Ei TV

Equipment
CC BOX
DECODER

With the **EiTV CC Box**, the broadcaster can use the digital distribution link or the VHF / UHF signal from the Digital Transmitter to provide the signal to the Analog Transmitter, simplifying the operation completely.

It allows the insertion of the information of disconnection of the analog transmission, published in the Brazilian ordinance nº 378, of January 22, 2016.

The inserts of Logo, Text in Crawl and Cartela can be done both manually and automatically!

EiTV CC Box is a set-top box developed for contribution systems that are using IP networks for the transmission of ISDB-Tb data, with support for TSoverUDP or TSoverRTP formats and 188 or 204 bytes (BTS) packets. The equipment will decode one of the services present in the flow, according to the configuration.

EiTV CC Box can also be used to directly tune the ISDB-Tb (VHF / UHF) digital signal of the broadcaster.

The Closed Caption conversion module, is responsible for decoding the received text in ARIB-824 protocol and convert it to the **CEA-608** standard that will be inserted in Field 1 of Line 21 in composite output.

This content can also be inserted into a SD/HD-SDI signal through an external Closed Caption inserter through TCP/IP communication.

EiTV CC Box decoder has the ability to decode the ISDB-Tb signal and generate the composite format (NTSC / PAL-M) with the caption on line 21 and apply the LetterBox / PanScan video formats.

It also has automatic switching between the RF and IP inputs (Main / Backup) and TSoverUDP streaming when the content is received by the RF tuner.

TECHNICAL SPECIFICATIONS

Video Decoding:

- Standard: H.264 (MPEG-4 AVC), MPEG2
- Format: 480i, 720p and 1080i
- Frame Rate: 25, 30, 50 and 60 fps
- Video frequency: 50 and 60Hz

Audio Decoding:

- Standard: HE-AAC@L4, AAC e MPEG1

Management:

- Interface WEB
- SNMP

Input Interfaces:

- Tuner ISDB-T: VHF / UHF Frequency Range 174 to 806 MHz (channels 7 to 69)
- Ethernet RJ45 (100 Mbps): TSoverUDP, TSoverRTP (188/204 bytes per packet)

Output Interfaces:

- HDMI
- Composite Video (PAL-M and NTSC) and Stereo Audio (Left / Right)
- Ethernet RJ45 (100 Mbps): TSoverUDP (188 bytes)