



ISDB-T Dual Channel Encoder

HD, SD E 1-SEG

Model: MVE-100R

EiTV ISDB-T Dual Channel Encoder is a low cost and high efficiency audio and video encoder for ISDB-Tb transmission. **EiTV ISDB-T Dual Channel Encoder** is a rack-mount system.

Encodes from a single entry, or distinct inputs, up to 2 services all resolutions: HD, SD and One-Seg, multiplexed in a single TS over ASI and/or IP (TSoverUDP).

It has internal generation of all **PSI / SI tables** required for ISDB-Tb transmission (PAT, PMT, SDT, NIT, TOT), **Programming Guide** (EPG-H / L-EIT), **Closed Caption** extraction from HD-SDI video and conversion from CEA-608/708 to ARIB-B24 (ISDB-Tb standard). In addition, it allows the insertion of **local Closed Caption**, via IP, with automatic bypass of the content received in the video signal.



RESOURCES AND PERFORMANCE

GENERAL

- ▼ WEB Interface / Serial configuration
- ▼ Inputs: SD/HD-SDI, HDMI, Component
- ▼ Outputs (MPEG2-TS with up to 2 services): ASI and IP (TSoverUDP)
- ▼ Compatible with ISDB-Tb Encoding standards: ABNT15602-1, ABNT15602-2 and ABNT15602-3
- ▼ Up to 2 services (HD + HD, HD + SD, HD + OneSeg, SD + SD or SD + OneSeg) multiplexed
- ▼ Compatible with Multiplexing ISDB-Tb standards: ABNT15603-1, ABNT15603-2 and ABNT15603-3
- ▼ Closed Caption conversion from HD-SDI video (CEA-708) and local insertion via TCP / IP, as standards ABNT15606-1 and ARIB STD-B24 VOL1 PART 3
- ▼ Internal Generation of Programming Guide (EPG) from XML file (via FTP) or Web interface

VIDEO

- ▼ H.264 video encoding and Broadcast quality
- ▼ Support for Baseline profiles, Main and High
- ▼ Low latency (less than 70msec)
- ▼ Bitrate configurable
- ▼ Resolutions: 320x180, 320x240, 352x240, 352x288, 352x576, 40x360, 640x480, 704x576, 720x576, 720x480, 1280x720, 1920x1080
- ▼ High Quality De-interlacer
- ▼ Video bit rate, GOP and Burst size configurable

AUDIO

- ▶ Audio encoding format extensions: AAC-LC ADTS, AAC-HE ADTS, AAC-LC LATM, AAC-HE LATM, AAC-HE V2
- ▶ Support 8 channels of audio in SDI input (4 x stereo)
- ▶ Support Metadata HE-AAC (ABNT15602-2)
- ▶ Bitrate configurable stereo subchannel: 12Kbps up to 96kbps
- ▶ Interfaces: Analog Jacks, HDMI Embedded and Audio SDI Embedded

INTERFACES

- ▶ SD/HD-SDI Input
 - ▶ HD-SDI: 720p, 1080i
 - ▶ SD-SDI: 480i
- ▶ 1 Component Input
- ▶ 1 HDMI Input
- ▶ 2 ASI Outputs
- ▶ 1 GigE

OTHERS

- ▶ Network Management: Device IP, subnet mask and gateway
- ▶ Additional Interfaces: 2x USB 2.0, SATA2 and RS-232
- ▶ Software control:
 - ▶ Web Based GUI: Configuration and Software Update
 - ▶ RS-232: Configuration
- ▶ Energy:
 - ▶ 100-240 VAC - External Power Supply
 - ▶ 25W - Power Consumption Typical
- ▶ Temperature and Humidity:
 - ▶ Operating: 0 to 40 degrees C 20-80% relative humidity
 - ▶ Storage: -10 to 50 degrees C 20-80% relative humidity
- ▶ Weight: 2.76 Kg
- ▶ Dimensions: 430 x 200 x 44 mm



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