

## DVB-T2 Gateway

*Model: Tenor-MI2*



### Main Feature:

- DVB-T2 MI Interface to the DVB-T2 Modulators
- Insertion of L1 Signaling & SFN Time stamp
- Encapsulation of MPEG2 TS into DVB-T2 Baseband
- Single & Multi PLP Management
- Individual Addressing of DVB-T2 Transmitters
- User-friendly Configuration and Control
- Interoperability Proven with Major DVB-T2 Transmitters



## Technical Specification:

### DVB-T2 Encapsulation

- ◆ Encapsulation into Base Band frames
- ◆ Full support of BB frame modes

### DVB-T2 MI interface to the DVB-T2 Transmitters

- ◆ L1 Signaling & SFN time stamp insertion

### Individual Addressing of DVB-T2 modulators

- ◆ MISO (Multi Input Single Output) support
- ◆ Peak to Average Power Ratio (PAPR) parameters

### Integrated SFN adapter

### Single & Multi PLP operation

- ◆ Mapping of input TS into individual PLPs

### T2-MI Output

- ◆ Generation of T2-MI packets

### Inputs

- ◆ DVB-ASI Input: 8
- ◆ Ethernet Port: 1
- ◆ GPS 10MHz Input: 1
- ◆ GPS 1PPS Input :1

### Output

- ◆ DVB-ASI Output: 2
- ◆ 10MHz Loop Out :1

### TS Encapsulation in T2-M1 Packets

- ◆ Single and Multi PLP
- ◆ NPD (Null Packet Deletion)
- ◆ ISSY (Input Stream Synchronization) Support
- ◆ Normal / High Efficiency Mode

### Common(L1-Signaling) Parameter

- ◆ Bandwidth: 1.7MHz, 5MHz, 6MHz, 7MHz, 8MHz, 10MHz
- ◆ FFT: 1K, 2K, 4K, 8K, 16K, 32K
- ◆ Guard Interval: 1/4, 1/8, 1/16, 1/32, 1/128, 19/128, 19/256
- ◆ Pilot Pattern: PP1 ~ PP8
- ◆ Preamble Format: MISO/SISO
- ◆ Function to Modify DVB-T2 L1-Signaling

### SFN Parameter

- ◆ Time Delay: 0ms ~ 1000ms
- ◆ Off Set: -1000ms ~ +1000ms
- ◆ 1PPS Timing Reference Input

### TS and System Monitoring

- ◆ Min/Max/Current Bitrate Monitoring of Packets for each Services
- ◆ Easy-to-use web based GUI
- ◆ Monitoring All Input, Output and System
- ◆ Full SNMPv2 support

### Physical Dimensions

- ◆ Dimension : 483mm (W) x 1RU (H) x 300mm (D)
- ◆ Weight : 4.50Kgs
- ◆ Format : 1RU rack mount, width 19"
- ◆ Power Consumption : 24W
- ◆ Power Supply : 85 ~ 264 VAC

