

**FULL  
HD  
1080**

# DVB-T Modulator

**With IR Return Path**



## IR Receiving Eye



### • SOURCE INPUT

- Input Channel \_\_\_\_\_ : 1
- Video \_\_\_\_\_ : HDMI 1.4
- Video System \_\_\_\_\_ : 480i/p, 576i/p, 720p, 1080i/p
- Audio \_\_\_\_\_ : HDMI

### • COMPRESSION

- Video \_\_\_\_\_ : H.264 Baseline Profile Level 4.0
- Video Resolution \_\_\_\_\_ : 1080p 25 / 30 Max
- Video Bit Rate \_\_\_\_\_ : 12 Mbps Max.
- Audio \_\_\_\_\_ : MPEG-2 / AAC
- Audio Bit Rate \_\_\_\_\_ : 192 Kbit/s
- DVB Insertion Tables : SDT, NIT
- Editable Field \_\_\_\_\_ : SERVICE NAME , Network Name , Provider Name , TS ID , NETWORK ID , ORIGINAL NET ID , LCN , NIT VERSION , PRIVATE DATA , Country

### • CONNECTIONS

- HDMI IN \_\_\_\_\_ : HDMI IN
- HDMI OUT \_\_\_\_\_ : HDMI Pass Through
- RF Output \_\_\_\_\_ : 2 RF Outputs (one providing accessory power supply 9 volts DC for IR pass)
- DC Switch \_\_\_\_\_ : Power supply 9 volts DC for IR pass
- RF Input \_\_\_\_\_ : RF Combiner
- USB \_\_\_\_\_ : Firmware Upgrade

### / Features /

- Convert HDMI signal to DVB-T RF out with IR return path to allow channel changing from other rooms
- IR Frequency 38~56 kHz
- No hierarchical transmission
- Configurable convolution Rates
- QPSK/ 16 QAM/ 64 QAM symbol Mapping
- 2K/ 8K FFT
- Configurable Guard Interval : 1/4, 1/8, 1/16, 1/32
- Support Channel Bandwidth 6/7/8 MHz
- MER 30 dB, typically

### • RF OUTPUT

- Type \_\_\_\_\_ : 1 Multiplex DVB-T With a Digital TV Service
- Frequency \_\_\_\_\_ : 177 ~ 858 MHz
- MER \_\_\_\_\_ : 30 dB Min
- Output Level \_\_\_\_\_ : 95 dBuV
- RF Level Adj \_\_\_\_\_ : 0 dB ~ -20dB
- Attenuation Step \_\_\_\_\_ : 1dB Per Step

### • GENERAL

#### ■ MODULATION

- Standard \_\_\_\_\_ : DVBT (ETSI EN 300 744)
- Constellation \_\_\_\_\_ : QPSK, 16QAM, 64QAM
- Guard Interval \_\_\_\_\_ : 1/4, 1/8, 1/16, 1/32
- Code Rate \_\_\_\_\_ : 1/2, 2/3, 3/4, 5/6, 7/8
- FFT Carrier Mode \_\_\_\_\_ : 2K, 8K
- Bandwidth \_\_\_\_\_ : 6MHZ, 7MHZ, 8MHZ, 7-8MHZ

#### ■ POWER SUPPLY \_\_\_\_\_ : 12V 1.5A ADAPTOR

#### ■ DISPLAY \_\_\_\_\_ : LCD panel @ 2 x 16 Characters

#### ■ ENVIRONMENTAL FOR OPERATING

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

#### ■ CONFIGURATION : (6 Local keys on front panel)

- menu keys \_\_\_\_\_ : Select menu.
- ENTER Key \_\_\_\_\_ : Select parameter, or menu.
- L / R Keys \_\_\_\_\_ : Move menu, or characters.
- Up / down \_\_\_\_\_ : Select value of the figure, or field.