



## Main Feature:

- ASI Input with 188 and 204 packet lengths
- DVB-T Modulation Mode: 2k/8k; Constellation=QPSK, 16QAM, 64QAM; FEC=1/2,2/3,3/4,5/6,7/8; Guard Interval=1/4; 1/8; 1/16; 1/32
- DVB-C Modulation Mode: Constellation=16/32/64/128/256QAM; Symbol Rate<7MSymbol/s
- ATSC Modulation Mode: Constellation 8VSB, TCM FEC=2/3; Symbol Rate<10.762MSymbol/s
- RF Output: 48-860MHz agile with step of 100kHz
- Web or SNMP based network management
- Compact modular design in 4RU Chassis
- Redundant Power Supply: AC 100V-260V, 50-60Hz
- DVB-S/S2/T/C demodulation with CI, MPEG2/4 Encoder, Remux, Scrambler, ASI/IP modules in option



### **DVB-T Modulator Module**

#### ***Model : Tenor-T***

- ◆ DVB-S2/S/C/T input optional
- ◆ ASI Input, BNC 75 Ohms female
- ◆ Maximum Bit Rate: <31.6 Mbps
- ◆ Packet length: 188 or 204 bytes
- ◆ RF output frequency: 48MHz to 860MHz
- ◆ RF level: -10 to 0dBm
- ◆ Constellation: QPSK, 16QAM, 64QAM
- ◆ FFT: 2k or 8k
- ◆ Guard Interval: 1/4, 1/8, 1/16, 1/32,
- ◆ FEC: 1/2, 2/3, 3/4, 5/6, 7/8
- ◆ Output connector: F type female, 75Ω
- ◆ Return loss: >12dB

### **DVB-C Modulator Module**

#### ***Model : Tenor-C***

- ◆ DVB-S2/S/C/T input optional
- ◆ ASI input, BNC 75 Ohms female
- ◆ Symbol Rates: 2 to 7MS/s
- ◆ Packet length: 188 or 204byte
- ◆ RF output frequency: 48 to 860 MHz
- ◆ RF level: 97 to 110dBuV
- ◆ Constellation: 16/32/64/128/256QAM
- ◆ MER: >35dB
- ◆ Spurious: >55dBc
- ◆ I/Q Amplitude Error < 0.3%
- ◆ I/Q Phase Error < 0.3°
- ◆ Phase jitter < 0.5°RMS
- ◆ Output connector: F type female, 75Ω
- ◆ Return loss: >12dB
- ◆ Mbaud

### **ATSC Modulator Module**

#### ***Model : Solo-GAT***

- ◆ ASI Input, BNC 75 Ohms female
- ◆ Maximum Bit Rate: <19.4Mbps
- ◆ Packet length: 188 or 204 bytes
- ◆ RF output frequency: 48MHz to 862MHz
- ◆ RF level: 82dBuV to 100dBuV
- ◆ Constellation: 8VSB
- ◆ TCM FEC: 2/3
- ◆ RS FEC: T=10 (207,187)
- ◆ Symbol Rate: 10.762 MS/s
- ◆ Output connector: F type female, 75Ω
- ◆ Return loss: >15dB

#### **Control Mode:**

- ◆ Remote control: Web, SNMP, Programmer unit
- ◆ RS232 for software update
- ◆ Hot-swappable power supply unit

#### **Physical Condition:**

- ◆ Power supply: AC 100-260V, 50-60Hz, <100W
- ◆ Operating temperature: 0-50°C
- ◆ Dimension:  
L=340mm,W=483mm,H=178mm(4RU)
- ◆ Maximum 10 modules with 2 power supplies
- ◆ Weight: Net 7 kg, Gross 10 kg

