

EIT/SI Analysis and Display System



MIT-*xperts*

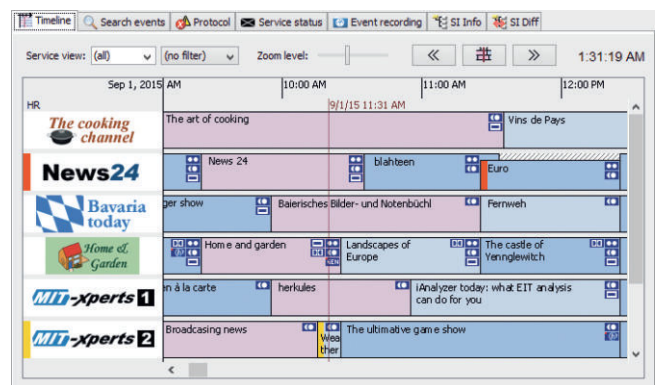
iAnalyzer EIT

iAnalyzer EIT/SI Analysis and Display System

Your EIT at a Glance

Regular transport stream analyzers do a great job when it comes to analyzing transport stream descriptors. But when analyzing the EIT, these systems do not help. The EIT is so complex and contains so much information that a regular tree-based descriptor display model fails.

iAnalyzer helps you analyze the EIT by using models that are specialized in handling EIT information, and it provides a deep insight into your event schedule. iAnalyzer is used by technicians for its EIT analysis capabilities and by non-technical personnel for its comprehensive event views.

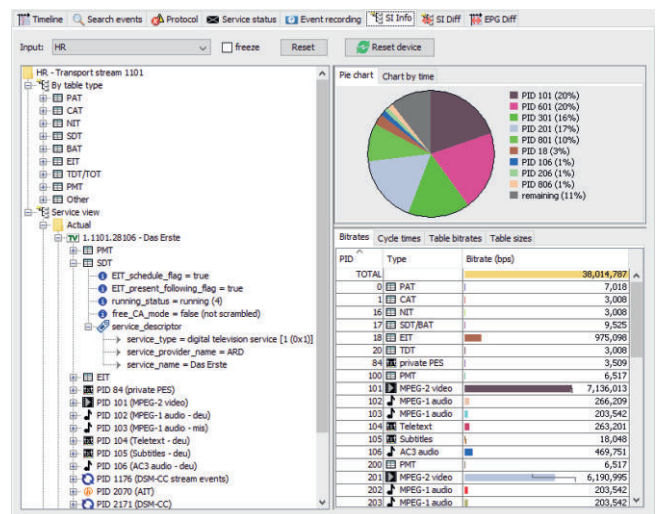


Timeline view

An Intuitive GUI

iAnalyzer's GUI is intuitive and powerful, yet easy to learn. The "Timeline" view shows all events on a timeline, just like an EPG grid. This view is not only highly customizable with service logos, service lists, zooming, and other event display options - it is also optimized for EIT analysis and depicts erroneous events (e.g. overlapping events).

The “Search events” view displays all events in a table and allows various filter and sorting options. The “Protocol” view displays the result of the EIT analysis. The “Status” view shows video snapshots, audio/video elementary stream information, and present event information for all configured services.



SI/PSI tree view with bitrate analysis

iAnalyzer Networking

iAnalyzer supports multiple ASI, IP or modulated inputs and is able to combine the different input EITs into a single user interface. Multiple clients can connect to a single iAnalyzer server which enables you to use the system from anywhere. Read/write permissions, combined with passwords, also allow you to grant access to inexperienced staff members.

Though the GUI may be installed on clients, iAnalyzer can also be accessed using a regular Java enabled web browser.



Service Status view

The complete event detail with all decoded descriptors is shown when double-clicking on any event displayed by iAnalyzer. Plugins and external descriptor definitions allow you to add support for your special SI descriptors.

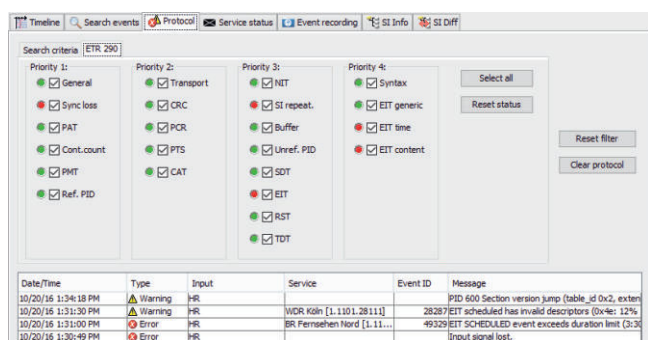


Sophisticated Analysis Options

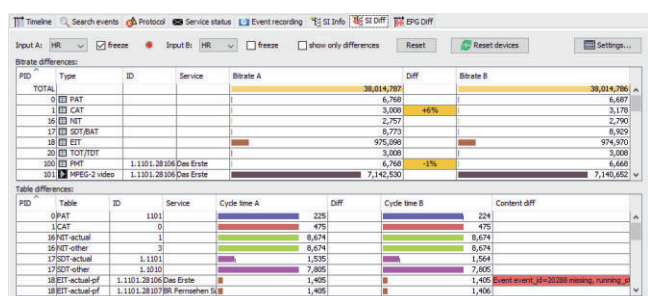
iAnalyzer not only displays your EIT, it also analyzes all input streams automatically. The comprehensive analyzing algorithms can detect the following problems:

- Full ETS TR 101 290 analysis for EIT (e.g. packet errors, section errors, input signal problems, etc.)
- EIT table timeout detection with configurable values
- Missing EIT present / following or scheduled on service
- Gaps between scheduled events
- Overlapping of scheduled events
- Present event not matching live broadcast (e.g. different content descriptors or component tags)
- Missing parental rating or PDC information
- Present event not matching current time
- Event ID of EIT present or following event not found in scheduled events
- Time range of EIT present or following event not identical to the corresponding scheduled event
- Events of linked services differing (linked services are services that should have the same events during a certain time)
- EIT packaging problems (wrong order, event in wrong segment, section changes without version increment, ...)

... and many more



Protocol view



SI/PSI difference view

iAnalyzer provides:

- Intuitive display of EIT content
- Comprehensive analysis
- Comparison of EIT with audio / video broadcast
- Instant problem detection
- Build your own rules for verifying event data (multiple check sets allowed)
- Compare two inputs in SI/PSI tables
- Compare two inputs in EIT events
- Report problems via SNMP

Display features:

- Timeline view marking problematic events and services
- Search event view
- Protocol / analysis view
- Status view with video snapshots
- SI/PSI tree view

Analysis features:

- ETS TR 101 290 analysis
- Graphical bitrate and cycle time display
- Detection of potential problems
- Detection of broadcast errors
- Filtering / search options on analysis results

Define your own:

- Service views (service lists)
- Service icons (service logos)
- Linked services
- Thumbnail services (audio / video snapshots)
- Check set configuration
- Modulation parameters / input settings
- SI table timeouts
- Error / warning filtering
- Various display options

Technical Data

- 1U 19" server, redundancy by adding backup servers
- Up to 8 physical IP ethernet ports
- Up to 6 physical ASI ports
- Up to 20 logical inputs
- Up to 80 Mbit/s per logical input / ASI input
- Chain multiple servers to monitor more data
- Licensed by logical input
- Smallest license: 1 input, largest license: 20 inputs
- Robust server (redundant power supplies + hard disks)



ORDERING INFORMATION

Please contact us for further details on different available options.



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