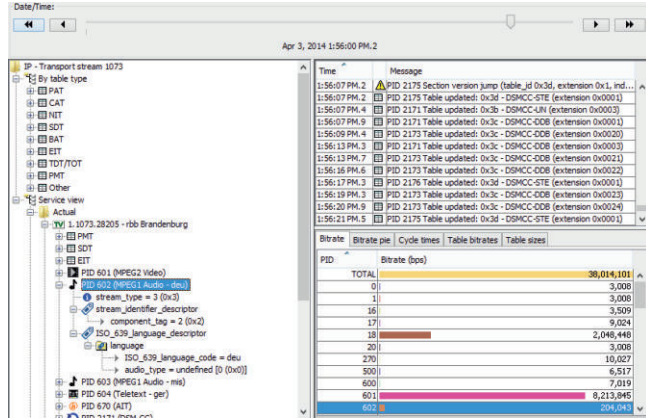
# Key Features and Benefits

## Analysis Features

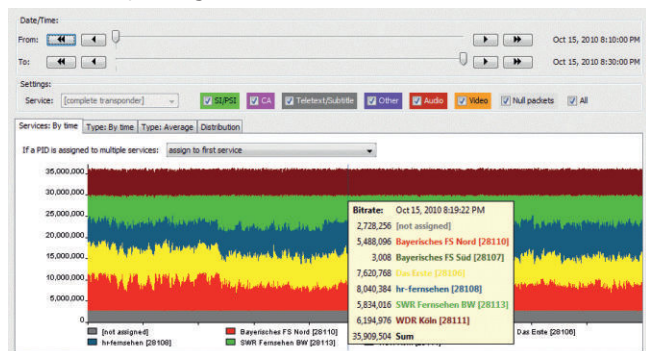
iRecorder includes various analyzing features. The TR 101 290 transport stream analyzer checks every recorded transport stream. The tests can be configured per input.



The analysis option allows you to decode, analyze, and display the SI/PSI tables of your stream(s) at any recorded point in time. As tables change over time and detected errors are logged, you can jump directly to the problems and compare changes.



In addition to that, the analysis option includes additional features, such as the PMT analysis (compares the elementary streams referenced by a PMT with the actual stream content), DSM-CC analysis and various bitrate statistics reporting tools.



## iRecorder provides:

- Proof of SLAs (Service Level Agreements)
- Content storage for complete transport streams
- Instant problem detection and recovery
- Easy extraction of recorded content (by time, video search, metadata search, recordings)
- Status reporting and recording control via SNMP agent

## Recording features:

- Record from IP and ASI input (MPTS or SPTS)
- T2-MI decoding support
- Continuous / scheduled / on error recording
- Transcoding option while recording

## Playback features:

- Output to ASI, IP, or to modulator hardware
- Live playback (monitoring)
- Time-shifted playback
- Recording playback
- Recording extraction to MPTS/SPTS files
- Burn recordings to DVD
- Retrieval in transcoded format (H.264/MPEG-2/MP3)

## Analysis option:

- TR 101 290 analysis of recorded data
- Examine SI tables (tree view) at any recorded point in time
- PMT/Stream analysis
- HbbTV/MHP DSM-CC analyzer (carousel decoder)
- StreamEvent decoder
- Bitrate analysis and statistic tools

## Web Access option:

- HTML-based UI for retrieval tasks
- live stream monitoring
- easy filtering and data retrieval
- retrieve as TS, H.264, HEVC, MPEG-2, or DVD
- auto-extraction based on time or event title

## Technical Data

- 4U 19" server, redundancy by adding backup servers
- Up to 12 physical IP ethernet ports
- Up to 12 physical ASI ports or 6 demodulator ports
- Up to 16 MPTS inputs or 50 SPTS inputs
- Up to 160TBytes recording storage
- Licensed by logical input, either MPTS or SPTS
- Options: WebAccess + Analyzer
- Smallest license: 1 input, largest license: 16 inputs
- Robust server (redundant power supplies + hard disks)



#### **ORDERING INFORMATION**

Please contact us for further details on different available options.



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