

# Ei TV Equipment Multi-EPG

**EiTV Multi-EPG** is a high-availability equipment designed for operation in digital TV broadcasters. It is fully compatible with the specifications of the Brazilian ISDB-Tb standard and European DVB standard.

The equipment offers the best cost-benefit in the market. This is the result of generating the programming guide for several different generators, integrated by a single equipment. The functions performed are as follows:

- ▼ EPG Server
- ▼ TOT Server (Time offset table)



## Key benefits:

- ▼ Allows generation of multiplex EPG streams in a standalone equipment;
- ▼ Supports the following formats: ISDB-Tb (H, M and L-EIT) and DVB (EIT);



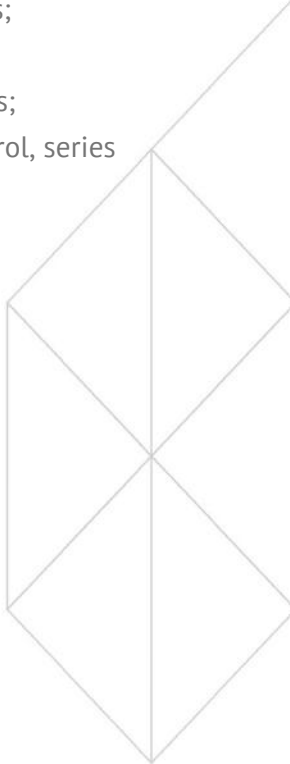
## Main features:

- ▼ Each guide is transmitted through a single configurable PID, based on the selected standard (ISDB-Tb format can transmit up to 3 PIDs, one for each layer);
- ▼ Each TS supports up to 8 services per layer according to the configuration (ISDB-Tb mode);
- ▼ All PIDs are multiplexed into a single output (TSoverUDP / GbE or ASI);
- ▼ WEB user interface to configure and register events;
- ▼ Supports all EIT descriptors: short\_event\_descriptor, extended\_event\_descriptor, component\_descriptor, content\_descriptor, digital\_copy\_control\_descriptor, audio\_component\_descriptor, series\_descriptor, event\_group\_descriptor, parental\_rating\_descriptor, content\_availability\_descriptor;
- ▼ Supports XML format for configuration and automatic transmission of event guides;
- ▼ Supports Multi-language EPG;

### EPG Server

- ▼ Multiplexing and generation of EPG according to ABNT NBR 15603;
- ▼ Supports generation of several different EPGs for broadcasters with different ID's;
- ▼ Generation of EIT p / f and EIT scheduling for electronic programming guide;
- ▼ Information of date, time, duration, title, subtitle and description of the programs;
- ▼ EIT Descriptors (short event, parental rating, audio component, digital copy control, series descriptor, extended event descriptor);
- ▼ Automatic update of EIT tables based on XML file and FTP protocol;
- ▼ Graphical interface (WEB) for generating events;
- ▼ Synchronization with external clock via NTP;
- ▼ Allows EPG input via USB and RJ45 interface;
- ▼ Works simultaneously and independently with multiple EPG streams (independent video channels);

### TOT Server

- ▼ Generation of the time offset table according to Brazilian Standard ABNT NBR 15603;
  - ▼ Independent time setting for each stream;
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# Hardware Specification

## Output Interface

- ▶ ASI Physical Layer: EN50083-9;
- ▶ Conector DVB-ASI: 75-Ω BNC;
- ▶ Transmission Rate: 0...214 Mbps;
- ▶ Transmit Rate Resolution: < 1 bps;
- ▶ Transmit Rate Stability: < ±10 ppm;
- ▶ Burst Mode On/Off: yes;
- ▶ Maximum Jitter: 70 ns p-p;
- ▶ Package Size: 188 bytes;



### **EiTV – Entretenimento e Interatividade para TV Digital**

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