

HD ISDB-T MODULATOR GHM-J1

The modulator able to generate a signal in ISDB-T format (Digital Terrestrial Television) from HDMI input.

The modulator is MPEG-4/H264 encoding, ISDB-T modulation integrated device to convert HDMI signal to ISDB-T RF out. It has equipped with one channel HDMI input, one HDMI out(HDMI pass-through) and one ISDB-T RF out.

The modulator adjusts the compression rate to the available bandwidth, using the modulation ISDB-T parameters.



Features

- ISDB-T(ARIB STD-B31) Compliant transmitter for Digital Terrestrial Television
- No hierarchical transmission
- Configurable code Rates : 1/2, 2/3, 3/4, 5/6, 7/8
- QPSK/ 16 QAM/ 64 QAM symbol Mapping
- Configurable support for 4K and 8K FFT
- Configurable Guard Interval : 1/4, 1/8
- Support Channel Bandwidth 6MHZ
- MER >30 dB
- Carrier Suppression > 40 dB

Specifications

Source input

- Input Channel : 1
- Video : HDMI
- Video System : 480i/p, 576i/p, 720p, 1080i/p
- Audio : HDMI

Compression

- Video : H.264 High profile level4.0
- Video Resolution : 720p
- Video Bit rate : 12Mbps MAX.
- Audio : MPEG 1 Audio layer II (MP2) / AAC
- Audio Bit rate : 192 ~ 256Kbit/S
- DVB insertion tables : SDT, NIT
- Editable field : SERVICE NAME , NIT VERSION

Modulation

- Standard : ISDBT (ARIB STD-B31)
- Constellation : QPSK, 16QAM, 64QAM
- Guard Interval : 1/4, 1/8
- Code Rate : 1/2, 2/3, 3/4, 5/6, 7/8
- FFT Carrier Mode : 4K, 8K
- Bandwidth : 6MHZ

RF Output

- Type : 1 Multiplex ISDBT with a digital TV service
- Frequency : 177 ~ 858 MHz
- MER : 30dB, typically
- Output level : 100 ±10dBuV
- RF LEVEL ADJ : 0 dB ~ -30dB
- Attenuation step : 1dB per step

Connections

- HDMI IN : HDMI IN
- HDMI OUT : HDMI PASS THROUGH
- RF Output : 1 ISDBT RF output with type F female, 75 ohm

Power Supply

- : 12V 1.0A ADAPTOR

Display

- : LCD panel @ 2 x 16 characters (on front panel).

Configuration

- : 6 Local keys on front panel :
 - OK Key : Select parameter, or menu
 - L / R Keys : Move menu, or characters
 - Up / down : Select value of the figure, or field.
 - menu keys : Select menu

Environmental for operating

- Temperature : 5°C- 40°C
- Relative Humidity : 80% @ 30°C