



Equipment

# INSPECTOR

BTS RECORDER AND ANALYSER

**EiTV Inspector** is a program recorder equipment with content analysis as additional feature.

Records the station signal in a "BTS / TS Compressed" for up to 30 days and, for each service, for a period of at least 3 months.

Content can be received over IP (TS / BTS over UDP / RTP), ASI (188/204) or RF (UHF / VHF).

It has a Transport Stream Analyzer to decode tables and ISDB-Tb descriptors and also provides additional analysis for the following data, for each service:

- ▼ Closed Caption
- ▼ EPG
- ▼ Loudness
- ▼ Interactivity



## Main Function

### Content recording

- ▼ Record the entire channel content;
- ▼ Original content stored up to 30 days;
- ▼ Each service is stored in low resolution for at least 3 months;
- ▼ Content preview;

### Download

- ▼ Download recorded parts without interrupting the recording. Original resolution content up to 30 days and low resolution content at least for 3 months;
- ▼ Allows independent download of each service, fully supporting multi-programming channels;
- ▼ Allows content to be downloaded with Closed Caption "burned" in the video;

# Additional analysis functions

## Transport Stream

- ▼ Continuity Counter Error alarm;
- ▼ Repetition rate of PSI / SI tables;
- ▼ Decode PSI / SI tables content;
- ▼ Decode PAT, PMT, NIT, SDT, TOT tables and descriptors according to ABNT- NBR15603;

## Closed Caption

- ▼ Monitoring the presence of Closed Caption for each service;
- ▼ Report generation according with the minimum number of hours required by law;
- ▼ File generation in SRT format;
- ▼ Search by words from recorded content;

## EPG

- ▼ Monitoring the presence of EPG (Electronic Program Guide) for each service;
- ▼ Content search and download based on program guide;

## Loudness

- ▼ Compliance recommendation EBU R 128 -2011;
- ▼ Generation graphs showing the variation of the level of Loudness;
- ▼ Download CSV file with precision measurements of seconds for up to 4 audios per service;

## Interactivity

- ▼ Monitoring the presence of interactivity for each service;
- ▼ Decoding and download Ginga application transmitted through DSM-CC (Object Carousel);

# Hardware Specification

## ASI Input Interfaces (optional)

- ▼ ASI Physical Layer: EN50083-9;
- ▼ DVB-ASI Connectors: 75-Ω BNC;
- ▼ Transmission Rate: 0...214 Mbps;
- ▼ Packet size: 188 or 204;

## RF Input Interfaces (optional)

- ▼ Input Frequency: 174 ~ 806 Mhz (VHF/UHF);
- ▼ RF Connector: 75-Ω F;
- ▼ RF Level Input: -75 dBm ~ -12 dBm;
- ▼ Bandwith: 6, 7 or 8 Mhz;
- ▼ Maximum bitrate: 40 Mbps;

## IP Input Interfaces

- ▼ Packet Size: 188 or 204;
- ▼ Protocols: UDP and RTP;

## Storage

- ▼ Minimum of 8 TB;

